The numbers in base e^{π}

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Summary

A large-scale experiment was conducted to find formulas for the base e^{π} and $e^{2\pi}$. The numbers in these bases are

$$x = \sum_{n=0}^{\infty} \frac{a(n)}{e^{\pi n}} \; ou \; x = \sum_{n=0}^{\infty} \frac{a(n)}{e^{2\pi n}}$$

These experiments were inspired by several facts. Indeed, it is known that the formula generating the partitions of an integer,

$$\prod_{k\geq 1}^{\infty} \frac{1}{1-x^k} = \sum_{n=0}^{\infty} p(n)\, x^n$$

is equal to

$$\frac{2^{3/8}\, \Gamma(3/4)}{\pi^{1/4}\, e^{\pi/24}}$$

when evaluated at the point $x = e^{-\pi}$. By analyzing the 362400 sequences of the OEIS. The model that was used is that the infinite sum evaluated at $e^{k\pi}$ where k = 1, 2, 4 is an expression that can be detected with a program like lindep of Pari-Gp or PSLQ (Maple version).

To be detected, the relationship with integers, it is necessary to take the logarithm of the sum.

$$\log\left(\sum_{n=0}^{\infty} \frac{a(n)}{e^{k\pi n}}\right) \equiv [ln(\pi)\,,\ \pi,\ \ln(2)\,,\ \ln(3), \ln\left(\Gamma\left(\frac{3}{4}\right)\right)]$$

The sign ≡ means that there is an identity with 0, in other words the logarithm of the sum is a linear combination of the list of constants. This assumption seems to be correct since more than 500 expressions have been identified. In rare exceptions one can add the logarithm of the primes after 3.

The remarkable thing about these expressions is the fact that despite the great variety of combinatorial contexts they all have the same pattern if we evaluate the sequence at these points e^{π} and $e^{2\pi}$.

Note: The extended sequences come from the 'b' files of the OEIS site, normally a sequence consists of about 3 full lines of about 80 characters of terms. In many cases it has been thought for a long time that an extension of the basic sequence was necessary. The choice was made to take the first 512 terms of each sequence (when available) and with a precision of 64 decimal places for the evaluated sums.

Index: most of the sequences are defined from 0 so I chose to take this point as a starting point.

Each page contains the number of the sequence, the formula, the first few terms of the sequence and how many terms to evaluate the series

Sequence: A000009

$$\frac{2^{7/8}}{2\,e^{-\frac{\pi}{24}}}$$

Printed: 1/2/exp(-1/24*Pi)*2^(7/8)
Value: 1.0452502143547119425 4759
Number of terms: 512
Offset: 0

Sequence: 1, 1, 1, 2, 2, 3, 4, 5, 6, 8, 10, 12, 15, 18, 22, 27, 32, 38, 46, 54, 64, 76, 89, 104, 122, 142, 165, 192, 222, 256, 296, 340, 390, 448, 512, 585, 668, 760, 864, 982, 1113, 1260, 1426, 1610, 1816, 2048, 2304, 2590, 2910, 3264, 3658, 4097, 4582, 5120, 5718, 6378
Name: Expansion of Product_{m >= 1} (1 + x^m); number of partitions of n into distinct parts; number of partitions of n into odd parts.

Sequence: A000041

$$\frac{2^{3/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{24}}}$$

Printed: 2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)
Value: 1.04720947004604213021980
Number of terms: 512
Offset: 0

Sequence: 1, 1, 2, 3, 5, 7, 11, 15, 22, 30, 42, 56, 77, 101, 135, 176, 231, 297, 385, 490, 627, 792, 1002, 1255, 1575, 1958, 2436, 3010, 3718, 4565, 5604, 6842, 8349, 10143, 12310, 14883, 17977, 21637, 26015, 31185, 37338, 44583, 53174, 63261, 75175, 89134, 105558, 124754, 147273, 173525
Name: a(n) is the number of partitions of n (the partition numbers).

Sequence: A000118

$$\frac{\pi}{\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: Pi/GAMMA(3/4)^4
Value: 1.39320392968567685918424
Number of terms: 512
Offset: 0

Sequence: 1, 8, 24, 32, 24, 48, 96, 64, 24, 104, 144, 96, 96, 112, 192, 192, 24,

144, 312, 160, 144, 256, 288, 192, 96, 248, 336, 320, 192, 240, 576, 256, 24, 384, 432, 384, 312, 304, 480, 448, 144, 336, 768, 352, 288, 624, 576, 384, 96, 456, 744, 576, 336, 432, 960, 576, 192
Name: Number of ways of writing n as a sum of 4 squares; also theta series of four-dimensional cubic lattice Z^4.

Sequence: A000122

$$\frac{\pi^{1/4}}{\Gamma\left(\frac{3}{4}\right)}$$

Printed: Pi^(1/4)/GAMMA(3/4)
Value: 1.08643481121330801457531
Number of terms: 512
Offset: 0

Sequence: 1, 2, 0, 0, 2, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0
Name: Expansion of Jacobi theta function theta_3(x) = Sum_{m =-oo..oo} x^(m^2) (number of integer solutions to k^2 = n).

Sequence: A000141

$$\frac{\pi^{3/2}}{\Gamma\left(\frac{3}{4}\right)^6}$$

Printed: Pi^(3/2)/GAMMA(3/4)^6
Value: 1.64445516091677103106944
Number of terms: 512
Offset: 0

Sequence: 1, 12, 60, 160, 252, 312, 544, 960, 1020, 876, 1560, 2400, 2080, 2040, 3264, 4160, 4092, 3480, 4380, 7200, 6552, 4608, 8160, 10560, 8224, 7812, 10200, 13120, 12480, 10104, 14144, 19200, 16380, 11520, 17400, 24960, 18396, 16440, 24480, 27200
Name: Number of ways of writing n as a sum of 6 squares.

Sequence: A000143

$$\frac{\pi^{2}}{\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: Pi^2/GAMMA(3/4)^8
Value: 1.94101718969161242994987
Number of terms: 512
Offset: 0

Sequence: 1, 16, 112, 448, 1136, 2016, 3136, 5504, 9328, 12112, 14112, 21312, 31808, 35168, 38528, 56448, 74864, 78624, 84784, 109760, 143136, 154112, 149184, 194688, 261184, 252016, 246176, 327040, 390784, 390240, 395136, 476672, 599152, 596736, 550368, 693504, 859952
Name: Number of ways of writing n as a sum of 8 squares.

Sequence: A000144

$$\frac{\pi^{5/2}}{\Gamma\left(\frac{3}{4}\right)^{10}}$$

Printed: Pi^(5/2)/GAMMA(3/4)^10
Value: 2.29106139238113749228605
Number of terms: 512
Offset: 0

Sequence: 1, 20, 180, 960, 3380, 8424, 16320, 28800, 52020, 88660, 129064, 175680, 262080, 386920, 489600, 600960, 840500, 1137960, 1330420, 1563840, 2050344, 2611200, 2986560, 3358080, 4194240, 5318268, 5878440, 6299520, 7862400, 9619560
Name: Number of ways of writing n as a sum of 10 squares.

Sequence: A000145

$$\frac{\pi^{3}}{\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: Pi^3/GAMMA(3/4)^12
Value: 2.70423277626580330600176
Number of terms: 512
Offset: 0

Sequence: 1, 24, 264, 1760, 7944, 25872, 64416, 133056, 253704, 472760, 825264, 1297056, 1938336, 2963664, 4437312, 6091584, 8118024, 11368368, 15653352, 19822176, 24832944, 32826112, 42517728, 51425088, 61903776, 78146664, 98021616
Name: Number of ways of writing n as a sum of 12 squares.

Sequence: A000152

$$\frac{\pi^{4}}{\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: Pi^4/GAMMA(3/4)^16
Value: 3.76754773067832495079583
Number of terms: 512

Offset: 0

Sequence: 1, 32, 480, 4480, 29152, 140736, 525952, 1580800, 3994080, 8945824, 18626112, 36714624, 67978880, 118156480, 197120256, 321692928, 509145568, 772845120, 1143441760, 1681379200, 2428524096, 3392205824, 4658843520, 6411152640
Name: Number of ways of writing n as a sum of 16 squares.

Sequence: A000156

$$\frac{\pi^6}{\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: Pi^6/GAMMA(3/4)^24
Value: 7.31287490823025420018886
Number of terms: 512
Offset: 0

Sequence: 1, 48, 1104, 16192, 170064, 1362336, 8662720, 44981376, 195082320, 721175536, 2319457632, 6631997376, 17231109824, 41469483552, 93703589760, 200343312768, 407488018512, 793229226336, 1487286966928, 2697825744960, 4744779429216
Name: Number of ways of writing n as a sum of 24 squares.

Sequence: A000594

$$\frac{\pi^6}{512\,\Gamma\left(\frac{3}{4}\right)^{24} e^{-\pi}}$$

Printed: 1/512*Pi^6/GAMMA(3/4)^24/exp(-Pi)
Value: .330517559596328547438584
Number of terms: 512
Offset: 1

Sequence: 1, -24, 252, -1472, 4830, -6048, -16744, 84480, -113643, -115920, 534612, -370944, -577738, 401856, 1217160, 987136, -6905934, 2727432, 10661420, -7109760, -4219488, -12830688, 18643272, 21288960, -25499225, 13865712, -73279080, 24647168
Name: Ramanujan's tau function (or Ramanujan numbers, or tau numbers).

Sequence: A000700

$$\frac{2^{1/4}}{e^{\frac{\pi}{24}}}$$

Printed: 1/exp(1/24*Pi)*2^(1/4)
Value: 1.0432982626446870125278 8
Number of terms: 512

Offset: 0

Sequence: 1, 1, 0, 1, 1, 1, 1, 1, 2, 2, 2, 2, 3, 3, 3, 4, 5, 5, 5, 6, 7, 8, 8, 9, 11, 12, 12, 14, 16, 17, 18, 20, 23, 25, 26, 29, 33, 35, 37, 41, 46, 49, 52, 57, 63, 68, 72, 78, 87, 93, 98, 107, 117, 125, 133, 144, 157, 168, 178, 192, 209, 223, 236, 255, 276, 294, 312, 335, 361, 385
Name: Expansion of Product_{k>=0} (1 + x^(2k+1)); number of partitions of n into distinct odd parts; number of self-conjugate partitions; number of symmetric Ferrers graphs with n nodes.

Sequence: A000712

$$\frac{2^{3/4}\,\Gamma\left(\frac{3}{4}\right)^2}{\sqrt{\pi}\;e^{\frac{\pi}{12}}}$$

Printed: 2^(3/4)/Pi^(1/2)*GAMMA(3/4)^2/exp(1/12*Pi)
Value: 1.0966476741541124095724 2
Number of terms: 512
Offset: 0

Sequence: 1, 2, 5, 10, 20, 36, 65, 110, 185, 300, 481, 752, 1165, 1770, 2665, 3956, 5822, 8470, 12230, 17490, 24842, 35002, 49010, 68150, 94235, 129512, 177087, 240840, 326015, 439190, 589128, 786814, 1046705, 1386930, 1831065, 2408658, 3157789, 4126070, 5374390
Name: Generating function = Product_{m>=1} 1/(1 - x^m)^2; a(n) = number of partitions of n into parts of 2 kinds.

Sequence: A000716

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^3\,2^{1/8}}{\pi^{3/4}\,e^{\frac{\pi}{8}}}$$

Printed: 2/Pi^(3/4)*GAMMA(3/4)^3/exp(1/8*Pi)*2^(1/8)
Value: 1.1484198296781527497674 0
Number of terms: 512
Offset: 0

Sequence: 1, 3, 9, 22, 51, 108, 221, 429, 810, 1479, 2640, 4599, 7868, 13209, 21843, 35581, 57222, 90882, 142769, 221910, 341649, 521196, 788460, 1183221, 1762462, 2606604, 3829437, 5590110, 8111346, 11701998, 16790136, 23964594, 34034391, 48104069, 67679109, 94800537, 132230021, 183686994, 254170332
Name: Number of partitions of n into parts of 3 kinds.

Sequence: A000727

$$\frac{\sqrt{2}\,\pi}{4\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{6}}}$$

Printed: 1/4*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/6*Pi)
Value: .831506706267247449665960
Number of terms: 512
Offset: 0

Sequence: 1, -4, 2, 8, -5, -4, -10, 8, 9, 0, 14, -16, -10, -4, 0, -8, 14, 20, 2, 0, -11, 20, -32, -16, 0, -4, 14, 8, -9, 20, 26, 0, 2, -28, 0, -16, 16, -28, -22, 0, 14, 16, 0, 40, 0, -28, 26, 32, -17, 0, -32, -16, -22, 0, -10, 32, -34, -8, 14, 0, 45, -4, 38, 8, 0, 0, -34, -8, 38, 0, -22, -56, 2, -28, 0, 0, -10, 20, 64, -40, -20, 44
Name: Expansion of Product_{k >= 1} (1 - x^k)^4.

Sequence: A000728

$$\frac{2^{1/8}\,\pi^{5/4}}{4\,\Gamma\left(\frac{3}{4}\right)^5 e^{-\frac{5\pi}{24}}}$$

Printed: 1/4*2^(1/8)*Pi^(5/4)/GAMMA(3/4)^5/exp(-5/24*Pi)
Value: .794021377815356285873998
Number of terms: 512
Offset: 0

Sequence: 1, -5, 5, 10, -15, -6, -5, 25, 15, -20, 9, -45, -5, 25, 20, 10, 15, 20, -50, -35, -30, 55, -50, 15, 80, 1, 50, -35, -45, -15, 5, -50, -25, -55, 85, 51, 50, 10, -40, 65, 10, -10, -115, 50, -115, -100, 85, 80, -30, 5, 20, 45, 70, 65, 45, -55, -100
Name: Expansion of Product_{n>=1} (1-x^n)^5.

Sequence: A000729

$$\frac{\pi^{3/2}\,2^{3/4}}{8\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\frac{\pi}{4}}}$$

Printed: 1/8*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/4*Pi)*2^(3/4)
Value: .758225933327785842803441
Number of terms: 512
Offset: 0

Sequence: 1, -6, 9, 10, -30, 0, 11, 42, 0, -70, 18, -54, 49, 90, 0, -22, -60, 0, -110, 0, 81, 180, -78, 0, 130, -198, 0, -182, -30, 90, 121, 84, 0, 0, 210, 0, -252, -102, -270, 170, 0, 0, -69, 330, 0, -38, 420, 0, -190, -390, 0, -108, 0, 0, 0, -300, 99, 442, 210, 0, 418, -294, 0, 0, -510, 378, -540, 138, 0
Name: Expansion of Product_{k >= 1} (1 - x^k)^6.

Sequence: A000731

$$\frac{\pi^2}{8\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{3}}}$$

Printed: 1/8*Pi^2/GAMMA(3/4)^8/exp(-1/3*Pi)
Value: .691403402567406529188702
Number of terms: 512
Offset: 0

Sequence: 1, -8, 20, 0, -70, 64, 56, 0, -125, -160, 308, 0, 110, 0, -520, 0, 57, 560, 0, 0, 182, -512, -880, 0, 1190, -448, 884, 0, 0, 0, -1400, 0, -1330, 1000, 1820, 0, -646, 1280, 0, 0, -1331, -2464, 380, 0, 1120, 0, 2576, 0, 0, -880, 1748, 0, -3850, 0, -3400, 0, 2703, 4160, -2500, 0, 3458
Name: Expansion of Product (1 - x^k)^8 in powers of x.

Sequence: A000735

$$\frac{\pi^3\sqrt{2}}{32\,\Gamma\left(\frac{3}{4}\right)^{12} e^{-\frac{\pi}{2}}}$$

Printed: 1/32*Pi^3/GAMMA(3/4)^12/exp(-1/2*Pi)*2^(1/2)
Value: .574906565970791942075100
Number of terms: 512
Offset: 0

Sequence: 1, -12, 54, -88, -99, 540, -418, -648, 594, 836, 1056, -4104, -209, 4104, -594, 4256, -6480, -4752, -298, 5016, 17226, -12100, -5346, -1296, -9063, -7128, 19494, 29160, -10032, -7668, -34738, 8712, -22572, 21812, 49248, -46872, 67562, 2508, -47520, -76912, -25191, 67716
Name: Expansion of Product_{k>=1} (1 - x^k)^12.

Sequence: A000739

$$\frac{\pi^4}{64\,\Gamma\left(\frac{3}{4}\right)^{16} e^{-\frac{2\pi}{3}}}$$

Printed: 1/64*Pi^4/GAMMA(3/4)^16/exp(-2/3*Pi)
Value: .478038665081787213518112
Number of terms: 512
Offset: 0

Sequence: 1, -16, 104, -320, 260, 1248, -3712, 1664, 6890, -7280, -5568, -4160, 33176, 4640, -74240, 29824, 14035, 54288, 27040, -142720, 1508, -110240, 289536, 222720, -380770, -83200, -123904, 142912, 7640, 408000, 386048
Name: Expansion of Product_{k>=1} (1 - x^k)^16.

Sequence: A001934

$$\frac{\sqrt{2}\ \Gamma\left(\frac{3}{4}\right)^2}{\sqrt{\pi}}$$

Printed: 1/Pi^(1/2)*2^(1/2)*GAMMA(3/4)^2
Value: 1.19814023473559220743993
Number of terms: 512
Offset: 0

Sequence: 1, 4, 12, 32, 76, 168, 352, 704, 1356, 2532, 4600, 8160, 14176, 24168, 40512, 66880, 108876, 174984, 277932, 436640, 679032, 1046016, 1597088, 2418240, 3632992, 5417708, 8022840, 11802176, 17252928, 25070568, 36223424, 52053760, 74414412
Name: Expansion of 1/theta_4(q)^2 in powers of q.

Sequence: A001935

$$\frac{\sqrt{2}}{2\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2/exp(-1/8*Pi)*2^(1/2)
Value: 1.04720581805536571812516
Number of terms: 512
Offset: 0

Sequence: 1, 1, 2, 3, 4, 6, 9, 12, 16, 22, 29, 38, 50, 64, 82, 105, 132, 166, 208, 258, 320, 395, 484, 592, 722, 876, 1060, 1280, 1539, 1846, 2210, 2636, 3138, 3728, 4416, 5222, 6163, 7256, 8528, 10006, 11716, 13696, 15986, 18624, 21666, 25169, 29190, 33808, 39104, 45164
Name: Number of partitions with no even part repeated; partitions of n in which no parts are multiples of 4.

Sequence: A001936

$$\frac{1}{2\,e^{-\frac{\pi}{4}}}$$

Printed: 1/2/exp(-1/4*Pi)
Value: 1.09664002536900772827988
Number of terms: 512
Offset: 0

Sequence: 1, 2, 5, 10, 18, 32, 55, 90, 144, 226, 346, 522, 777, 1138, 1648, 2362, 3348, 4704, 6554, 9056, 12425, 16932, 22922, 30848, 41282, 54946, 72768, 95914, 125842, 164402, 213901, 277204, 357904, 460448, 590330, 754368, 960948, 1220370, 1545306

Name: Expansion of q^(-1/4) * (eta(q^4) / eta(q))^2 in powers of q.

Sequence: A001937

$$\frac{\sqrt{2}}{4\, e^{-\frac{3\pi}{8}}}$$

Printed: 1/4/exp(-3/8*Pi)*2^(1/2)
Value: 1.14840781487880875247100
Number of terms: 512
Offset: 0

Sequence: 1, 3, 9, 22, 48, 99, 194, 363, 657, 1155, 1977, 3312, 5443, 8787, 13968, 21894, 33873, 51795, 78345, 117312, 174033, 255945, 373353, 540486, 776848, 1109040, 1573209, 2218198, 3109713, 4335840, 6014123, 8300811, 11402928, 15593702, 21232521, 28790667, 38884082
Name: Expansion of (psi(x^2) / psi(-x))^3 in powers of x where psi() is a Ramanujan theta function.

Sequence: A001938

$$\frac{\sqrt{2}}{8\, e^{-\frac{\pi}{2}}}$$

Printed: 1/8/exp(-1/2*Pi)*2^(1/2)
Value: .850380294206275782059975
Number of terms: 512
Offset: 0

Sequence: 1, -4, 14, -40, 101, -236, 518, -1080, 2162, -4180, 7840, -14328, 25591, -44776, 76918, -129952, 216240, -354864, 574958, -920600, 1457946, -2285452, 3548550, -5460592, 8332425, -12614088, 18953310, -28276968, 41904208, -61702876, 90304598, -131399624
Name: Expansion of k/(4*q^(1/2)) in powers of q, where k defined by sqrt(k) = theta_2(0, q)/theta_3(0, q).

Sequence: A001939

$$\frac{\sqrt{2}}{8\, e^{-\frac{5\pi}{8}}}$$

Printed: 1/8/exp(-5/8*Pi)*2^(1/2)
Value: 1.25938997524266356118731
Number of terms: 512
Offset: 0

Sequence: 1, 5, 20, 65, 185, 481, 1165, 2665, 5820, 12220, 24802, 48880, 93865, 176125, 323685, 583798, 1035060, 1806600, 3108085, 5276305,

8846884, 14663645, 24044285, 39029560, 62755345, 100004806, 158022900, 247710570, 385366265, 595212280, 913040649, 1391449780
Name: Expansion of (psi(-x) / phi(-x))^5 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A001940

$$\frac{1}{8\, e^{-\frac{3\pi}{4}}}$$

Printed: 1/8/exp(-3/4*Pi)
Value: 1.31884050927472027347088
Number of terms: 512
Offset: 0

Sequence: 1, 6, 27, 98, 309, 882, 2330, 5784, 13644, 30826, 67107, 141444, 289746, 578646, 1129527, 2159774, 4052721, 7474806, 13569463, 24274716, 42838245, 74644794, 128533884, 218881098, 368859591, 615513678, 1017596115, 1667593666, 2710062756, 4369417452
Name: Absolute value of coefficients of an elliptic function.

Sequence: A001941

$$\frac{\sqrt{2}}{16\, e^{-\frac{7\pi}{8}}}$$

Printed: 1/16/exp(-7/8*Pi)*2^(1/2)
Value: 1.38109745439958858258980
Number of terms: 512
Offset: 0

Sequence: 1, 7, 35, 140, 483, 1498, 4277, 11425, 28889, 69734, 161735, 362271, 786877, 1662927, 3428770, 6913760, 13660346, 26492361, 50504755, 94766875, 175221109, 319564227, 575387295, 1023624280, 1800577849, 3133695747, 5399228149, 9214458260, 15584195428
Name: Absolute values of coefficients of an elliptic function.

Sequence: A002107

$$\frac{\sqrt{\pi}\ 2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^2\, e^{-\frac{\pi}{12}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/12*Pi)*2^(1/4)
Value: .91186989547152364013707 0
Number of terms: 512
Offset: 0

Sequence: 1, -2, -1, 2, 1, 2, -2, 0, -2, -2, 1, 0, 0, 2, 3, -2, 2, 0, 0, -2, -2, 0, 0, -

2, -1, 0, 2, 2, -2, 2, 1, 2, 0, 2, -2, -2, 2, 0, -2, 0, -4, 0, 0, 0, 1, -2, 0, 0, 2, 0, 2, 2, 1, -2, 0, 2, 2, 0, 0, -2, 0, -2, 0, -2, 2, 0, -4, 0, 0, -2, -1, 2, 0, 2, 0, 0, 0, -2
Name: Expansion of Product_{k>=1} (1 - x^k)^2.

Sequence: A002171

$$\frac{2^{1/4}\,\pi}{4\,\Gamma\left(\frac{3}{4}\right)^4\,e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/4)*Pi/GAMMA(3/4)^4/exp(-1/4*Pi)
Value: .908460997739966816433182
Number of terms: 512
Offset: 0

Sequence: 1, -2, -3, 6, 2, 0, -1, -10, 0, -2, 10, 6, -7, 14, 0, -10, -12, 0, -6, 0, 9, -4, 10, 0, 18, -2, 0, 6, -14, -18, -11, 12, 0, 0, -22, 0, 20, 14, -6, 22, 0, 0, 23, -26, 0, -18, 4, 0, -14, -2, 0, -20, 0, 0, 0, 12, 3, 30, 26, 0, -30, 14, 0, 0, 2, 30, -28, -26, 0, -18, 10, 0, -13, -34, 0, 0, 20, 0, 26, 22, 0, -6, 0, 6, 18, 0
Name: Glaisher's chi numbers. a(n) = chi(4*n + 1).

Sequence: A002288

$$\frac{\pi^4}{128\,\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: 1/128*Pi^4/GAMMA(3/4)^16
Value: .2943396664592441367809 24e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, -8, 12, 64, -210, -96, 1016, -512, -2043, 1680, 1092, 768, 1382, -8128, -2520, 4096, 14706, 16344, -39940, -13440, 12192, -8736, 68712, -6144, -34025, -11056, -50760, 65024, -102570, 20160, 227552, -32768, 13104, -117648, -213360, -130752, 160526, 319520
Name: G.f.: q * Product_{m>=1} (1-q^m)^8*(1-q^2m)^8.

Sequence: A002408

$$\frac{\pi^2}{64\,\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: 1/64*Pi^2/GAMMA(3/4)^8
Value: .3032839358893144421796 67e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, -8, 28, -64, 126, -224, 344, -512, 757, -1008, 1332, -1792, 2198,

-2752, 3528, -4096, 4914, -6056, 6860, -8064, 9632, -10656, 12168, -14336, 15751, -17584, 20440, -22016, 24390, -28224, 29792, -32768, 37296, -39312, 43344, -48448, 50654, -54880, 61544, -64512, 68922
Name: Expansion of 8-dimensional cusp form.

Sequence: A002448

$$\frac{\pi^{1/4}\, 2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)}$$

Printed: 1/2*Pi^(1/4)*2^(3/4)/GAMMA(3/4)
Value: .913579138156116821407235
Number of terms: 512
Offset: 0

Sequence: 1, -2, 0, 0, 2, 0, 0, 0, 0, -2, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0
Name: Expansion of Jacobi theta function theta_4(x).

Sequence: A002470

$$\frac{\pi^{7/2}}{64\,\Gamma\left(\frac{3}{4}\right)^{14}}$$

Printed: 1/64*Pi^(7/2)/GAMMA(3/4)^14
Value: .498736833596334249916923e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, 4, -8, -48, 10, 224, 80, -448, -231, 40, -248, 1408, 1466, -2240, -80, 1280, -4766, -924, 1944, -480, 9600, 6944, -2704, -8704, -15525, 5864, -3984, -14080, 25498, 2240, 10816, 33792, -29760, -19064, 800, 11088, 1994, -54432, -11728, -4480
Name: Glaisher's function W(n).

Sequence: A002512

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^{4}\sqrt{2}}{\pi\, e^{\frac{5\pi}{12}}}$$

Printed: 4/Pi*GAMMA(3/4)^4/exp(5/12*Pi)*2^(1/2)
Value: 1.09665532299256542051205
Number of terms: 512
Offset: 0

Sequence: 1, 2, 5, 10, 22, 40, 75, 130, 230, 382, 636, 1022, 1645, 2570, 4002, 6110, 9297, 13910, 20715, 30462, 44597, 64584, 93085, 132990, 189164, 266992, 375192, 523800, 728285, 1006684, 1386043, 1898586, 2591120, 3519840, 4764736, 6423032
Name: Expansion of chi(x)^10 / phi(x)^4 in powers of x where phi(), chi() are Ramanujan theta functions.

Sequence: A002513

$$\frac{2^{7/8}\,\Gamma\left(\frac{3}{4}\right)^2}{\sqrt{\pi}\;e^{\frac{\pi}{8}}}$$

Printed: 2^(7/8)/Pi^(1/2)*GAMMA(3/4)^2/exp(1/8*Pi)
Value: 1.04917239823876126001522
Number of terms: 512
Offset: 0

Sequence: 1, 1, 3, 4, 9, 12, 23, 31, 54, 73, 118, 159, 246, 329, 489, 651, 940, 1242, 1751, 2298, 3177, 4142, 5630, 7293, 9776, 12584, 16659, 21320, 27922, 35532, 46092, 58342, 75039, 94503, 120615, 151173, 191611, 239060, 301086, 374026, 468342, 579408, 721638, 889287
Name: Number of \cubic partitions\ of n: expansion of Product_{k>0} 1/((1-x^(2k))^2*(1-x^(2k-1))) in powers of x.

Sequence: A002611

$$\frac{\pi^{9/2}}{2048\,\Gamma\left(\frac{3}{4}\right)^{18}\,e^{-\pi}}$$

Printed: 1/2048*Pi^(9/2)/GAMMA(3/4)^18/exp(-Pi)
Value: .502472745155403879748271e-1
Number of terms: 51
Offset: 1

Sequence: 0, 1, 4, -4, -32, -16, 56, 80, 192, 98, -740, -704, 96, -224, 2440, 3520, -2624, -351, -780, -10632, 2688, 2960, -9496, 18176, 14208, -3934, 12552, -9856, -24608, -9760, -2720, -25344, -35520, 31106, 34160, 62844, 84576, 3120, -21880, -82272, 27520, -96768, -237316, 130240, -92832, 37984, 305296, -183296, 37632, 208803
Name: Glaisher's function V(n).

Sequence: A002612

$$\frac{\pi^{9/2}}{64\,\Gamma\left(\frac{3}{4}\right)^{18}\,e^{-\pi}}$$

Printed: 1/64*Pi^(9/2)/GAMMA(3/4)^18/exp(-Pi)
Value: 1.60791278449729241519447
Number of terms: 501
Offset: 1

Sequence: 1, 12, 48, 16, -414, -960, 672, 4800, 2721, -9064, -8880, 6912, -2398, -13440, 29280, 30976, -10878, 57228, -9360, -252384, -53760, 177600, -113952, 107520, 436131, -16488, 150624, 96768, -915678, -585600, -32640, 248832, 710400, -466408
Name: Glaisher's function U(n).

Sequence: A002613

$$\frac{9\,\pi^{9/2}}{256\,\Gamma\left(\frac{3}{4}\right)^{18}\,e^{-\pi}}$$

Printed: 9/256*Pi^(9/2)/GAMMA(3/4)^18/exp(-Pi)
Value: 3.6178037651189079341875 5
Number of terms: 501
Offset: 1

Sequence: 1, 44, 432, -1136, 610, -5568, 6048, 11456, -3423, 26840, -79920, 768, -5470, -77952, 263520, 61696, 73090, -150612, -84240, -692960, -139776, 1030080, -1025568, 1410048, -18525, -240680, 1355616, 10752, -128222, -3396480, -293760
Name: Glaisher's function J(n) (18 squares version).

Sequence: A003781

$$\frac{9\,\pi^{7/4}}{16\,\Gamma\left(\frac{3}{4}\right)^{7}}$$

Printed: 9/16*Pi^(7/4)/GAMMA(3/4)^7
Value: 1.00495874941839123035821
Number of terms: 512
Offset: 0

Sequence: 1, 0, 0, 56, 126, 0, 0, 576, 756, 0, 0, 1512, 2072, 0, 0, 4032, 4158, 0, 0, 5544, 7560, 0, 0, 12096, 11592, 0, 0, 13664, 16704, 0, 0, 24192, 24948, 0, 0, 27216, 31878, 0, 0, 44352, 39816, 0, 0, 41832, 55944, 0, 0, 72576, 66584, 0, 0, 67536, 76104, 0, 0, 100800
Name: Expansion of theta series of {E_7}* lattice in powers of q^(1/2).

Sequence: A003785

$$\frac{9\,\pi^{23/4}}{524288\,\Gamma\left(\frac{3}{4}\right)^{23}\,e^{-3\pi}}$$

Printed: 9/524288*Pi^(23/4)/GAMMA(3/4)^23/exp(-3*Pi)
Value: 1.43181241977478320745155
Number of terms: 53
Offset: 3

Sequence: 1, 10, 0, 0, -88, -132, 0, 0, 1275, 736, 0, 0, -8040, -2880, 0, 0, 24035, 13080, 0, 0, -14136, -54120, 0, 0, -128844, 115456, 0, 0, 389520, 38016, 0, 0, -256410, -697950, 0, 0, -806520, 963160, 0, 0, 1892363, 938400, 0, 0, -1227600, -2309120, 0, 0, -813450, -2813096, 0, 0
Name: Coefficients of Jacobi cusp form of index 1 and weight 12.

Sequence: A004008

$$\frac{9\,\pi^{7/4}}{2\,\Gamma\left(\frac{3}{4}\right)^7}$$

Printed: 9/2*Pi^(7/4)/GAMMA(3/4)^7
Value: 8.03966999534712984286566
Number of terms: 512
Offset: 0

Sequence: 1, 126, 756, 2072, 4158, 7560, 11592, 16704, 24948, 31878, 39816, 55944, 66584, 76104, 99792, 116928, 133182, 160272, 177660, 205128, 249480, 265104, 281736, 350784, 382536, 390726, 470232, 505568, 532800, 615384, 640080, 701568, 799092, 809424, 853776
Name: Expansion of theta series of E_7 lattice in powers of q^2.

Sequence: A004011

$$\frac{3\,\pi}{2\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 3/2*Pi/GAMMA(3/4)^4
Value: 2.08980589452851528877636
Number of terms: 512
Offset: 0

Sequence: 1, 24, 24, 96, 24, 144, 96, 192, 24, 312, 144, 288, 96, 336, 192, 576, 24, 432, 312, 480, 144, 768, 288, 576, 96, 744, 336, 960, 192, 720, 576, 768, 24, 1152, 432, 1152, 312, 912, 480, 1344, 144, 1008, 768, 1056, 288, 1872, 576, 1152, 96, 1368, 744, 1728, 336
Name: Theta series of D_4 lattice; Fourier coefficients of Eisenstein series E_{gamma,2}.

Sequence: A004018

$$\frac{\sqrt{\pi}}{\Gamma\left(\frac{3}{4}\right)^2}$$

Printed: Pi^(1/2)/GAMMA(3/4)^2
Value: 1.18034059901609622604533
Number of terms: 512
Offset: 0

Sequence: 1, 4, 4, 0, 4, 8, 0, 0, 4, 4, 8, 0, 0, 8, 0, 0, 4, 8, 4, 0, 8, 0, 0, 0, 0, 12, 8, 0, 0, 8, 0, 0, 4, 0, 8, 0, 4, 8, 0, 0, 8, 8, 0, 0, 0, 8, 0, 0, 0, 4, 12, 0, 8, 8, 0, 0, 0, 0, 8, 0, 0, 8, 0, 0, 4, 16, 0, 0, 8, 0, 0, 0, 4, 8, 8, 0, 0, 0, 0, 0, 8, 4, 8, 0, 0, 16, 0, 0, 0, 8, 8, 0, 0, 0, 0, 0, 0, 8, 4, 0, 12, 8
Name: Theta series of square lattice (or number of ways of writing n as a sum of 2 squares). Often denoted by r(n) or r_2(n).

Sequence: A004020

$$\frac{\sqrt{\pi}\ 2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{4}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/4*Pi)*2^(3/4)
Value: 2.17692734616058828658820
Number of terms: 512
Offset: 0

Sequence: 2, 4, 2, 4, 4, 0, 6, 4, 0, 4, 4, 4, 2, 4, 0, 4, 8, 0, 4, 0, 2, 8, 4, 0, 4, 4, 0, 4, 4, 4, 2, 8, 0, 0, 4, 0, 8, 4, 4, 4, 0, 0, 6, 4, 0, 4, 8, 0, 4, 4, 0, 8, 0, 0, 0, 8, 6, 4, 4, 0, 4, 4, 0, 0, 4, 4, 8, 4, 0, 4, 4, 0, 6, 4, 0, 0, 8, 0, 4, 4, 0, 12, 0, 4, 4, 0, 0, 4, 4, 0, 2, 8, 4, 4, 8, 0, 0, 4, 0, 4, 4, 4, 4, 0
Name: Theta series of square lattice with respect to edge.

Sequence: A004024

$$\frac{2^{7/8}\,\pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{5\pi}{8}}}$$

Printed: 1/4*2^(7/8)*Pi^(3/4)/GAMMA(3/4)^3/exp(-5/8*Pi)
Value: 4.18877944863900408515960
Number of terms: 512
Offset: 0

Sequence: 4, 4, 8, 12, 4, 12, 12, 12, 16, 16, 8, 8, 28, 12, 20, 24, 8, 16, 28, 12, 16, 28, 20, 32, 20, 16, 16, 32, 20, 24, 28, 8, 36, 44, 12, 32, 36, 16, 24, 20, 28, 20, 56, 28, 16, 40, 20, 40, 44, 12, 36, 40, 20, 32, 40, 16, 24, 60, 32, 36, 40, 24, 32, 60, 24, 40, 24, 20, 60, 36, 24, 32, 56, 32
Name: Theta series of b.c.c. lattice with respect to deep hole.

Sequence: A004402

$$\frac{\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}}$$

Printed: 1/Pi^(1/4)*GAMMA(3/4)
Value: .92044178783559098393491 8
Number of terms: 512
Offset: 0

Sequence: 1, -2, 4, -8, 14, -24, 40, -64, 100, -154, 232, -344, 504, -728, 1040, -1472, 2062, -2864, 3948, -5400, 7336, -9904, 13288, -17728, 23528, -31066, 40824, -53408, 69568, -90248, 116624, -150144, 192612, -246256, 313808
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-1).

Sequence: A004403

$$\frac{\Gamma\left(\frac{3}{4}\right)^2}{\sqrt{\pi}}$$

Printed: 1/Pi^(1/2)*GAMMA(3/4)^2
Value: .847213084793979086606503
Number of terms: 512
Offset: 0

Sequence: 1, -4, 12, -32, 76, -168, 352, -704, 1356, -2532, 4600, -8160, 14176, -24168, 40512, -66880, 108876, -174984, 277932, -436640, 679032, -1046016, 1597088, -2418240, 3632992, -5417708, 8022840, -11802176, 17252928, -25070568, 36223424, -52053760, 74414412
Name: Expansion of 1/theta_3(q)^2 in powers of q.

Sequence: A004404

$$\frac{\Gamma\left(\frac{3}{4}\right)^3}{\pi^{3/4}}$$

Printed: 1/Pi^(3/4)*GAMMA(3/4)^3
Value: .779810326445476252442255
Number of terms: 512
Offset: 0

Sequence: 1, -6, 24, -80, 234, -624, 1552, -3648, 8184, -17654, 36816, -74544, 147056, -283440, 535008, -990912, 1803882, -3232224, 5707624, -9943536, 17106960, -29088352, 48922320, -81438528, 134261584, -219336630, 355242288
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-3).

Sequence: A004405

$$\frac{\Gamma\left(\frac{3}{4}\right)^4}{\pi}$$

Printed: 1/Pi*GAMMA(3/4)^4
Value: .717770011046129997821197
Number of terms: 512
Offset: 0

Sequence: 1, -8, 40, -160, 552, -1712, 4896, -13120, 33320, -80872, 188784, -425952, 932640, -1988080, 4137024, -8422848, 16810536, -32943760, 63482760, -120440608, 225217904, -415498496, 756920160, -1362645440, 2425895712
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-4).

Sequence: A004406

$$\frac{\Gamma\left(\frac{3}{4}\right)^5}{\pi^{5/4}}$$

Printed: 1/Pi^(5/4)*GAMMA(3/4)^5
Value: .660665512222071784397863
Number of terms: 512
Offset: 0

Sequence: 1, -10, 60, -280, 1110, -3912, 12600, -37760, 106620, -286290, 736184, -1822920, 4365800, -10149320, 22971120, -50744448, 109643350, -232145040, 482403060, -985229640, 1980034104, -3920000400, 7652388280, -14742829440
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-5).

Sequence: A004407

$$\frac{\Gamma\left(\frac{3}{4}\right)^6}{\pi^{3/2}}$$

Printed: 1/Pi^(3/2)*GAMMA(3/4)^6
Value: .608104145231000239482951
Number of terms: 512
Offset: 0

Sequence: 1, -12, 84, -448, 2004, -7896, 28224, -93312, 289236, -848972, 2377704, -6391872, 16571968, -41599320, 101430144, -240877440, 558440916, -1266406680, 2814053908, -6136337088, 13148606184, -27717527552
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-6).

Sequence: A004408

$$\frac{\Gamma\left(\frac{3}{4}\right)^7}{\pi^{7/4}}$$

Printed: 1/Pi^(7/4)*GAMMA(3/4)^7
Value: .559724466626655729275595
Number of terms: 512
Offset: 0

Sequence: 1, -14, 112, -672, 3346, -14560, 57120, -206208, 694960, -2209774, 6683040, -19345760, 53874912, -144936288, 377965760, -958231680, 2367566866, -5713057728, 13488657168, -31210552800, 70873262880, -158145658560
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-7).

Sequence: A004409

$$\frac{\Gamma\left(\frac{3}{4}\right)^8}{\pi^2}$$

Printed: 1/Pi^2*GAMMA(3/4)^8
Value: .515193788757161579089232
Number of terms: 512
Offset: 0

Sequence: 1, -16, 144, -960, 5264, -25056, 106944, -418176, 1520784, -5201232, 16871648, -52252992, 155341248, -445226848, 1234726272, -3323392128, 8704504976, -22234655520, 55498917840, -135595345600, 324759439584
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-8).

Sequence: A004410

$$\frac{\Gamma\left(\frac{3}{4}\right)^9}{\pi^{9/4}}$$

Printed: 1/Pi^(9/4)*GAMMA(3/4)^9
Value: .474205892005433597769388
Number of terms: 512
Offset: 0

Sequence: 1, -18, 180, -1320, 7902, -40824, 188232, -792000, 3088980, -11297546, 39090312, -128849976, 406865880, -1236379320, 3629385936, -10324840512, 28542038238, -76852151280, 201967043260, -518957929080, 1305848905416
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-9).

Sequence: A004411

$$\frac{\Gamma\left(\frac{3}{4}\right)^{10}}{\pi^{5/2}}$$

Printed: 1/Pi^(5/2)*GAMMA(3/4)^10
Value: .436478919039652482329247
Number of terms: 512
Offset: 0

Sequence: 1, -20, 220, -1760, 11420, -63624, 315040, -1418560, 5903260, -22976820, 84413912, -294841120, 984745120, -3159938760, 9780562880, -29296914112, 85169213340, -240882506920, 664216884540, -1788966694240, 4714033526616, -12170584419840, 30826269009760
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-10).

Sequence: A004412

$$\frac{\Gamma\left(\frac{3}{4}\right)^{11}}{\pi^{11/4}}$$

Printed: 1/Pi^(11/4)*GAMMA(3/4)^11
Value: .401753436593403904121315
Number of terms: 512
Offset: 0

Sequence: 1, -22, 264, -2288, 15994, -95568, 505648, -2425280, 10721832, -44229350, 171861360, -633713808, 2230733648, -7532979344, 24502989984, -77036477760, 234785552122, -695409096096, 2006117554936, -5647472566736
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-11).

Sequence: A004413

$$\frac{\Gamma\left(\frac{3}{4}\right)^{12}}{\pi^{3}}$$

Printed: 1/Pi^3*GAMMA(3/4)^12
Value: .369790651447125431304517
Number of terms: 512
Offset: 0

Sequence: 1, -24, 312, -2912, 21816, -139152, 783328, -3986112, 18650424, -81251896, 332798544, -1291339296, 4776117216, -16922753616, 57683178432, -189821722688, 604884735288, -1871370360240, 5633654421720

Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-12).

Sequence: A004414

$$\frac{\Gamma\left(\frac{3}{4}\right)^{13}}{\pi^{13/4}}$$

Printed: 1/Pi^(13/4)*GAMMA(3/4)^13
Value: .34037076834288000229571 3
Number of terms: 512
Offset: 0

Sequence: 1, -26, 364, -3640, 29094, -197288, 1177176, -6333184, 31258604, -143374530, 617193304, -2513060264, 9739727816, -36115518376, 128680223152, -442158402816, 1469734751654, -4738671343952, 14853923411652
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-13).

Sequence: A004415

$$\frac{\Gamma\left(\frac{3}{4}\right)^{14}}{\pi^{7/2}}$$

Printed: 1/Pi^(7/2)*GAMMA(3/4)^14
Value: .313291478540494243261938
Number of terms: 512
Offset: 0

Sequence: 1, -28, 420, -4480, 38052, -273336, 1723008, -9770240, 50722980, -244273820, 1102294984, -4698110592, 19034512000, -73696070840, 273868321536, -980502270720, 3392689809572, -11376760267320, 37060195850020
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-14).

Sequence: A004416

$$\frac{\Gamma\left(\frac{3}{4}\right)^{15}}{\pi^{15/4}}$$

Printed: 1/Pi^(15/4)*GAMMA(3/4)^15
Value: .288366568621468207943311
Number of terms: 512
Offset: 0

Sequence: 1, -30, 480, -5440, 48930, -371136, 2464320, -14688000, 80001120, -403533790, 1904433984, -8477603520, 35829727680, -144548556480, 559157308800, -2081866609920, 7484792950050, -26057409056640,

88057506412320
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-15).

Sequence: A004417

$$\frac{\Gamma\left(\frac{3}{4}\right)^{16}}{\pi^4}$$

Printed: 1/Pi^4*GAMMA(3/4)^16
Value: .265424639973958828691378
Number of terms: 512
Offset: 0

Sequence: 1, -32, 544, -6528, 61984, -495040, 3453312, -21581568, 123040288, -648624288, 3194776000, -14823993472, 65231647104, -273714726080, 1100198199040, -4252621927680, 15859616674336, -57229459033664
Name: Expansion of (Sum x^(n^2), n = -inf .. inf)^(-16).

Sequence: A004418

$$\frac{\Gamma\left(\frac{3}{4}\right)^{17}}{\pi^{17/4}}$$

Printed: 1/Pi^(17/4)*GAMMA(3/4)^17
Value: .244307930153248733821531
Number of terms: 512
Offset: 0

Sequence: 1, -34, 612, -7752, 77486, -649944, 4751976, -31070016, 185025348, -1017375098, 5220022312, -25201899288, 115265410488, -502210951832, 2094181357968, -8390590348992, 32410328691374, -121046064563376
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-17).

Sequence: A004419

$$\frac{\Gamma\left(\frac{3}{4}\right)^{18}}{\pi^{9/2}}$$

Printed: 1/Pi^(9/2)*GAMMA(3/4)^18
Value: .224871228012668952154030
Number of terms: 512
Offset: 0

Sequence: 1, -36, 684, -9120, 95724, -841320, 6433248, -43918272, 272670444, -1561033348, 8329222584, -41772509280, 198265106400, -

895619289384, 3868763174208, -16044584545344, 64103055405804, -247461482137032
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-18).

Sequence: A004420

$$\frac{\Gamma\left(\frac{3}{4}\right)^{19}}{\pi^{19/4}}$$

Printed: 1/Pi^(19/4)*GAMMA(3/4)^19
Value: .20698087514476583963 3836
Number of terms: 512
Offset: 0

Sequence: 1, -38, 760, -10640, 117002, -1075248, 8582224, -61061440, 394559320, -2348001494, 13008061200, -67666510320, 332809029680, -1556541579760, 6955832361824, -29820933412800, 123079426294922, -490508040685920
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-19).

Sequence: A004421

$$\frac{\Gamma\left(\frac{3}{4}\right)^{20}}{\pi^{5}}$$

Printed: 1/Pi^5*GAMMA(3/4)^20
Value: .19051384676602350624 7049
Number of terms: 512
Offset: 0

Sequence: 1, -40, 840, -12320, 141640, -1358448, 11297440, -83631680, 561539400, -3468363400, 19922193200, -107343635040, 546373245600, -2642351627440, 12200693947200, -54007656632000, 230002160331080, -945228781171920
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-20).

Sequence: A004422

$$\frac{\Gamma\left(\frac{3}{4}\right)^{21}}{\pi^{21/4}}$$

Printed: 1/Pi^(21/4)*GAMMA(3/4)^21
Value: .17535690572475449964 6487
Number of terms: 512
Offset: 0

Sequence: 1, -42, 924, -14168, 169974, -1698312, 14692216, -112987776,

787175004, -5039316786, 29971442424, -167060546184, 878920016296, -4390113366408, 20920981191792, -95515527307648, 419275600889334, -1775001330567696
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-21).

Sequence: A004423

$$\frac{\Gamma\left(\frac{3}{4}\right)^{22}}{\pi^{11/2}}$$

Printed: 1/Pi^(11/2)*GAMMA(3/4)^22
Value: .16140582381461021118523 0
Number of terms: 512
Offset: 0

Sequence: 1, -44, 1012, -16192, 202356, -2102936, 18896064, -150747520, 1088265332, -7211641580, 44356933544, -255472920256, 1387689358528, -7151069205016, 35134409940608, -165273439140480, 747047401948276, -3254796172584792
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-22).

Sequence: A004424

$$\frac{\Gamma\left(\frac{3}{4}\right)^{23}}{\pi^{23/4}}$$

Printed: 1/Pi^(23/4)*GAMMA(3/4)^23
Value: .14856466503899623062586 0
Number of terms: 512
Offset: 0

Sequence: 1, -46, 1104, -18400, 239154, -2581152, 24056160, -198823040, 1485433104, -10177345486, 64663512288, -384402300960, 2153523131040, -11437761254432, 57880610587200, -280265903825280, 1303272560982834, -5838468742907712
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-23).

Sequence: A004425

$$\frac{\Gamma\left(\frac{3}{4}\right)^{24}}{\pi^{6}}$$

Printed: 1/Pi^6*GAMMA(3/4)^24
Value: .13674512589768940984142 7
Number of terms: 512
Offset: 0

Sequence: 1, -48, 1200, -20800, 280752, -3142560, 30338880, -259459200, 2003790000, -14178640368, 92960115360, -569803615680, 3289122824000, -17987650183200, 93669997008000, -466466351287680, 2229627536828592, -10261752523778400
Name: Expansion of (Sum x^(n^2), n = -inf .. inf)^(-24).

Sequence: A005369

$$\frac{2^{3/4}\,\pi^{1/4}}{4\,\Gamma\left(\frac{3}{4}\right)\,e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(3/4)*Pi^(1/4)/GAMMA(3/4)/exp(-1/4*Pi)
Value: 1.00186744924412016730583
Number of terms: 512
Offset: 0

Sequence: 1, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: a(n) = 1 if n is of the form m(m+1), else 0.

Sequence: A005758

$$\frac{16\,\Gamma\left(\frac{3}{4}\right)^{12}\sqrt{2}}{\pi^3\,e^{\frac{\pi}{2}}}$$

Printed: 16/Pi^3*GAMMA(3/4)^12/exp(1/2*Pi)*2^(1/2)
Value: 1.73941307890855586082155
Number of terms: 512
Offset: 0

Sequence: 1, 12, 90, 520, 2535, 10908, 42614, 153960, 521235, 1669720, 5098938, 14931072, 42124380, 114945780, 304351020, 784087848, 1970043621, 4837060800, 11626305640, 27398234760, 63388751544, 144156086776, 322590526350
Name: Number of partitions of n into parts of 12 kinds.

Sequence: A005798

$$\frac{1}{32}$$

Printed: 1/32
Value: .31250000000000000000000e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, -8, 44, -192, 718, -2400, 7352, -20992, 56549, -145008, 356388, -844032, 1934534, -4306368, 9337704, -19771392, 40965362, -83207976, 165944732, -325393024, 628092832, -1194744096, 2241688744, -4152367104, 7599231223, -13749863984
Name: Expansion of (theta_2(q)/theta_3(q))^4/16 in powers of q.

Sequence: A005869

$$\frac{\pi^{3/4}\,2^{1/8}}{2\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{3\pi}{8}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-3/8*Pi)*2^(1/8)
Value: 2.27117659772746085901381
Number of terms: 512
Offset: 0

Sequence: 2, 6, 6, 8, 12, 6, 12, 18, 6, 14, 18, 12, 18, 18, 12, 12, 30, 18, 14, 24, 6, 30, 30, 12, 24, 24, 18, 24, 30, 12, 26, 42, 24, 12, 30, 18, 24, 48, 18, 36, 24, 18, 36, 30, 24, 26, 48, 18, 30, 48, 12, 36, 54, 12, 24, 30, 36, 48, 42, 30, 24, 54, 18, 26, 36, 30, 54, 54, 18, 24
Name: Theta series of b.c.c. lattice with respect to short edge.

Sequence: A005875

$$\frac{\pi^{3/4}}{\Gamma\left(\frac{3}{4}\right)^3}$$

Printed: Pi^(3/4)/GAMMA(3/4)^3
Value: 1.28236311585945539900014
Number of terms: 512
Offset: 0

Sequence: 1, 6, 12, 8, 6, 24, 24, 0, 12, 30, 24, 24, 8, 24, 48, 0, 6, 48, 36, 24, 24, 48, 24, 0, 24, 30, 72, 32, 0, 72, 48, 0, 12, 48, 48, 48, 30, 24, 72, 0, 24, 96, 48, 24, 24, 72, 48, 0, 8, 54, 84, 48, 24, 72, 96, 0, 48, 48, 24, 72, 0, 72, 96, 0, 6, 96, 96, 24, 48, 96, 48, 0, 36, 48, 120
Name: Theta series of simple cubic lattice; also number of ways of writing a nonnegative integer n as a sum of 3 squares (zero being allowed).

Sequence: A005876

$$\frac{\pi^{3/4}\,2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{4}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/4*Pi)*2^(3/4)
Value: 2.36508965035106636087251

Number of terms: 512
Offset: 0

Sequence: 2, 8, 10, 8, 16, 16, 10, 24, 16, 8, 32, 24, 18, 24, 16, 24, 32, 32, 16, 32, 34, 16, 48, 16, 16, 56, 32, 24, 32, 40, 26, 48, 48, 16, 32, 32, 32, 56, 48, 24, 64, 32, 26, 56, 16, 40, 64, 64, 16, 40, 48, 32, 80, 32, 32, 64, 50, 40, 48, 48, 48, 56, 48, 16, 64, 72, 32, 88, 32, 24
Name: Theta series of cubic lattice with respect to edge.

Sequence: A005877

$$\frac{\pi^{3/4}\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{\pi}{2}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/2*Pi)*2^(1/2)
Value: 4.36198529497536079796160
Number of terms: 512
Offset: 0

Sequence: 4, 8, 8, 16, 12, 8, 24, 16, 16, 24, 16, 16, 28, 32, 8, 32, 32, 16, 40, 16, 16, 40, 40, 32, 36, 16, 24, 48, 32, 24, 40, 48, 16, 56, 32, 16, 64, 40, 32, 32, 36, 40, 48, 48, 32, 48, 48, 16, 80, 40, 24, 80
Name: Theta series of cubic lattice with respect to square.

Sequence: A005878

$$\frac{2\,\pi^{3/4}\,2^{1/8}}{\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{3\pi}{8}}}$$

Printed: 2*Pi^(3/4)/GAMMA(3/4)^3/exp(-3/8*Pi)*2^(1/8)
Value: 9.08470639090984343605524
Number of terms: 512
Offset: 0

Sequence: 8, 24, 24, 32, 48, 24, 48, 72, 24, 56, 72, 48, 72, 72, 48, 48, 120, 72, 56, 96, 24, 120, 120, 48, 96, 96, 72, 96, 120, 48, 104, 168, 96, 48, 120, 72, 96, 192, 72, 144, 96, 72, 144, 120, 96, 104, 192, 72, 120, 192, 48, 144, 216, 48, 96, 120, 144, 192, 168, 120, 96, 216, 72
Name: Theta series of cubic lattice with respect to deep hole.

Sequence: A005879

$$\frac{\sqrt{2}\,\pi}{\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{2}}}$$

Printed: 2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)

Value: 9.47802534092356356213627
Number of terms: 512
Offset: 0

Sequence: 8, 32, 48, 64, 104, 96, 112, 192, 144, 160, 256, 192, 248, 320, 240, 256, 384, 384, 304, 448, 336, 352, 624, 384, 456, 576, 432, 576, 640, 480, 496, 832, 672, 544, 768, 576, 592, 992, 768, 640, 968, 672, 864, 960, 720, 896, 1024, 960, 784, 1248, 816, 832, 1536
Name: Theta series of D_4 lattice with respect to deep hole.

Sequence: A005880

$$\frac{\sqrt{2}\ \pi}{4\ \Gamma\left(\frac{3}{4}\right)^4\ e^{-\frac{\pi}{2}}}$$

Printed: 1/4*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)
Value: 2.3695063352308908905340 7
Number of terms: 512
Offset: 0

Sequence: 2, 8, 12, 16, 26, 24, 28, 48, 36, 40, 64, 48, 62, 80, 60, 64, 96, 96, 76, 112, 84, 88, 156, 96, 114, 144, 108, 144, 160, 120, 124, 208, 168, 136, 192, 144, 148, 248, 192, 160, 242, 168, 216, 240
Name: Theta series of D_4 lattice with respect to edge.

Sequence: A005883

$$\frac{\sqrt{\pi}\ 2^{3/4}}{\Gamma\left(\frac{3}{4}\right)^2\ e^{-\frac{\pi}{4}}}$$

Printed: Pi^(1/2)/GAMMA(3/4)^2/exp(-1/4*Pi)*2^(3/4)
Value: 4.35385469232117657317640
Number of terms: 512
Offset: 0

Sequence: 4, 8, 4, 8, 8, 0, 12, 8, 0, 8, 8, 8, 4, 8, 0, 8, 16, 0, 8, 0, 4, 16, 8, 0, 8, 8, 0, 8, 8, 8, 4, 16, 0, 0, 8, 0, 16, 8, 8, 8, 0, 0, 12, 8, 0, 8, 16, 0, 8, 8, 0, 16, 0, 0, 0, 16, 12, 8, 8, 0, 8, 8, 0, 0, 8, 8, 16, 8, 0, 8, 8, 0, 12, 8, 0, 0, 16, 0, 8, 8, 0, 24, 0, 8, 8, 0, 0, 8, 8, 0, 4, 16, 8, 8, 16, 0, 0
Name: Theta series of square lattice with respect to deep hole.

Sequence: A005884

$$\frac{\pi^{3/4}\sqrt{2}}{4\ \Gamma\left(\frac{3}{4}\right)^3\ e^{-\frac{\pi}{2}}}$$

Printed: 1/4*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/2*Pi)*2^(1/2)
Value: 2.18099264748768039898080
Number of terms: 512
Offset: 0

Sequence: 2, 4, 4, 8, 6, 4, 12, 8, 8, 12, 8, 8, 14, 16, 4, 16, 16, 8, 20, 8, 8, 20, 20, 16, 18, 8, 12, 24, 16, 12, 20, 24, 8, 28, 16, 8, 32, 20, 16, 16, 18, 20, 24, 24, 16, 24, 24, 8, 40, 20, 12, 40, 16, 12, 20, 24, 16, 40, 36, 16, 22, 24, 24, 32, 16, 12, 40, 32, 24, 28, 16, 24, 40, 28, 12
Name: Theta series of f.c.c. lattice with respect to edge.

Sequence: A005886

$$\frac{\pi^{3/4}\, 2^{1/8}}{\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{3\pi}{8}}}$$

Printed: Pi^(3/4)/GAMMA(3/4)^3/exp(-3/8*Pi)*2^(1/8)
Value: 4.54235319545492171802762
Number of terms: 512
Offset: 0

Sequence: 4, 12, 12, 16, 24, 12, 24, 36, 12, 28, 36, 24, 36, 36, 24, 24, 60, 36, 28, 48, 12, 60, 60, 24, 48, 48, 36, 48, 60, 24, 52, 84, 48, 24, 60, 36, 48, 96, 36, 72, 48, 36, 72, 60, 48, 52, 96, 36, 60, 96, 24, 72, 108, 24, 48, 60, 72, 96, 84, 60, 48, 108, 36, 52, 72, 60, 108, 108, 36, 48, 108
Name: Theta series of f.c.c. lattice with respect to tetrahedral hole.

Sequence: A006922

$$\frac{512\, \Gamma\left(\frac{3}{4}\right)^{24}}{\pi^6\, e^{\pi}}$$

Printed: 512/Pi^6*GAMMA(3/4)^24/exp(Pi)
Value: 3.02555785907814197763859
Number of terms: 512
Offset: -1

Sequence: 1, 24, 324, 3200, 25650, 176256, 1073720, 5930496, 30178575, 143184000, 639249300, 2705114880, 10914317934, 42189811200, 156883829400, 563116739584, 1956790259235, 6599620022400, 21651325216200, 69228721526400, 216108718571250, 659641645039360, 1971466420726656
Name: Expansion of 1/eta(q)^24; Fourier coefficients of T_{14}.

Sequence: A006950

$$\frac{2^{3/4}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{8}}}$$

Printed: 2^(3/4)/Pi^(1/4)*GAMMA(3/4)/exp(1/8*Pi)
Value: 1.04525385952548117077384
Number of terms: 512
Offset: 0

Sequence: 1, 1, 1, 2, 3, 4, 5, 7, 10, 13, 16, 21, 28, 35, 43, 55, 70, 86, 105, 130, 161, 196, 236, 287, 350, 420, 501, 602, 722, 858, 1016, 1206, 1431, 1687, 1981, 2331, 2741, 3206, 3740, 4368, 5096, 5922, 6868, 7967, 9233, 10670, 12306, 14193, 16357, 18803, 21581
Name: G.f.: Product_{k>=1} (1 + x^(2*k - 1)) / (1 - x^(2*k)).

Sequence: A007096

$$2^{1/4}$$

Printed: 2^(1/4)
Value: 1.189207115002721066717500
Number of terms: 512
Offset: 0

Sequence: 1, 4, 8, 16, 32, 56, 96, 160, 256, 404, 624, 944, 1408, 2072, 3008, 4320, 6144, 8648, 12072, 16720, 22976, 31360, 42528, 57312, 76800, 102364, 135728, 179104, 235264, 307672, 400704, 519808, 671744, 864960, 1109904, 1419456, 1809568, 2299832
Name: Expansion of theta_3 / theta_4.

Sequence: A007191

$$\frac{8}{e^{\pi}}$$

Printed: 8/exp(Pi)
Value: .345711346110177998195343
Number of terms: 512
Offset: -1

Sequence: 1, -24, 276, -2048, 11202, -49152, 184024, -614400, 1881471, -5373952, 14478180, -37122048, 91231550, -216072192, 495248952, -1102430208, 2390434947, -5061476352, 10487167336, -21301241856, 42481784514, -83300614144
Name: McKay-Thompson series of class 2B for the Monster group with a(0) = -24.

Sequence: A007246

$$\frac{32}{e^{\pi}}$$

Printed: 32/exp(Pi)
Value: 1.38284538444071199278137
Number of terms: 512
Offset: -1

Sequence: 1, 0, 276, -2048, 11202, -49152, 184024, -614400, 1881471, -5373952, 14478180, -37122048, 91231550, -216072192, 495248952, -1102430208, 2390434947, -5061476352, 10487167336, -21301241856, 42481784514, -83300614144
Name: McKay-Thompson series of class 2B for the Monster group.

Sequence: A007247

$$\frac{18\sqrt{2}}{e^{\frac{\pi}{2}}}$$

Printed: 18/exp(1/2*Pi)*2^(1/2)
Value: 5.29175009188117441410428
Number of terms: 512
Offset: 0

Sequence: 1, 52, 834, 4760, 24703, 94980, 343998, 1077496, 3222915, 8844712, 23381058, 58359168, 141244796, 327974700, 742169724, 1627202744, 3490345477, 7301071680, 14987511560, 30138820888, 59623576440, 115928963656
Name: McKay-Thompson series of class 4B for the Monster group.

Sequence: A007248

$$\frac{6\sqrt{2}}{e^{\frac{\pi}{2}}}$$

Printed: 6/exp(1/2*Pi)*2^(1/2)
Value: 1.7639166972937248047014 3
Number of terms: 512
Offset: 0

Sequence: 1, 20, -62, 216, -641, 1636, -3778, 8248, -17277, 34664, -66878, 125312, -229252, 409676, -716420, 1230328, -2079227, 3460416, -5677816, 9198424, -14729608, 23328520, -36567242, 56774712, -87369461, 133321908, -201825396, 303248408, -452431503
Name: McKay-Thompson series of class 4C for the Monster group.

Sequence: A007249

$$\frac{2\sqrt{2}}{e^{\frac{\pi}{2}}}$$

Printed: 2/exp(1/2*Pi)*2^(1/2)
Value: .587972232431241601567142
Number of terms: 512
Offset: 0

Sequence: 1, -12, 66, -232, 639, -1596, 3774, -8328, 17283, -34520, 66882, -125568, 229244, -409236, 716412, -1231048, 2079237, -3459264, 5677832, -9200232, 14729592, -23325752, 36567222, -56778888, 87369483, -133315692
Name: McKay-Thompson series of class 4D for the Monster group.

Sequence: A007259

$$\frac{2}{e^{\frac{\pi}{3}}}$$

Printed: 2/exp(1/3*Pi)
Value: .701839614356821935131478
Number of terms: 512
Offset: 0

Sequence: 1, -8, 28, -64, 134, -288, 568, -1024, 1809, -3152, 5316, -8704, 13990, -22208, 34696, -53248, 80724, -121240, 180068, -264448, 384940, -556064, 796760, -1132544, 1598789, -2243056, 3127360, -4333568, 5971922, -8188096, 11170160, -15163392, 20491033, -27572936
Name: Expansion of Product_{m>=1} (1 + q^m)^(-8).

Sequence: A007267

$$\frac{648}{e^{\pi}}$$

Printed: 648/exp(Pi)
Value: 28.00261903492441785382 28
Number of terms: 512
Offset: -1

Sequence: 1, 104, 4372, 96256, 1240002, 10698752, 74428120, 431529984, 2206741887, 10117578752, 42616961892, 166564106240, 611800208702, 2125795885056, 7040425608760, 22327393665024, 68134255043715, 200740384538624
Name: Expansion of 16 * (1 + k^2)^4 /(k * k'^2)^2 in powers of q where k is the Jacobian elliptic modulus, k' the complementary modulus and q is the nome.

Sequence: A007331

$$\frac{\pi^2}{32\,\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: 1/32*Pi^2/GAMMA(3/4)^8

Value: .606567871778628884359334e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, 8, 28, 64, 126, 224, 344, 512, 757, 1008, 1332, 1792, 2198, 2752, 3528, 4096, 4914, 6056, 6860, 8064, 9632, 10656, 12168, 14336, 15751, 17584, 20440, 22016, 24390, 28224, 29792, 32768, 37296, 39312, 43344, 48448, 50654, 54880, 61544, 64512
Name: Fourier coefficients of E_{infinity,4}.

Sequence: A008438

$$\frac{\sqrt{2}\ \pi}{8\ \Gamma\left(\frac{3}{4}\right)^4\ e^{-\frac{\pi}{2}}}$$

Printed: 1/8*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)
Value: 1.18475316761544544526703
Number of terms: 512
Offset: 0

Sequence: 1, 4, 6, 8, 13, 12, 14, 24, 18, 20, 32, 24, 31, 40, 30, 32, 48, 48, 38, 56, 42, 44, 78, 48, 57, 72, 54, 72, 80, 60, 62, 104, 84, 68, 96, 72, 74, 124, 96, 80, 121, 84, 108, 120, 90, 112, 128, 120, 98, 156, 102, 104, 192, 108, 110, 152, 114, 144, 182, 144, 133, 168
Name: Sum of divisors of 2*n + 1.

Sequence: A008439

$$\frac{\pi^{5/4}\ 2^{7/8}}{16\ \Gamma\left(\frac{3}{4}\right)^5\ e^{-\frac{5\pi}{8}}}$$

Printed: 1/16*Pi^(5/4)/GAMMA(3/4)^5/exp(-5/8*Pi)*2^(7/8)
Value: 1.23604661088821883937501
Number of terms: 512
Offset: 0

Sequence: 1, 5, 10, 15, 25, 31, 35, 55, 60, 60, 90, 90, 95, 135, 125, 126, 170, 180, 175, 215, 220, 195, 285, 280, 245, 340, 300, 320, 405, 350, 351, 450, 465, 415, 515, 480, 425, 620, 590, 505, 655, 625, 590, 755, 660, 650, 805, 770, 755, 855, 841, 730, 1045, 960, 770, 1100
Name: Expansion of Jacobi theta constant theta_2^5 /32.

Sequence: A008440

$$\frac{\pi^{3/2}\, 2^{1/4}}{16\,\Gamma\left(\frac{3}{4}\right)^6\, e^{-\frac{3\pi}{4}}}$$

Printed: 1/16*Pi^(3/2)/GAMMA(3/4)^6/exp(-3/4*Pi)*2^(1/4)
Value: 1.28956078451622114149514
Number of terms: 512
Offset: 0

Sequence: 1, 6, 15, 26, 45, 66, 82, 120, 156, 170, 231, 276, 290, 390, 435, 438, 561, 630, 651, 780, 861, 842, 1020, 1170, 1095, 1326, 1431, 1370, 1716, 1740, 1682, 2016, 2145, 2132, 2415, 2550, 2353, 2850, 3120, 2810, 3321, 3486, 3285, 3906, 4005, 3722, 4350
Name: Expansion of Jacobi theta constant theta_2^6 /(64q^(3/2)).

Sequence: A008441

$$\frac{\sqrt{\pi}\; 2^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^2\, e^{-\frac{\pi}{4}}}$$

Printed: 1/4*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/4*Pi)*2^(3/4)
Value: 1.08846367308029414329410
Number of terms: 512
Offset: 0

Sequence: 1, 2, 1, 2, 2, 0, 3, 2, 0, 2, 2, 2, 1, 2, 0, 2, 4, 0, 2, 0, 1, 4, 2, 0, 2, 2, 0, 2, 2, 2, 1, 4, 0, 0, 2, 0, 4, 2, 2, 2, 0, 0, 3, 2, 0, 2, 4, 0, 2, 2, 0, 4, 0, 0, 0, 4, 3, 2, 2, 0, 2, 2, 0, 0, 2, 2, 4, 2, 0, 2, 2, 0, 3, 2, 0, 0, 4, 0, 2, 2, 0, 6, 0, 2, 2, 0, 0, 2, 2, 0, 1, 4, 2, 2, 4, 0, 0, 2, 0, 2, 2, 2, 2, 0, 0
Name: Number of ways of writing n as the sum of 2 triangular numbers.

Sequence: A008443

$$\frac{\pi^{3/4}\, 2^{1/8}}{4\,\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{3\pi}{8}}}$$

Printed: 1/4*Pi^(3/4)/GAMMA(3/4)^3/exp(-3/8*Pi)*2^(1/8)
Value: 1.13558829886373042950690
Number of terms: 512
Offset: 0

Sequence: 1, 3, 3, 4, 6, 3, 6, 9, 3, 7, 9, 6, 9, 9, 6, 6, 15, 9, 7, 12, 3, 15, 15, 6, 12, 12, 9, 12, 15, 6, 13, 21, 12, 6, 15, 9, 12, 24, 9, 18, 12, 9, 18, 15, 12, 13, 24, 9, 15, 24, 6, 18, 27, 6, 12, 15, 18, 24, 21, 15, 12, 27, 9, 13, 18, 15, 27, 27, 9, 12, 27, 15, 24, 21, 12, 15, 30, 15, 12
Name: Number of ordered ways of writing n as the sum of 3 triangular numbers.

Sequence: A008451

$$\frac{\pi^{7/4}}{\Gamma\left(\frac{3}{4}\right)^7}$$

Printed: Pi^(7/4)/GAMMA(3/4)^7
Value: 1.78659333229936218730348
Number of terms: 512
Offset: 0

Sequence: 1, 14, 84, 280, 574, 840, 1288, 2368, 3444, 3542, 4424, 7560, 9240, 8456, 11088, 16576, 18494, 17808, 19740, 27720, 34440, 29456, 31304, 49728, 52808, 43414, 52248, 68320, 74048, 68376, 71120, 99456, 110964, 89936, 94864, 136080, 145222
Name: Number of ways of writing n as a sum of 7 squares.

Sequence: A008452

$$\frac{\pi^{9/4}}{\Gamma\left(\frac{3}{4}\right)^9}$$

Printed: Pi^(9/4)/GAMMA(3/4)^9
Value: 2.10878864404439262160752
Number of terms: 512
Offset: 0

Sequence: 1, 18, 144, 672, 2034, 4320, 7392, 12672, 22608, 34802, 44640, 60768, 93984, 125280, 141120, 182400, 262386, 317376, 343536, 421344, 557280, 665280, 703584, 800640, 1068384, 1256562, 1234080, 1421184, 1851264, 2034720, 2057280, 2338560
Name: Number of ways of writing n as a sum of 9 squares.

Sequence: A008453

$$\frac{\pi^{11/4}}{\Gamma\left(\frac{3}{4}\right)^{11}}$$

Printed: Pi^(11/4)/GAMMA(3/4)^11
Value: 2.48908885130969970827577
Number of terms: 512
Offset: 0

Sequence: 1, 22, 220, 1320, 5302, 15224, 33528, 63360, 116380, 209550, 339064, 491768, 719400, 1095160, 1538416, 1964160, 2624182, 3696880, 4763220, 5686648, 7217144, 9528816, 11676280, 13495680, 16317048, 20787470, 25022184, 27785120, 32503680
Name: Number of ways of writing n as a sum of 11 squares.

Sequence: A008658

$$\frac{9\,\pi^2}{4\,\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: 9/4*Pi^2/GAMMA(3/4)^8
Value: 4.36728867680612796738721
Number of terms: 512
Offset: 0

Sequence: 1, 48, 624, 1344, 5232, 6048, 17472, 16512, 42096, 36336, 78624, 63936, 146496, 105504, 214656, 169344, 337008, 235872, 472368, 329280, 659232, 462336, 831168, 584064, 1178688, 756048, 1371552, 981120, 1799808, 1170720, 2201472
Name: Theta series of direct sum of 2 copies of D_4 lattice in powers of q^2.

Sequence: A008659

$$\frac{27\,\pi^3}{8\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 27/8*Pi^3/GAMMA(3/4)^12
Value: 9.12678561989708615775594
Number of terms: 512
Offset: 0

Sequence: 1, 72, 1800, 17568, 57096, 225072, 439200, 1210176, 1826568, 4269096, 5626800, 11595744, 13931424, 26733168, 30254400, 54917568, 58449672, 102229776, 106727400, 178279200, 178482096, 295282944, 289893600, 463416768, 445682592
Name: Theta series of direct sum of 3 copies of D_4 lattice.

Sequence: A008660

$$\frac{81\,\pi^4}{16\,\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: 81/16*Pi^4/GAMMA(3/4)^16
Value: 19.0732103865590200634039
Number of terms: 512
Offset: 0

Sequence: 1, 96, 3552, 62592, 528864, 2191680, 8951424, 23321856, 67105248, 134971872, 319970880, 550300032, 1147717248, 1771816512, 3371135232, 4826361600, 8594190816, 11587029696, 19592103264
Name: Theta series of direct sum of 4 copies of D_4 lattice.

Sequence: A008661

$$\frac{243\,\pi^5}{32\,\Gamma\left(\frac{3}{4}\right)^{20}}$$

Printed: 243/32*Pi^5/GAMMA(3/4)^20
Value: 39.8593074934135418027102
Number of terms: 512
Offset: 0

Sequence: 1, 120, 5880, 150240, 2125560, 16730064, 80352480, 343550400, 1074130680, 3300009240, 8002059984, 20074327200, 41273292000, 90329139600, 165297094080, 327390278976, 549728415480, 1009882047600
Name: Theta series of direct sum of 5 copies of D_4 lattice.

Sequence: A008662

$$\frac{729\,\pi^6}{64\,\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 729/64*Pi^6/GAMMA(3/4)^24
Value: 83.2982157515602392490262
Number of terms: 512
Offset: 0

Sequence: 1, 144, 8784, 294336, 5883984, 71916768, 547468992, 2882049408, 12927121488, 45761350608, 150532923744, 416276152128, 1118182645440, 2614241349216, 6094718050176, 12618123283584, 26478496036944
Name: Theta series of direct sum of 6 copies of D_4 lattice.

Sequence: A010054

$$\frac{\pi^{1/4}\,2^{3/8}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/8*Pi)*2^(3/8)
Value: 1.04329462429377740146766
Number of terms: 512
Offset: 0

Sequence: 1, 1, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: a(n) = 1 if n is a triangular number, otherwise 0.

Sequence: A010815

$$\frac{\pi^{1/4}\, 2^{5/8}}{2\,\Gamma\left(\frac{3}{4}\right) e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/24*Pi)*2^(5/8)
Value: .954918789987674103751225
Number of terms: 512
Offset: 0

Sequence: 1, -1, -1, 0, 0, 1, 0, 1, 0, 0, 0, 0, -1, 0, 0, -1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1
Name: From Euler's Pentagonal Theorem: coefficient of q^n in Product_{m>=1} (1 - q^m).

Sequence: A010816

$$\frac{2^{7/8}\, \pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{\pi}{8}}}$$

Printed: 1/4*2^(7/8)*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/8*Pi)
Value: .870761697209854220172130
Number of terms: 512
Offset: 0

Sequence: 1, -3, 0, 5, 0, 0, -7, 0, 0, 0, 9, 0, 0, 0, 0, -11, 0, 0, 0, 0, 0, 13, 0, 0, 0, 0, 0, 0, -15, 0, 0, 0, 0, 0, 0, 0, 17, 0, 0, 0, 0, 0, 0, 0, 0, -19, 0, 0, 0, 0, 0, 0, 0, 0, 0, 21, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -23, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -27, 0, 0, 0, 0, 0, 0, 0
Name: Expansion of Product_{k>=1} (1 - x^k)^3.

Sequence: A010817

$$\frac{\pi^{9/4}\, 2^{5/8}}{16\,\Gamma\left(\frac{3}{4}\right)^9 e^{-\frac{3\pi}{8}}}$$

Printed: 1/16*Pi^(9/4)/GAMMA(3/4)^9/exp(-3/8*Pi)*2^(5/8)
Value: .660234100573028569684888
Number of terms: 512
Offset: 0

Sequence: 1, -9, 27, -12, -90, 135, 54, -99, -189, -85, 657, -162, -135, -171, -810, 702, 495, 837, -673, -900, 243, -1053, -297, 1566, 2700, -1764, 81, -1188, -1377, 270, -2043, 3321, -756, 3726, 3015, -4563, -3348, 504, -351, -1350, -

468
Name: Expansion of Product_{k>=1} (1 - x^k)^9.

Sequence: A010818

$$\frac{\pi^{5/2}\, 2^{1/4}}{16\,\Gamma\left(\frac{3}{4}\right)^{10}\, e^{-\frac{5\pi}{12}}}$$

Printed: 1/16*Pi^(5/2)/GAMMA(3/4)^10/exp(-5/12*Pi)*2^(1/4)
Value: .630469948427796771375369
Number of terms: 512
Offset: 0

Sequence: 1, -10, 35, -30, -105, 238, 0, -260, -165, 140, 1054, -770, -595, 0, -715, 2162, 455, 0, -2380, -1820, 2401, -680, 1495, 3080, 1615, -6958, -1925, 0, 0, 5100, -1442, 8330, -5355, 1330, 0, -16790, 0, 8190, 8265, 0, 1918, 0, 8415, -10230, -7140, -9362
Name: Expansion of Product (1 - x^k)^10 in powers of x.

Sequence: A010822

$$\frac{\pi^{15/4}\, 2^{3/8}}{64\,\Gamma\left(\frac{3}{4}\right)^{15}\, e^{-\frac{5\pi}{8}}}$$

Printed: 1/64*Pi^(15/4)/GAMMA(3/4)^15/exp(-5/8*Pi)*2^(3/8)
Value: .500606617121815812988873
Number of terms: 512
Offset: 0

Sequence: 1, -15, 90, -245, 105, 1107, -2485, 195, 4860, -2420, -3990, -8190, 19695, 13755, -38475, 3990, -9750, 34020, 43015, -46605, -13860, -127385, 106485, 165240, -79275, -16380, -92340, -35840, -151995, 188550, 315783, 90090, -271215, -307485, 20475, -505440, 915385, 209340, -284130, 337645, -294225, 269325, -1707970, -70305, 1297620, 574210, 492765, 251370, -847245, -1102725, 438129, -1416190, 641445, 0
Name: Expansion of Product_{k>=1} (1 - x^k)^15.

Sequence: A010824

$$\frac{\pi^{9/2}\, 2^{1/4}}{128\,\Gamma\left(\frac{3}{4}\right)^{18}\, e^{-\frac{3\pi}{4}}}$$

Printed: 1/128*Pi^(9/2)/GAMMA(3/4)^18/exp(-3/4*Pi)*2^(1/4)
Value: .435909067559476004288746
Number of terms: 512
Offset: 0

Sequence: 1, -18, 135, -510, 765, 1242, -7038, 8280, 9180, -27710, 3519, 20196, 50370, -68850, -153765, 244782, 52785, -71010, -130525, -343620, 517293, 54978, 498780, -390150, -1835865, 1161270, 896751, 793730, -633420
Name: Expansion of Product_{k>=1} (1 - x^k)^18.

Sequence: A010826

$$\frac{\pi^5 \sqrt{2}}{256\,\Gamma\left(\frac{3}{4}\right)^{20} e^{-\frac{5\pi}{6}}}$$

Printed: 1/256*Pi^5/GAMMA(3/4)^20/exp(-5/6*Pi)*2^(1/2)
Value: .397492355870548720590191
Number of terms: 512
Offset: 0

Sequence: 1, -20, 170, -760, 1615, 476, -11210, 22440, 1615, -64600, 60002, 51680, -9520, -213180, -83980, 803528, -379525, -692360, 119700, 80920, 1899830, -1235360, -755990, -1200040, -1981435, 8388956, -361760, -5068440
Name: Expansion of Product_{k>=1} (1 - x^k)^20.

Sequence: A010839

$$\frac{\pi^{12}}{262144\,\Gamma\left(\frac{3}{4}\right)^{48} e^{-2\pi}}$$

Printed: 1/262144*Pi^12/GAMMA(3/4)^48/exp(-2*Pi)
Value: .109241857201512593078440
Number of terms: 512
Offset: 0

Sequence: 1, -48, 1080, -15040, 143820, -985824, 4857920, -16295040, 28412910, 38671600, -424520544, 1268350272, -1211937160, -4306546080, 18293091840, -23522231424, -26299018683, 137218594320, -150999182320, -134713340160
Name: Expansion of Product_{k >= 1} (1-x^k)^48.

Sequence: A014103

$$\frac{1}{8\,e^{-\pi}}$$

Printed: 1/8/exp(-Pi)
Value: 2.8925865790974086257161 2
Number of terms: 512
Offset: 1

Sequence: 1, 24, 300, 2624, 18126, 105504, 538296, 2471424, 10400997, 40674128, 149343012, 519045888, 1718732998, 5451292992, 16633756008, 49010118656, 139877936370, 387749049720, 1046413709980, 2754808758144, 7087483527072, 17848133716832, 44056043512488, 106727749011456
Name: Expansion of (eta(q^2) / eta(q))^24 in powers of q.

Sequence: A014705

$$\frac{3\sqrt{2}}{e^{\frac{\pi}{6}}}$$

Printed: 3/exp(1/6*Pi)*2^(1/2)
Value: 2.51327605511439936930648
Number of terms: 512
Offset: 0

Sequence: 1, 28, 134, 568, 1809, 5316, 13990, 34696, 80724, 180068, 384940, 796760, 1598789, 3127360, 5971922, 11170160, 20491033, 36947444, 65553412, 114619248, 197681341, 336670120, 566630192, 943234040, 1553941445, 2535325644, 4098671374, 6568931200, 10441889389
Name: Expansion of ((theta_2)^4 + (theta_3)^4) / eta(z/2)^4.

Sequence: A014787

$$\frac{\pi^3\sqrt{2}}{256\,\Gamma\left(\frac{3}{4}\right)^{12}e^{-\frac{3\pi}{2}}}$$

Printed: 1/256*Pi^3/GAMMA(3/4)^12/exp(-3/2*Pi)*2^(1/2)
Value: 1.66296701696209173615416
Number of terms: 512
Offset: 0

Sequence: 1, 12, 66, 232, 627, 1452, 2982, 5544, 9669, 16016, 25158, 38160, 56266, 80124, 111816, 153528, 205260, 270876, 353870, 452496, 574299, 724044, 895884, 1103520, 1353330, 1633500, 1966482, 2360072, 2792703, 3299340, 3892922, 4533936, 5273841, 6134448
Name: Expansion of Jacobi theta constant (theta_2/2)^12.

Sequence: A014805

$$\frac{\pi^4}{1024\,\Gamma\left(\frac{3}{4}\right)^{16}e^{-2\pi}}$$

Printed: 1/1024*Pi^4/GAMMA(3/4)^16/exp(-2*Pi)
Value: 1.9702054409858463795717 9

Number of terms: 512
Offset: 0

Sequence: 1, 16, 120, 576, 2060, 6048, 15424, 35200, 73518, 143280, 263584, 461376, 775160, 1256928, 1973760, 3017088, 4503557, 6572880, 9411984, 13249280, 18340932, 25034976, 33739520, 44879616, 59057510, 76949920, 99212352, 126838080, 160884264, 202296960, 252645376
Name: Expansion of Jacobi theta constant (theta_2/2)^16.

Sequence: A014806

$$\frac{\pi^5 \sqrt{2}}{8192\,\Gamma\left(\frac{3}{4}\right)^{20} e^{-\frac{5\pi}{2}}}$$

Printed: 1/8192*Pi^5/GAMMA(3/4)^20/exp(-5/2*Pi)*2^(1/2)
Value: 2.33420713706116706526824
Number of terms: 512
Offset: 0

Sequence: 1, 20, 190, 1160, 5225, 18924, 58350, 158840, 391020, 886540, 1877676, 3753640, 7140485, 13014240, 22846170, 38794448, 63969485, 102744780, 161143180, 247386480, 372472353, 550858280, 801535160, 1148976360, 1624208445, 2266848372, 3126467670, 4264095520
Name: Expansion of Jacobi theta constant (theta_2/2)^20.

Sequence: A014809

$$\frac{\pi^6}{32768\,\Gamma\left(\frac{3}{4}\right)^{24} e^{-3\pi}}$$

Printed: 1/32768*Pi^6/GAMMA(3/4)^24/exp(-3*Pi)
Value: 2.7654592995037979041067 2
Number of terms: 512
Offset: 0

Sequence: 1, 24, 276, 2048, 11178, 48576, 177400, 565248, 1612875, 4200352, 10131156, 22892544, 48897678, 99448320, 193740408, 363315200, 658523925, 1157743824, 1980143600, 3303168000, 5386270686, 8602175744, 13477895856, 20748607488, 31425764410, 46883528256, 68969957700
Name: Expansion of Jacobi theta constant (theta_2/2)^24.

Sequence: A014969

$$\sqrt{2}$$

Printed: 2^(1/2)
Value: 1.41421356237309504880169
Number of terms: 512
Offset: 0

Sequence: 1, 8, 32, 96, 256, 624, 1408, 3008, 6144, 12072, 22976, 42528, 76800, 135728, 235264, 400704, 671744, 1109904, 1809568, 2914272, 4640256, 7310592, 11404416, 17626944, 27009024, 41047992, 61905088, 92681664
Name: Expansion of (theta_3(q) / theta_4(q))^2 in powers of q.

Sequence: A014972

$$2$$

Printed: 2
Value: 2.
Number of terms: 512
Offset: 0

Sequence: 1, 16, 128, 704, 3072, 11488, 38400, 117632, 335872, 904784, 2320128, 5702208, 13504512, 30952544, 68901888, 149403264, 316342272, 655445792, 1331327616, 2655115712, 5206288384, 10049485312, 19115905536, 35867019904, 66437873664
Name: Expansion of (theta_3(q) / theta_4(q))^4 in powers of q; also of 1 / (1 - lambda(z)).

Sequence: A015128

$$\frac{2^{1/4}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}}$$

Printed: 1/Pi^(1/4)*2^(1/4)*GAMMA(3/4)
Value: 1.09459592303990983183953
Number of terms: 512
Offset: 0

Sequence: 1, 2, 4, 8, 14, 24, 40, 64, 100, 154, 232, 344, 504, 728, 1040, 1472, 2062, 2864, 3948, 5400, 7336, 9904, 13288, 17728, 23528, 31066, 40824, 53408, 69568, 90248, 116624, 150144, 192612, 246256, 313808, 398640, 504886, 637592, 802936, 1008448
Name: Number of overpartitions of n: an overpartition of n is an ordered sequence of nonincreasing integers that sum to n, where the first occurrence of each integer may be overlined.

Sequence: A022065

$$\frac{9\,\pi^3}{8\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 9/8*Pi^3/GAMMA(3/4)^12
Value: 3.04226187329902871925198
Number of terms: 512
Offset: 0

Sequence: 1, 24, 264, 5856, 7944, 75024, 64416, 403392, 253704, 1423032, 825264, 3865248, 1938336, 8911056, 4437312, 18305856, 8118024, 34076592, 15653352, 59426400, 24832944, 98427648, 42517728, 154472256, 61903776, 234450024, 98021616, 345796800, 133522752, 492267600
Name: Theta series of D*_12 lattice.

Sequence: A022567

$$\frac{2^{3/4}}{2\,e^{-\frac{\pi}{12}}}$$

Printed: 1/2/exp(-1/12*Pi)*2^(3/4)
Value: 1.09254801060857126383828
Number of terms: 512
Offset: 0

Sequence: 1, 2, 3, 6, 9, 14, 22, 32, 46, 66, 93, 128, 176, 238, 319, 426, 562, 736, 960, 1242, 1598, 2048, 2608, 3306, 4175, 5248, 6570, 8198, 10190, 12622, 15589, 19190, 23552, 28830, 35190, 42842, 52034, 63040, 76198, 91904, 110604, 132832, 159216, 190464, 227417
Name: Expansion of Product_{m>=1} (1+x^m)^2.

Sequence: A022568

$$\frac{2^{5/8}}{2\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2/exp(-1/8*Pi)*2^(5/8)
Value: 1.14198604228142321093068
Number of terms: 512
Offset: 0

Sequence: 1, 3, 6, 13, 24, 42, 73, 120, 192, 302, 465, 702, 1046, 1536, 2226, 3195, 4536, 6378, 8896, 12306, 16896, 23045, 31224, 42048, 56310, 75000, 99384, 131072, 172071, 224910, 292774, 379608, 490338, 631104, 809472, 1034814, 1318707, 1675344, 2122176, 2680602, 3376728, 4242432, 5316562, 6646272
Name: Expansion of Product_{m>=1} (1+x^m)^3.

Sequence: A022569

$$\frac{\sqrt{2}}{2\,e^{-\frac{\pi}{6}}}$$

Printed: 1/2/exp(-1/6*Pi)*2^(1/2)
Value: 1.19366115548474674686976
Number of terms: 512

Offset: 0

Sequence: 1, 4, 10, 24, 51, 100, 190, 344, 601, 1024, 1702, 2768, 4422, 6948, 10752, 16424, 24782, 36972, 54602, 79872, 115805, 166540, 237664, 336720, 473856, 662596, 920934, 1272728, 1749407, 2392268, 3255410, 4409344, 5945730, 7983388, 10675712, 14220240, 18870672, 24951740, 32878114
Name: Expansion of Product_{m>=1} (1+x^m)^4.

Sequence: A022570

$$\frac{2^{3/8}}{2\,e^{-\frac{5\pi}{24}}}$$

Printed: 1/2/exp(-5/24*Pi)*2^(3/8)
Value: 1.24767457863732467810701
Number of terms: 512
Offset: 0

Sequence: 1, 5, 15, 40, 95, 206, 425, 835, 1575, 2880, 5121, 8885, 15095, 25165, 41240, 66562, 105945, 166480, 258560, 397235, 604162, 910325, 1359680, 2014235, 2961000, 4321283, 6263360, 9019555, 12908945, 18367805, 25990149, 36581200, 51228175, 71393555, 99037095, 136775685, 188091960
Name: Expansion of Product_{m>=1} (1+x^m)^5.

Sequence: A022571

$$\frac{2^{1/4}}{2\,e^{-\frac{\pi}{4}}}$$

Printed: 1/2/exp(-1/4*Pi)*2^(1/4)
Value: 1.30413212076558852163454
Number of terms: 512
Offset: 0

Sequence: 1, 6, 21, 62, 162, 384, 855, 1806, 3648, 7110, 13434, 24702, 44361, 78006, 134592, 228302, 381300, 627840, 1020394, 1638528, 2601849, 4088780, 6363354, 9813504, 15005458, 22760262, 34261248, 51204222, 76005906, 112092438, 164296989, 239404860, 346898496, 499971968, 716906394
Name: Expansion of Product_{m>=1} (1+x^m)^6.

Sequence: A022572

$$\frac{2^{1/8}}{2\,e^{-\frac{7\pi}{24}}}$$

Printed: 1/2/exp(-7/24*Pi)*2^(1/8)

Value: 1.3631443787770964839699 2
Number of terms: 512
Offset: 0

Sequence: 1, 7, 28, 91, 259, 665, 1589, 3585, 7707, 15925, 31808, 61677, 116536, 215180, 389194, 690935, 1206016, 2072700, 3511851, 5872545, 9701097, 15844866, 25606840, 40974528, 64956836, 102076289, 159084401, 245995792, 377574402, 575459136, 871189669, 1310492547, 1959326215, 2912370944
Name: Expansion of Product_{m>=1} (1+x^m)^7.

Sequence: A022573

$$\frac{1}{2\,e^{-\frac{\pi}{3}}}$$

Printed: 1/2/exp(-1/3*Pi)
Value: 1.4248269541131807487370 6
Number of terms: 512
Offset: 0

Sequence: 1, 8, 36, 128, 394, 1088, 2776, 6656, 15155, 33056, 69508, 141568, 280382, 541696, 1023512, 1895424, 3446617, 6163536, 10854400, 18846592, 32296742, 54673920, 91506000, 151523840, 248403014, 403396288, 649286724, 1036287744, 1640796160, 2578305024, 4022351720, 6232177664, 9592906446
Name: Expansion of Product_{m>=1} (1+x^m)^8.

Sequence: A022574

$$\frac{2^{7/8}}{4\,e^{-\frac{3\pi}{8}}}$$

Printed: 1/4/exp(-3/8*Pi)*2^(7/8)
Value: 1.4893006792051734945257 5
Number of terms: 512
Offset: 0

Sequence: 1, 9, 45, 174, 576, 1701, 4614, 11709, 28125, 64525, 142353, 303552, 628251, 1266273, 2492352, 4801578, 9071973, 16837893, 30744649, 55296000, 98070633, 171683463, 296919081, 507695670, 858866880, 1438391232, 2386178649, 3923081006, 6395198049, 10341173376, 16593811467
Name: Expansion of Product_{m>=1} (1+x^m)^9.

Sequence: A022575

$$\frac{2^{3/4}}{4\,e^{-\frac{5\pi}{12}}}$$

Printed: 1/4/exp(-5/12*Pi)*2^(3/4)
Value: 1.55669185417782568201850
Number of terms: 512
Offset: 0

Sequence: 1, 10, 55, 230, 815, 2562, 7360, 19700, 49755, 119700, 276278, 615130, 1326965, 2783360, 5693305, 11384326, 22299655, 42865280, 80983060, 150571340, 275840009, 498410280, 889056835, 1566896280, 2730474975, 4707724814, 8035618655, 13586253440, 22765030080, 37820087380
Name: Expansion of Product_{m>=1} (1+x^m)^10.

Sequence: A022576

$$\frac{2^{5/8}}{4\,e^{-\frac{11\pi}{24}}}$$

Printed: 1/4/exp(-11/24*Pi)*2^(5/8)
Value: 1.62713249426360627972795
Number of terms: 512
Offset: 0

Sequence: 1, 11, 66, 297, 1122, 3740, 11341, 31922, 84535, 212707, 512369, 1188353, 2666048, 5807296, 12319659, 25518757, 51725289, 102786959, 200568907, 384847199, 727019260, 1353654049, 2486522369, 4509972819, 8083287432, 14326409152, 25124415635, 43622744968, 75026666913, 127882738709
Name: Expansion of Product_{m>=1} (1+x^m)^11.

Sequence: A022577

$$\frac{\sqrt{2}}{4\,e^{-\frac{\pi}{2}}}$$

Printed: 1/4/exp(-1/2*Pi)*2^(1/2)
Value: 1.70076058841255156411995
Number of terms: 512
Offset: 0

Sequence: 1, 12, 78, 376, 1509, 5316, 16966, 50088, 138738, 364284, 913824, 2203368, 5130999, 11585208, 25444278, 54504160, 114133296, 234091152, 471062830, 931388232, 1811754522, 3471186596, 6556994502, 12222818640, 22502406793, 40944396120, 73680871326, 131211105208, 231355524048, 404110659732
Name: Expansion of Product_{m>=1} (1+x^m)^12.

Sequence: A022578

$$\frac{2^{3/8}}{4\,e^{-\frac{13\pi}{24}}}$$

Printed: 1/4/exp(-13/24*Pi)*2^(3/8)
Value: 1.77772036960426553480662
Number of terms: 512
Offset: 0

Sequence: 1, 13, 91, 468, 1989, 7384, 24739, 76427, 220948, 604175, 1575392, 3941847, 9511944, 22226049, 50458447, 111609537, 241099027, 509680951, 1056262792, 2149214288, 4299359012, 8465605408, 16424772637, 31429372312, 59365381608, 110770031489, 204315725953, 372772306309, 673125106316
Name: Expansion of Product_{m>=1} (1+x^m)^13.

Sequence: A022579

$$\frac{2^{1/4}}{4\,e^{-\frac{7\pi}{12}}}$$

Printed: 1/4/exp(-7/12*Pi)*2^(1/4)
Value: 1.85816259739159629117820
Number of terms: 512
Offset: 0

Sequence: 1, 14, 105, 574, 2576, 10052, 35273, 113794, 342699, 974176, 2635955, 6833540, 17061345, 41197422, 96544003, 220212384, 490104727, 1066552228, 2273590095, 4755188704, 9771319068, 19751596934, 39317784863, 77150246040, 149357609184, 285497384004, 539227765104, 1006978117880
Name: Expansion of Product_{m>=1} (1+x^m)^14.

Sequence: A022580

$$\frac{2^{1/8}}{4\,e^{-\frac{5\pi}{8}}}$$

Printed: 1/4/exp(-5/8*Pi)*2^(1/8)
Value: 1.94224485322947432964567
Number of terms: 512
Offset: 0

Sequence: 1, 15, 120, 695, 3285, 13443, 49305, 165795, 519240, 1531960, 4295046, 11520000, 29718605, 74060355, 178930605, 420368858, 962785560, 2154411120, 4718952965, 10134292275, 21369644184, 44300604895,

90390209685, 181706747280, 360207189225, 704726281002, 1361748557400
Name: Expansion of Product_{m>=1} (1+x^m)^15.

Sequence: A022581

$$\frac{1}{4\,e^{-\frac{2\pi}{3}}}$$

Printed: 1/4/exp(-2/3*Pi)
Value: 2.03013184916744407896174
Number of terms: 512
Offset: 0

Sequence: 1, 16, 136, 832, 4132, 17696, 67712, 236928, 770442, 2355824, 6834240, 18940480, 50424536, 129535968, 322288128, 779022208, 1834203955, 4216133616, 9479688992, 20884408704, 45148577668, 95902505120, 200394848512, 412350614016, 836328261438, 1673337795840, 3305364030464, 6450386567104, 12443955363352, 23745951691328, 44844655553536, 83856163515776, 155331420821337
Name: Expansion of Product_{m>=1} (1+x^m)^16.

Sequence: A022582

$$\frac{2^{7/8}}{8\,e^{-\frac{17\pi}{24}}}$$

Printed: 1/8/exp(-17/24*Pi)*2^(7/8)
Value: 2.12199575051059865721370
Number of terms: 512
Offset: 0

Sequence: 1, 17, 153, 986, 5134, 22967, 91528, 332741, 1121864, 3550518, 10644516, 30446116, 83554915, 221028152, 565733446, 1405559677, 3398860779, 8018057345, 18489507853, 41750241112, 92455892640, 201066321781, 429927351485, 904832464581, 1876192580514, 3836193955660, 7740691696577
Name: Expansion of Product_{m>=1} (1+x^m)^17.

Sequence: A022583

$$\frac{2^{3/4}}{8\,e^{-\frac{3\pi}{4}}}$$

Printed: 1/8/exp(-3/4*Pi)*2^(3/4)
Value: 2.21801651308099109046210
Number of terms: 512
Offset: 0

Sequence: 1, 18, 171, 1158, 6309, 29430, 121962, 460008, 1605996, 5254334, 16260867, 47949804, 135509922, 368764290, 970099191, 2475106170, 6141671649, 14856839874, 35107961175, 81189855828, 184033842021, 409446105486, 895231350108, 1925717858910, 4079428991751, 8518121246538
Name: Expansion of Product_{m>=1} (1+x^m)^18.

Sequence: A022584

$$\frac{2^{5/8}}{8\, e^{-\frac{19\pi}{24}}}$$

Printed: 1/8/exp(-19/24*Pi)*2^(5/8)
Value: 2.31838223574019668259522
Number of terms: 512
Offset: 0

Sequence: 1, 19, 190, 1349, 7676, 37278, 160417, 626924, 2263698, 7647652, 24405633, 74120672, 215505334, 602763220, 1628328880, 4262845643, 10845598563, 26882001287, 65048680364, 153950675585, 356936640088, 811869015895, 1813912504439, 3985419541978, 8619872682020, 18369414409148
Name: Expansion of Product_{m>=1} (1+x^m)^19.

Sequence: A022585

$$\frac{\sqrt{2}}{8\, e^{-\frac{5\pi}{6}}}$$

Printed: 1/8/exp(-5/6*Pi)*2^(1/2)
Value: 2.42328952886359689729199
Number of terms: 512
Offset: 0

Sequence: 1, 20, 210, 1560, 9255, 46724, 208510, 843320, 3145855, 10963160, 36042250, 112633760, 336622160, 966897820, 2680139300, 7193849624, 18752326235, 47590579080, 117840608100, 285228791880, 675978772326, 1570897356960, 3584273539170, 8038904002760, 17741382028085, 38563932406500
Name: Expansion of Product_{m>=1} (1+x^m)^20.

Sequence: A022586

$$\frac{2^{3/8}}{8\, e^{-\frac{7\pi}{8}}}$$

Printed: 1/8/exp(-7/8*Pi)*2^(3/8)
Value: 2.5329438994882035698426 2

Number of terms: 512
Offset: 0

Sequence: 1, 21, 231, 1792, 11067, 58002, 268093, 1120899, 4315269, 15497986, 52441347, 168487473, 517184185, 1524390777, 4332440454, 11914441196, 31798680774, 82574231187, 209091601271, 517272712845, 1252351944165, 2971700764941, 6920411525727, 15835150526244, 35640093688017
Name: Expansion of Product_{m>=1} (1+x^m)^21.

Sequence: A022587

$$\frac{2^{1/4}}{8\, e^{-\frac{11\pi}{12}}}$$

Printed: 1/8/exp(-11/12*Pi)*2^(1/4)
Value: 2.64756015388850472280512
Number of terms: 512
Offset: 0

Sequence: 1, 22, 253, 2046, 13134, 71368, 341275, 1473494, 5848810, 21628002, 75261384, 248403586, 782547909, 2365168542, 6887441198, 19393122562, 52959869787, 140631776582, 363943223941, 919706094494, 2273411319069, 5505315501136, 13078268135683, 30514651732686, 70005101272876
Name: Expansion of Product_{m>=1} (1 + x^m)^22.

Sequence: A022588

$$\frac{2^{1/8}}{8\, e^{-\frac{23\pi}{24}}}$$

Printed: 1/8/exp(-23/24*Pi)*2^(1/8)
Value: 2.76736281836895369884945
Number of terms: 512
Offset: 0

Sequence: 1, 23, 276, 2323, 15479, 87101, 430445, 1917349, 7839849, 29824583, 106646308, 361327079, 1167406906, 3615602714, 10780913004, 31061653709, 86741652761, 235404301651, 622271232287, 1605432041576, 4049617772390, 10002785010369, 24227747380447, 57613905606273, 134662398395411
Name: Expansion of Product_{m>=1} (1 + x^m)^23.

Sequence: A022589

$$\frac{2^{7/8}}{16\, e^{-\frac{25\pi}{24}}}$$

Printed: 1/16/exp(-25/24*Pi)*2^(7/8)
Value: 3.02347674184112929733401
Number of terms: 512
Offset: 0

Sequence: 1, 25, 325, 2950, 21100, 126905, 667850, 3157725, 13667175, 54900675, 206841715, 736953800, 2499500175, 8113694575, 25320834800, 76253908740, 222308896150, 629146702350, 1732518057650, 4651937973250, 12201443983695, 31311905220800, 78732034002275, 194220161393825
Name: Expansion of Product_{m>=1} (1 + q^m)^25.

Sequence: A022590

$$\frac{2^{3/4}}{16\, e^{-\frac{13\pi}{12}}}$$

Printed: 1/16/exp(-13/12*Pi)*2^(3/4)
Value: 3.16028971250592646038590
Number of terms: 512
Offset: 0

Sequence: 1, 26, 351, 3302, 24427, 151658, 822484, 4001660, 17799041, 73391968, 283542740, 1034983222, 3593364255, 11931569028, 38062054017, 117095671862, 348538604492, 1006539781078, 2827014674081, 7738495452714, 20683325376064, 54066855041446, 138427417637249, 347584258977384
Name: Expansion of Product_{m>=1} (1+q^m)^26.

Sequence: A022591

$$\frac{2^{5/8}}{16\, e^{-\frac{9\pi}{8}}}$$

Printed: 1/16/exp(-9/8*Pi)*2^(5/8)
Value: 3.30329349941981061192282
Number of terms: 512
Offset: 0

Sequence: 1, 27, 378, 3681, 28134, 180144, 1005957, 5032422, 22986801, 97229361, 384953553, 1438738443, 5110502256, 17348445108, 56541857409, 177611637141, 539501563962, 1589134470966, 4550281700055, 12692702415312, 34556103662778, 91975719684573, 239686155975618
Name: Expansion of Product_{m>=1} (1+q^m)^27.

Sequence: A022592

$$\frac{\sqrt{2}}{16\, e^{-\frac{7\pi}{6}}}$$

Printed: 1/16/exp(-7/6*Pi)*2^(1/2)
Value: 3.45276823834508357193590
Number of terms: 512
Offset: 0

Sequence: 1, 28, 406, 4088, 32249, 212772, 1222438, 6283400, 29454432, 127721972, 517920340, 1980864312, 7194850761, 24957519216, 83064794746, 266299577040, 825106028411, 2477872472348, 7230302637376, 20543975496576, 56949757063171, 154281017250160, 409072030569524
Name: Expansion of Product_{m>=1} (1+q^m)^28.

Sequence: A022593

$$\frac{2^{3/8}}{16\, e^{-\frac{29\pi}{24}}}$$

Printed: 1/16/exp(-29/24*Pi)*2^(3/8)
Value: 3.6090067412473397384037 9
Number of terms: 512
Offset: 0

Sequence: 1, 29, 435, 4524, 36801, 249980, 1476535, 7792619, 37464346, 166445529, 690898842, 2702690003, 10033022642, 35545708813, 120756549637, 394935306099, 1247670362782, 3818503661392, 11350088407317, 32837741707782, 92652254354675, 255382893501050, 688721602753864
Name: Expansion of Product_{m>=1} (1+q^m)^29.

Sequence: A022594

$$\frac{2^{1/4}}{16\, e^{-\frac{5\pi}{4}}}$$

Printed: 1/16/exp(-5/4*Pi)*2^(1/4)
Value: 3.77231506989638228035254
Number of terms: 512
Offset: 0

Sequence: 1, 30, 465, 4990, 41820, 292236, 1773325, 9603210, 47322525, 215286380, 914269641, 3656192760, 13865226845, 50148901590, 173821904265, 579696375972, 1866529110420, 5819476726230, 17613901516660, 51870170192610, 148909462006422, 417468856858550,

1144709400114480
Name: Expansion of Product_{m>=1} (1+q^m)^30.

Sequence: A022595

$$\frac{2^{1/8}}{16\, e^{-\frac{31\pi}{24}}}$$

Printed: 1/16/exp(-31/24*Pi)*2^(1/8)
Value: 3.94301313542270374270887
Number of terms: 512
Offset: 0

Sequence: 1, 31, 496, 5487, 47337, 340039, 2118385, 11763911, 59384158, 276491170, 1200703594, 4906332242, 18998567031, 70120824201, 247873586247, 842625902072, 2764160465375, 8776228494225, 27038961793349, 81019542614568, 236575764828149, 674366427736330, 1879524499776454
Name: Expansion of Product_{m >=1} (1+q^m)^31.

Sequence: A022596

$$\frac{1}{16\, e^{-\frac{4\pi}{3}}}$$

Printed: 1/16/exp(-4/3*Pi)
Value: 4.12143532500402591628140
Number of terms: 512
Offset: 0

Sequence: 1, 32, 528, 6016, 53384, 393920, 2517824, 14329600, 74059812, 352722720, 1565583648, 6533812352, 25823152256, 97218393280, 350348856704, 1213526698240, 4054279504266, 13103911398400, 41081428394096, 125210147216000, 371754750363712, 1077136199182976, 3050503922469440
Name: Expansion of Product_{m>=1} (1+q^m)^32.

Sequence: A022597

$$\frac{2^{1/4}}{e^{\frac{\pi}{12}}}$$

Printed: 1/exp(1/12*Pi)*2^(1/4)
Value: .915291584708464979505504
Number of terms: 512
Offset: 0

Sequence: 1, -2, 1, -2, 4, -4, 5, -6, 9, -12, 13, -16, 21, -26, 29, -36, 46, -54, 62,

-74, 90, -106, 122, -142, 171, -200, 227, -264, 311, -358, 408, -470, 545, -626, 709, -810, 933, -1062, 1198, -1362, 1555, -1760, 1980, -2238, 2536, -2858, 3205, -3602, 4063, -4560, 5092, -5704, 6400, -7150, 7966
Name: Expansion of Product_{m >= 1} (1 + q^m)^(-2).

Sequence: A022598

$$\frac{2^{3/8}}{e^{\frac{\pi}{8}}}$$

Printed: 1/exp(1/8*Pi)*2^(3/8)
Value: .875667445113630255639015
Number of terms: 512
Offset: 0

Sequence: 1, -3, 3, -4, 9, -12, 15, -21, 30, -43, 54, -69, 94, -123, 153, -193, 252, -318, 391, -486, 609, -754, 918, -1119, 1376, -1680, 2019, -2432, 2946, -3540, 4220, -5034, 6015, -7157, 8463, -9999, 11835, -13956, 16374, -19206
Name: Expansion of Product_{m>=1} (1+q^m)^(-3).

Sequence: A022599

$$\frac{\sqrt{2}}{e^{\frac{\pi}{6}}}$$

Printed: 1/exp(1/6*Pi)*2^(1/2)
Value: .837758685038133123102161
Number of terms: 512
Offset: 0

Sequence: 1, -4, 6, -8, 17, -28, 38, -56, 84, -124, 172, -232, 325, -448, 594, -784, 1049, -1388, 1796, -2320, 3005, -3864, 4912, -6216, 7877, -9940, 12430, -15488, 19309, -23972, 29580, -36408, 44766, -54876, 66978, -81536, 99150, -120272, 145374, -175344, 211242
Name: Expansion of Product_{m>=1} (1+q^m)^(-4).

Sequence: A022600

$$\frac{2^{5/8}}{e^{\frac{5\pi}{24}}}$$

Printed: 1/exp(5/24*Pi)*2^(5/8)
Value: .801491043515667415230227
Number of terms: 512
Offset: 0

Sequence: 1, -5, 10, -15, 30, -56, 85, -130, 205, -315, 465, -665, 960, -1380, 1925, -2651, 3660, -5020, 6775, -9070, 12126, -16115, 21220, -27765, 36235,

-47101, 60810, -78115, 100105, -127825, 162391, -205530, 259475, -326565
Name: Expansion of Product_{m>=1} (1+q^m)^(-5).

Sequence: A022601

$$\frac{2^{3/4}}{e^{\frac{\pi}{4}}}$$

Printed: 1/exp(1/4*Pi)*2^(3/4)
Value: .766793474431832656273141
Number of terms: 512
Offset: 0

Sequence: 1, -6, 15, -26, 51, -102, 172, -276, 453, -728, 1128, -1698, 2539, -3780, 5505, -7882, 11238, -15918, 22259, -30810, 42438, -58110, 78909, -106392, 142770, -190698, 253179, -334266, 439581, -575784, 750613, -974316, 1260336, -1624702, 2086530, -2670162
Name: Expansion of Product_{m>=1} (1+q^m)^(-6).

Sequence: A022602

$$\frac{2^{7/8}}{e^{\frac{7\pi}{24}}}$$

Printed: 1/exp(7/24*Pi)*2^(7/8)
Value: .733598007349096493021428
Number of terms: 512
Offset: 0

Sequence: 1, -7, 21, -42, 84, -175, 322, -547, 931, -1561, 2527, -3976, 6167, -9485, 14336, -21280, 31304, -45696, 65940, -94122, 133371, -187734, 262143, -363265, 500381, -685503, 933506, -1263794, 1702590, -2283379, 3047597
Name: Expansion of Product_{m>=1} (1+q^m)^(-7).

Sequence: A022604

$$\frac{2\,2^{1/8}}{e^{\frac{3\pi}{8}}}$$

Printed: 2/exp(3/8*Pi)*2^(1/8)
Value: .671456082685526667308286
Number of terms: 512
Offset: 0

Sequence: 1, -9, 36, -93, 207, -459, 957, -1827, 3357, -6061, 10620, -18045, 30006, -49122, 79128, -125247, 195435, -301599, 460167, -694026, 1036368, -1534305, 2252277, -3278709, 4736973, -6797196, 9689103, -13722487
Name: Expansion of Product_{m>=1} (1+q^m)^(-9).

Sequence: A022605

$$\frac{2\,2^{1/4}}{e^{\frac{5\pi}{12}}}$$

Printed: 2/exp(5/12*Pi)*2^(1/4)
Value: .64238789283583347821388 6
Number of terms: 512
Offset: 0

Sequence: 1, -10, 45, -130, 310, -712, 1555, -3130, 5990, -11190, 20316, -35750, 61405, -103570, 171730, -279782, 448785, -710830, 1112515, -1720550, 2632389, -3989480, 5992085, -8921670, 13176300, -19316144, 28118360, -40654520
Name: Expansion of Product_{m>=1} (1+q^m)^(-10).

Sequence: A022606

$$\frac{2\,2^{3/8}}{e^{\frac{11\pi}{24}}}$$

Printed: 2/exp(11/24*Pi)*2^(3/8)
Value: .61457810198337379705349 0
Number of terms: 512
Offset: 0

Sequence: 1, -11, 55, -176, 451, -1078, 2453, -5181, 10329, -19954, 37455, -68135, 120725, -209583, 357258, -598136, 985072, -1599807, 2565365, -4063191, 6362323, -9860851, 15138013, -23027730, 34729959, -51965067, 77174735
Name: Expansion of Product_{m>=1} (1+q^m)^(-11).

Sequence: A022608

$$\frac{2\,2^{5/8}}{e^{\frac{13\pi}{24}}}$$

Printed: 2/exp(13/24*Pi)*2^(5/8)
Value: .56251816489148280679536 2
Number of terms: 512
Offset: 0

Sequence: 1, -13, 78, -299, 884, -2314, 5681, -13052, 28158, -58136, 116129, -224692, 422214, -774372, 1390948, -2450565, 4240561, -7221383, 12121980, -20076953, 32836752, -53089309, 84922877, -134488770, 210979548
Name: Expansion of Product_{m>=1} (1+q^m)^(-13).

Sequence: A022609

$$\frac{2\,2^{3/4}}{e^{\frac{7\pi}{12}}}$$

Printed: 2/exp(7/12*Pi)*2^(3/4)
Value: .538166036386565032184292
Number of terms: 512
Offset: 0

Sequence: 1, -14, 91, -378, 1197, -3290, 8386, -20008, 44800, -95578, 196679, -391692, 756798, -1424934, 2624119, -4735878, 8388919, -14611226, 25065397, -42400456, 70790195, -116765126, 190454404, -307408346, 491306907
Name: Expansion of Product_{m>=1} (1+q^m)^(-14).

Sequence: A022610

$$\frac{2\,2^{7/8}}{e^{\frac{5\pi}{8}}}$$

Printed: 2/exp(5/8*Pi)*2^(7/8)
Value: .514868142570822906501812
Number of terms: 512
Offset: 0

Sequence: 1, -15, 105, -470, 1590, -4593, 12160, -30075, 69780, -153750, 325728, -667020, 1323915, -2557140, 4824630, -8912759, 16148505, -28746945, 50364835, -86956260, 148098384, -249060745, 413975085, -680602545
Name: Expansion of Product_{m>=1} (1+q^m)^(-15).

Sequence: A022611

$$\frac{4}{e^{\frac{2\pi}{3}}}$$

Printed: 4/exp(2/3*Pi)
Value: .492578844280532534566132
Number of terms: 512
Offset: 0

Sequence: 1, -16, 120, -576, 2076, -6304, 17344, -44416, 106630, -242480, 528608, -1112128, 2265656, -4486112, 8666112, -16376192, 30328593, -55145872, 98613424, -173670400, 301550788, -516747872, 874774016, -1464096000
Name: Expansion of Product_{m>=1} (1+q^m)^(-16).

Sequence: A022612

$$\frac{4\,2^{1/8}}{e^{\frac{17\pi}{24}}}$$

Printed: 4/exp(17/24*Pi)*2^(1/8)
Value: .471254478129552378350004
Number of terms: 512
Offset: 0

Sequence: 1, -17, 136, -697, 2669, -8517, 24361, -64549, 160140, -375564, 842078, -1818932, 3800537, -7709449, 15239497, -29440226, 55697542, -103382254, 188589925, -338602243, 599066162, -1045509435, 1801660255, -3068201310
Name: Expansion of Product_{m>=1} (1+q^m)^(-17).

Sequence: A022613

$$\frac{4\,2^{1/4}}{e^{\frac{3\pi}{4}}}$$

Printed: 4/exp(3/4*Pi)*2^(1/4)
Value: .450853270975392824744628
Number of terms: 512
Offset: 0

Sequence: 1, -18, 153, -834, 3384, -11340, 33729, -92430, 236727, -572120, 1318743, -2922948, 6259641, -13000770, 26283159, -51879720, 100210041, -189775800, 352975681, -645780060, 1163610432, -2067225594, 3624593265, -6277838652
Name: Expansion of Product_{m>=1} (1+q^m)^(-18).

Sequence: A022614

$$\frac{4\,2^{3/8}}{e^{\frac{19\pi}{24}}}$$

Printed: 4/exp(19/24*Pi)*2^(3/8)
Value: .431335258088158647780868
Number of terms: 512
Offset: 0

Sequence: 1, -19, 171, -988, 4237, -14896, 46075, -130549, 344888, -858325, 2032924, -4621313, 10137716, -21545639, 44525987, -89757843, 176925625, -341688495, 647687314, -1206921212, 2213842874, -4001882220, 7136374179
Name: Expansion of Product_{m>=1} (1+q^m)^(-19).

Sequence: A022615

$$\frac{4\sqrt{2}}{e^{\frac{5\pi}{6}}}$$

Printed: 4/exp(5/6*Pi)*2^(1/2)
Value: .41266220486206227696431 2
Number of terms: 512
Offset: 0

Sequence: 1, -20, 190, -1160, 5245, -19324, 62150, -182040, 495750, -1269620, 3088376, -7197240, 16164595, -35136760, 74192590, -152674048, 306968470, -604298520, 1166898210, -2213813640, 4132159452, -7597272900
Name: Expansion of Product_{m>=1} (1+q^m)^(-20).

Sequence: A022616

$$\frac{4\,2^{5/8}}{e^{\frac{7\pi}{8}}}$$

Printed: 4/exp(7/8*Pi)*2^(5/8)
Value: .394797531916145465152079
Number of terms: 512
Offset: 0

Sequence: 1, -21, 210, -1351, 6426, -24780, 82845, -250806, 703731, -1853481, 4628337, -11052867, 25403952, -56451192, 121738767, -255623851, 524037507, -1051143723, 2066899387, -3990768663, 7577013360, -14163858895
Name: Expansion of Product_{m>=1} (1+q^m)^(-21).

Sequence: A022617

$$\frac{4\,2^{3/4}}{e^{\frac{11\pi}{12}}}$$

Printed: 4/exp(11/12*Pi)*2^(3/4)
Value: .377706243437486203499608
Number of terms: 512
Offset: 0

Sequence: 1, -22, 231, -1562, 7799, -31438, 109208, -341660, 987327, -2672868, 6848490, -16752958, 39388481, -89439944, 196910681, -421739450, 881199561, -1800336692, 3603535166, -7078509064, 13665905671
Name: Expansion of Product_{m>=1} (1+q^m)^(-22).

Sequence: A022618

$$\frac{4\,2^{7/8}}{e^{\frac{23\pi}{24}}}$$

Printed: 4/exp(23/24*Pi)*2^(7/8)
Value: .361354858626519563331260
Number of terms: 512
Offset: 0

Sequence: 1, -23, 253, -1794, 9384, -39491, 142462, -460483, 1370041, -3810479, 10013533, -25082512, 60303171, -139870107, 314254704, -686285914, 1461009887, -3039222369, 6190256915, -12366732828, 24269855093
Name: Expansion of Product_{m>=1} (1+q^m)^(-23).

Sequence: A022620

$$\frac{8\,2^{1/8}}{e^{\frac{25\pi}{24}}}$$

Printed: 8/exp(25/24*Pi)*2^(1/8)
Value: .330745061194370418039502
Number of terms: 512
Offset: 0

Sequence: 1, -25, 300, -2325, 13275, -60655, 235525, -811975, 2558575, -7502175, 20713560, -54345175, 136483700, -329961200, 771284950, -1749490965, 3862641850, -8322360350, 17536187475, -36204137625, 73353404555, -146061623800, 286183499350, -552361219950, 1051231017350
Name: Expansion of Product_{m>=1} (1+q^m)^(-25).

Sequence: A022621

$$\frac{8\,2^{1/4}}{e^{\frac{13\pi}{12}}}$$

Printed: 8/exp(13/12*Pi)*2^(1/4)
Value: .316426685832881440226936
Number of terms: 512
Offset: 0

Sequence: 1, -26, 325, -2626, 15626, -74256, 298831, -1063426, 3447132, -10372882, 29340142, -78744042, 202029633, -498419898, 1187802148, -2744629914, 6168519890, -13520237380, 28964225680, -60763817556, 125042511217, -252773944748, 502601225828, -984061449124, 1899179853506
Name: Expansion of Product_{m>=1} (1+q^m)^(-26).

Sequence: A022622

$$\frac{8\,2^{3/8}}{e^{\frac{9\pi}{8}}}$$

Printed: 8/exp(9/8*Pi)*2^(3/8)
Value: .302728171195093524810738
Number of terms: 512
Offset: 0

Sequence: 1, -27, 351, -2952, 18279, -90234, 376065, -1380861, 4603419, -14211732, 41168493, -112989411, 296067411, -745157691, 1809973404, -4259279106, 9741879531, -21715736634, 47285714262, -100777640049, 210581729640, -432065248731, 871606288422, -1730764207107, 3386501241606
Name: Expansion of Product_{m>=1} (1+q^m)^(-27).

Sequence: A022623

$$\frac{8\sqrt{2}}{e^{\frac{7\pi}{6}}}$$

Printed: 8/exp(7/6*Pi)*2^(1/2)
Value: .289622682720025638203093
Number of terms: 512
Offset: 0

Sequence: 1, -28, 378, -3304, 21259, -108892, 469630, -1778536, 6096125, -19303088, 57249374, -160633424, 429762354, -1103189388, 2730461208, -6542033848, 15223719392, -34504452668, 76349114366, -165267288816, 350579820199, -729912979244, 1493568080228, -3007227042624, 5964244118126
Name: Expansion of Product_{m>=1} (1+q^m)^(-28).

Sequence: A022624

$$\frac{8\,2^{5/8}}{e^{\frac{29\pi}{24}}}$$

Printed: 8/exp(29/24*Pi)*2^(5/8)
Value: .277084547549052632953638
Number of terms: 512
Offset: 0

Sequence: 1, -29, 406, -3683, 24592, -130558, 582233, -2273136, 8008524, -26002734, 78934897, -226364662, 618201990, -1618116248, 4079918534, -9950307189, 23552872174, -54265164588, 121990316096, -268139308160, 577310455320, -1219428331519, 2530473842822, -5165078293276,

10381346324862
Name: Expansion of Product_{m>=1} (1+q^m)^(-29).

Sequence: A022625

$$\frac{8\,2^{3/4}}{e^{\frac{5\pi}{4}}}$$

Printed: 8/exp(5/4*Pi)*2^(3/4)
Value: .265089204234329222889094
Number of terms: 512
Offset: 0

Sequence: 1, -30, 435, -4090, 28305, -155586, 716910, -2884080, 10440930, -34752790, 107952705, -316326840, 881621260, -2352438330, 6041102175, -14993771926, 36092874960, -84513784620, 192981056950, -430636738770, 940848408276
Name: Expansion of Product_{m>=1} (1+q^m)^(-30).

Sequence: A022626

$$\frac{8\,2^{7/8}}{e^{\frac{31\pi}{24}}}$$

Printed: 8/exp(31/24*Pi)*2^(7/8)
Value: .253613154624400400416130
Number of terms: 512
Offset: 0

Sequence: 1, -31, 465, -4526, 32426, -184357, 877052, -3633851, 13513458, -46099108, 146495398, -438514468, 1246964119, -3391183930, 8867709030, -22393552057, 54808232438, -130404256148, 302394884204, -684929956630, 1518203338688
Name: Expansion of Product_{m>=1} (1+q^m)^(-31).

Sequence: A022627

$$\frac{16}{e^{\frac{4\pi}{3}}}$$

Printed: 16/exp(4/3*Pi)
Value: .24263391783274511924065 6
Number of terms: 512
Offset: 0

Sequence: 1, -32, 496, -4992, 36984, -217280, 1066432, -4548352, 17369116, -60711456, 197327712, -603261056, 1749861312, -4849210560, 12909347456, -33162318080, 82507571334, -199432268416, 469559849680, -

1079335967872
Name: Expansion of Product_{m>=1} (1+q^m)^(-32).

Sequence: A023003

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^4\sqrt{2}}{\pi\,e^{\frac{\pi}{6}}}$$

Printed: 2/Pi*GAMMA(3/4)^4/exp(1/6*Pi)*2^(1/2)
Value: 1.20263612122762430700800
Number of terms: 512
Offset: 0

Sequence: 1, 4, 14, 40, 105, 252, 574, 1240, 2580, 5180, 10108, 19208, 35693, 64960, 116090, 203984, 353017, 602348, 1014580, 1688400, 2778517, 4524760, 7296752, 11658920, 18468245, 29015700, 45235414, 70005376, 107585845, 164245380, 249162620, 375704920, 563251038
Name: Number of partitions of n into parts of 4 kinds.

Sequence: A023004

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^5 2^{7/8}}{\pi^{5/4}\,e^{\frac{5\pi}{24}}}$$

Printed: 2/Pi^(5/4)*GAMMA(3/4)^5/exp(5/24*Pi)*2^(7/8)
Value: 1.25941193516900812880157
Number of terms: 512
Offset: 0

Sequence: 1, 5, 20, 65, 190, 506, 1265, 2990, 6765, 14725, 31027, 63505, 126730, 247170, 472295, 885723, 1633000, 2963840, 5302075, 9358470, 16313440, 28107365, 47902010, 80803485, 134992865, 223474667, 366772720, 597049255, 964375855, 1546208695, 2461649861, 3892774130
Name: Number of partitions of n into parts of 5 kinds.

Sequence: A023005

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^6 2^{1/4}}{\pi^{3/2}\,e^{\frac{\pi}{4}}}$$

Printed: 4/Pi^(3/2)*GAMMA(3/4)^6/exp(1/4*Pi)*2^(1/4)
Value: 1.3188681051979973713074 0
Number of terms: 512
Offset: 0

Sequence: 1, 6, 27, 98, 315, 918, 2492, 6372, 15525, 36280, 81816, 178794, 380051, 788004, 1597725, 3174210, 6190182, 11867310, 22395359, 41650050, 76413078, 138421358, 247783113, 438616728, 768291650, 1332444330, 2289213495, 3898064226, 6581591157, 11023247880
Name: Number of partitions of n into parts of 6 kinds.

Sequence: A023006

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^7 2^{5/8}}{\pi^{7/4}\, e^{\frac{7\pi}{24}}}$$

Printed: 4/Pi^(7/4)*GAMMA(3/4)^7/exp(7/24*Pi)*2^(5/8)
Value: 1.38113116950502256931048
Number of terms: 512
Offset: 0

Sequence: 1, 7, 35, 140, 490, 1547, 4522, 12405, 32305, 80465, 192899, 447146, 1006145, 2204475, 4715510, 9869132, 20247710, 40786690, 80782800, 157510780, 302666903, 573720808, 1073720305, 1985506775, 3630307835, 6567206471, 11760658378, 20860415590, 36665885170, 63891010155, 110415782785, 189320804673, 322174588225
Name: Number of partitions of n into parts of 7 kinds.

Sequence: A023007

$$\frac{8\,\Gamma\left(\frac{3}{4}\right)^8}{\pi^2\, e^{\frac{\pi}{3}}}$$

Printed: 8/Pi^2*GAMMA(3/4)^8/exp(1/3*Pi)
Value: 1.44633364008142506830266
Number of terms: 512
Offset: 0

Sequence: 1, 8, 44, 192, 726, 2464, 7704, 22528, 62337, 164560, 417140, 1020416, 2418710, 5573568, 12520744, 27484160, 59068372, 124505880, 257770964, 524871424, 1052316364, 2079491744, 4053978040, 7803219968, 14840711765, 27907041392, 51917588800, 95608651776
Name: Number of partitions of n into parts of 8 kinds.

Sequence: A023008

$$\frac{8\,\Gamma\left(\frac{3}{4}\right)^9 2^{3/8}}{\pi^{9/4}\, e^{\frac{3\pi}{8}}}$$

Printed: 8/Pi^(9/4)*GAMMA(3/4)^9/exp(3/8*Pi)*2^(3/8)
Value: 1.51461428473943218441983
Number of terms: 512
Offset: 0

Sequence: 1, 9, 54, 255, 1035, 3753, 12483, 38709, 113265, 315445, 841842, 2164185, 5382276, 12994290, 30543210, 70066809, 157199805, 345552183, 745377215, 1579915080, 3294664578, 6766656315, 13700560491, 27370137195, 53991639855, 105242612526, 202837976145
Name: Number of partitions of n into parts of 9 kinds.

Sequence: A023009

$$\frac{8\,\Gamma\left(\frac{3}{4}\right)^{10}\,2^{3/4}}{\pi^{5/2}\,e^{\frac{5\pi}{12}}}$$

Printed: 8/Pi^(5/2)*GAMMA(3/4)^10/exp(5/12*Pi)*2^(3/4)
Value: 1.58611842244614593407796
Number of terms: 512
Offset: 0

Sequence: 1, 10, 65, 330, 1430, 5512, 19415, 63570, 195910, 573430, 1605340, 4322110, 11240645, 28341730, 69488650, 166096270, 387890625, 886698670, 1987322415, 4373271870, 9461022285, 20144164040, 42254620785, 87398226990, 178396331100, 359618772656, 716409453320
Name: Number of partitions of n into parts of 10 kinds.

Sequence: A023010

$$\frac{16\,\Gamma\left(\frac{3}{4}\right)^{11}\,2^{1/8}}{\pi^{11/4}\,e^{\frac{11\pi}{24}}}$$

Printed: 16/Pi^(11/4)*GAMMA(3/4)^11/exp(11/24*Pi)*2^(1/8)
Value: 1.66099823260009285811875
Number of terms: 512
Offset: 0

Sequence: 1, 11, 77, 418, 1925, 7854, 29183, 100529, 325193, 997150, 2919411, 8207563, 22259237, 58454165, 149104450, 370410700, 898202998, 2130141651, 4949034937, 11281187225, 25262712629, 55641782779, 120661583781, 257862888360, 543532730675, 1130864017283
Name: Number of partitions of n into parts of 11 kinds.

Sequence: A023011

$$\frac{16\,\Gamma\left(\frac{3}{4}\right)^{13}\,2^{7/8}}{\pi^{13/4}\,e^{\frac{13\pi}{24}}}$$

Printed: 16/Pi^(13/4)*GAMMA(3/4)^13/exp(13/24*Pi)*2^(7/8)
Value: 1.82152984855498324496146
Number of terms: 512
Offset: 0

Sequence: 1, 13, 104, 637, 3276, 14820, 60697, 229372, 810654, 2706366, 8600501, 26173966, 76654656, 216903064, 594973106, 1586553501, 4122693185, 10461067253, 25967050382, 63154957281, 150708128116, 353304272945, 814564136529, 1848834255034, 4134822087942
Name: Number of partitions of n into parts of 13 kinds.

Sequence: A023012

$$\frac{32\,\Gamma\left(\frac{3}{4}\right)^{14}\,2^{1/4}}{\pi^{7/2}\,e^{\frac{7\pi}{12}}}$$

Printed: 32/Pi^(7/2)*GAMMA(3/4)^14/exp(7/12*Pi)*2^(1/4)
Value: 1.90752330737831138430138
Number of terms: 512
Offset: 0

Sequence: 1, 14, 119, 770, 4165, 19754, 84602, 333608, 1228080, 4263770, 14071827, 44420796, 134793918, 394805110, 1119974875, 3086034350, 8280022023, 21678277754, 55486209625, 139065013640, 341779759755, 824753397814, 1956347387428
Name: Number of partitions of n into parts of 14 kinds.

Sequence: A023013

$$\frac{32\,\Gamma\left(\frac{3}{4}\right)^{15}\,2^{5/8}}{\pi^{15/4}\,e^{\frac{5\pi}{8}}}$$

Printed: 32/Pi^(15/4)*GAMMA(3/4)^15/exp(5/8*Pi)*2^(5/8)
Value: 1.99757647182011499076484
Number of terms: 512
Offset: 0

Sequence: 1, 15, 135, 920, 5220, 25893, 115700, 475065, 1817910, 6551390, 22414314, 73265580, 229972855, 696109950, 2039031360, 5796944357, 16036186005, 43259046975, 114012183695, 294067720380, 743368453326, 1844121021245, 4494803760045

Name: Number of partitions of n into parts of 15 kinds.

Sequence: A023014

$$\frac{64\,\Gamma\left(\frac{3}{4}\right)^{16}}{\pi^4\, e^{\frac{2\pi}{3}}}$$

Printed: 64/Pi^4*GAMMA(3/4)^16/exp(2/3*Pi)
Value: 2.09188099843118523085746
Number of terms: 512
Offset: 0

Sequence: 1, 16, 152, 1088, 6460, 33440, 155584, 663936, 2636326, 9845040, 34861152, 117809728, 381946360, 1193074144, 3603543040, 10556065152, 30068145905, 83466484112, 226236086512, 599785472000, 1557643542308, 3967888347232, 9926348625408, 24413219138816
Name: Number of partitions of n into parts of 16 kinds.

Sequence: A023015

$$\frac{64\,\Gamma\left(\frac{3}{4}\right)^{17}\, 2^{3/8}}{\pi^{17/4}\, e^{\frac{17\pi}{24}}}$$

Printed: 64/Pi^(17/4)*GAMMA(3/4)^17/exp(17/24*Pi)*2^(3/8)
Value: 2.19063759176650697441218
Number of terms: 512
Offset: 0

Sequence: 1, 17, 170, 1275, 7905, 42619, 206091, 912475, 3753600, 14503040, 53073898, 185172670, 619237835, 1993524975, 6200890505, 18693654410, 54763023032, 156250892610, 435071511875, 1184288668525, 3156320339542, 8247548150893, 21155326555195, 53326448236250
Name: Number of partitions of n into parts of 17 kinds.

Sequence: A023016

$$\frac{64\,\Gamma\left(\frac{3}{4}\right)^{18}\, 2^{3/4}}{\pi^{9/2}\, e^{\frac{3\pi}{4}}}$$

Printed: 64/Pi^(9/2)*GAMMA(3/4)^18/exp(3/4*Pi)*2^(3/4)
Value: 2.29405643153674175368995
Number of terms: 512
Offset: 0

Sequence: 1, 18, 189, 1482, 9576, 53676, 269325, 1235286, 5256711, 20985272, 79260723, 285139764, 982349361, 3255488082, 10416507579, 32281134120, 97154549289, 284625019800, 813310723925, 2270826800172, 6204926551824, 16615751700618
Name: Number of partitions of n into parts of 18 kinds.

Sequence: A023018

$$\frac{128\,\Gamma\left(\frac{3}{4}\right)^{20}\sqrt{2}}{\pi^5\,e^{\frac{5\pi}{6}}}$$

Printed: 128/Pi^5*GAMMA(3/4)^20/exp(5/6*Pi)*2^(1/2)
Value: 2.51577165002305065408204
Number of terms: 512
Offset: 0

Sequence: 1, 20, 230, 1960, 13685, 82524, 443870, 2175800, 9869990, 41907380, 168012824, 640438680, 2334121995, 8171039800, 27580783270, 90058003200, 285253928790, 878572253720, 2636748302650, 7725084195240, 22130265931900, 62079251390180
Name: Number of partitions of n into parts of 20 kinds.

Sequence: A023019

$$\frac{128\,\Gamma\left(\frac{3}{4}\right)^{21}2^{7/8}}{\pi^{21/4}\,e^{\frac{7\pi}{8}}}$$

Printed: 128/Pi^(21/4)*GAMMA(3/4)^21/exp(7/8*Pi)*2^(7/8)
Value: 2.63453989637749584915803
Number of terms: 512
Offset: 0

Sequence: 1, 21, 252, 2233, 16170, 100926, 560945, 2837418, 13266099, 57994475, 239170239, 937026279, 3507380170, 12601619226, 43628951025, 146036139347, 473924014599, 1494785958435, 4591920193357, 13764656869425, 40328218603134
Name: Number of partitions of n into parts of 21 kinds.

Sequence: A023020

$$\frac{256\,\Gamma\left(\frac{3}{4}\right)^{22}2^{1/4}}{\pi^{11/2}\,e^{\frac{11\pi}{12}}}$$

Printed: 256/Pi^(11/2)*GAMMA(3/4)^22/exp(11/12*Pi)*2^(1/4)

Value: 2.75891512870063217710218
Number of terms: 512
Offset: 0

Sequence: 1, 22, 275, 2530, 18975, 122430, 702328, 3661900, 17627775, 79264900, 335937954, 1351507830, 5191041625, 19125838600, 67862904725, 232671319474, 773027485065, 2494957906100, 7839428942950, 24025993453000, 71941861591215
Name: Number of partitions of n into parts of 22 kinds.

Sequence: A025233

$$\frac{1}{64\, e^{-2\pi}}$$

Printed: 1/64/exp(-2*Pi)
Value: 8.3670571175744490078600 6
Number of terms: 512
Offset: 0

Sequence: 1, 48, 1176, 19648, 252204, 2655456, 23901760, 189208704, 1344644814, 8713158928, 52107076128, 290374290624, 1519725061816, 7518508799904, 35352238216704, 158716136933504, 683059486979301, 2827559773199856
Name: Expansion of Product_{m>=1} (1 + q^m)^48.

Sequence: A029552

$$\frac{2^{3/8}}{e^{\frac{\pi}{24}}}$$

Printed: 1/exp(1/24*Pi)*2^(3/8)
Value: 1.13772482289026011594338
Number of terms: 512
Offset: 0

Sequence: 1, 3, 4, 7, 13, 19, 29, 43, 62, 90, 126, 174, 239, 325, 435, 580, 769, 1007, 1313, 1702, 2191, 2808, 3580, 4539, 5735, 7216, 9036, 11278, 14028, 17383, 21474, 26448, 32471, 39759, 48550, 59123, 71829, 87053, 105249, 126975, 152858, 183623
Name: Expansion of phi(x) / f(-x) in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A029769

$$\frac{\pi^{9/4}}{64\,\Gamma\left(\frac{3}{4}\right)^9\, e^{-\pi}}$$

Printed: 1/64*Pi^(9/4)/GAMMA(3/4)^9/exp(-Pi)

Value: .762481716239479072651334
Number of terms: 512
Offset: 1

Sequence: 1, -6, 12, -8, 0, 12, -48, 48, -15, 60, -12, -96, 0, -120, 240, 64, 96, -234, -156, 0, 0, 444, -240, -96, -335, 420, 144, 384, 0, -600, -480, -384, 672, -264, 840, 120, 0, -348, 912, -480, -768, -168, -684, 96, 0, 1416, -672, 768, 673, 510, -2328, 0, 0, 144, 1200, 960, -1248, -1332, 1500, -1920
Name: Expansion of eta(q^2)^12 / theta_3(q)^3 in powers of q.

Sequence: A029838

$$\frac{2^{5/8}}{e^{\frac{\pi}{8}}}$$

Printed: 1/exp(1/8*Pi)*2^(5/8)
Value: 1.04134995610538383302568
Number of terms: 512
Offset: 0

Sequence: 1, 1, -1, 0, 1, 0, -1, -1, 2, 1, -2, -1, 2, 1, -3, -1, 4, 2, -5, -2, 5, 2, -6, -3, 8, 4, -9, -4, 10, 4, -12, -6, 15, 7, -17, -7, 19, 8, -22, -10, 26, 12, -30, -13, 33, 14, -38, -17, 45, 21, -51, -22, 56, 24, -64, -29, 74, 33, -83, -36, 92, 40, -104, -46, 119, 53, -133, -58, 147, 63, -165, -73, 187, 83, -208, -90, 229, 99, -256
Name: Expansion of square root of q times normalized Hauptmodul for Gamma(4) in powers of q^8.

Sequence: A029839

$$\frac{2\,2^{1/4}}{e^{\frac{\pi}{4}}}$$

Printed: 2/exp(1/4*Pi)*2^(1/4)
Value: 1.08440973108068483577992
Number of terms: 512
Offset: 0

Sequence: 1, 2, -1, -2, 3, 2, -4, -4, 5, 8, -8, -10, 11, 12, -15, -18, 22, 26, -29, -34, 38, 42, -51, -56, 66, 78, -85, -98, 109, 120, -139, -156, 176, 202, -222, -250, 279, 306, -346, -384, 429, 482, -530, -590, 650, 714, -797, -876, 972, 1080, -1180, -1304, 1431, 1562, -1728, -1892, 2078, 2290, -2496
Name: McKay-Thompson series of class 16B for the Monster group.

Sequence: A029840

$$\frac{2\,2^{7/8}}{e^{\frac{3\pi}{8}}}$$

Printed: 2/exp(3/8*Pi)*2^(7/8)
Value: 1.12925002586112224022092
Number of terms: 512
Offset: 0

Sequence: 1, 3, 0, -5, 3, 9, -7, -15, 9, 27, -12, -45, 22, 66, -36, -99, 51, 153, -73, -222, 108, 311, -159, -441, 221, 624, -297, -863, 414, 1170, -575, -1584, 765, 2144, -1014, -2862, 1361, 3774, -1809, -4964, 2361, 6516, -3063, -8481
Name: Expansion of Product_{m>=1} ((1+q^(2*m-1))/(1+q^(2*m)))^3.

Sequence: A029841

$$\frac{4\sqrt{2}}{e^{\frac{\pi}{2}}}$$

Printed: 4/exp(1/2*Pi)*2^(1/2)
Value: 1.17594446486248320313428
Number of terms: 512
Offset: 0

Sequence: 1, 4, 2, -8, -1, 20, -2, -40, 3, 72, 2, -128, -4, 220, -4, -360, 5, 576, 8, -904, -8, 1384, -10, -2088, 11, 3108, 12, -4552, -15, 6592, -18, -9448, 22, 13392, 26, -18816, -29, 26216, -34, -36224, 38, 49700, 42, -67728, -51, 91688
Name: McKay-Thompson series of class 8E for the Monster group.

Sequence: A029842

$$\frac{8\,2^{1/8}}{e^{\frac{5\pi}{8}}}$$

Printed: 8/exp(5/8*Pi)*2^(1/8)
Value: 1.22456971686691596476718
Number of terms: 512
Offset: 0

Sequence: 1, 5, 5, -10, -10, 31, 20, -75, -40, 150, 84, -280, -165, 520, 290, -935, -495, 1595, 855, -2640, -1424, 4315, 2265, -6925, -3570, 10860, 5605, -16740, -8615, 25520, 12984, -38455, -19390, 57150, 28740, -83961, -42110, 122320
Name: Expansion of Product_{m>=1} ((1+q^(2*m-1))/(1+q^(2*m)))^5.

Sequence: A029843

$$\frac{8\,2^{3/4}}{e^{\frac{3\pi}{4}}}$$

Printed: 8/exp(3/4*Pi)*2^(3/4)
Value: 1.27520562090734524833661
Number of terms: 512
Offset: 0

Sequence: 1, 6, 9, -10, -24, 36, 65, -102, -153, 232, 327, -468, -663, 918, 1287, -1768, -2391, 3240, 4289, -5676, -7488, 9758, 12753, -16524, -21250, 27300, 34758, -44128, -55896, 70380, 88519, -110874, -138285, 172136, 213315
Name: Expansion of Product_{m>=1} ((1+q^(2*m-1))/(1+q^(2*m)))^6.

Sequence: A029844

$$\frac{16\,2^{3/8}}{e^{\frac{7\pi}{8}}}$$

Printed: 16/exp(7/8*Pi)*2^(3/8)
Value: 1.32793531735720271065924
Number of terms: 512
Offset: 0

Sequence: 1, 7, 14, -7, -42, 28, 133, -90, -357, 231, 833, -511, -1792, 1064, 3695, -2163, -7329, 4221, 13923, -7847, -25536, 14161, 45703, -25109, -80010, 43526, 136941, -73654, -229823, 122493, 379582, -200935, -617729, 324751
Name: Expansion of Product_{m>=1} ((1+q^(2*m-1))/(1+q^(2*m)))^7.

Sequence: A029845

$$\frac{32}{e^{\pi}}$$

Printed: 32/exp(Pi)
Value: 1.3828453844407119927813 7
Number of terms: 512
Offset: -1

Sequence: 1, 8, 20, 0, -62, 0, 216, 0, -641, 0, 1636, 0, -3778, 0, 8248, 0, -17277, 0, 34664, 0, -66878, 0, 125312, 0, -229252, 0, 409676, 0, -716420, 0, 1230328, 0, -2079227, 0, 3460416, 0, -5677816, 0, 9198424, 0, -14729608, 0, 23328520, 0, -36567242, 0, 56774712, 0
Name: Expansion of 16/lambda(z) in powers of nome q = exp(Pi*i*z).

Sequence: A029862

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^3\,2^{3/8}}{\pi^{3/4}\,e^{\frac{5\pi}{24}}}$$

Printed: 2/Pi^(3/4)*GAMMA(3/4)^3/exp(5/24*Pi)*2^(3/8)
Value: 1.05113900581674187162521
Number of terms: 512
Offset: 0

Sequence: 1, 1, 4, 5, 14, 18, 41, 54, 109, 145, 267, 357, 618, 826, 1359, 1815, 2872, 3824, 5859, 7774, 11600, 15329, 22362, 29425, 42113, 55167, 77648, 101267, 140479, 182395, 249789, 322906, 437199, 562755, 754171, 966713, 1283630, 1638716, 2157763
Name: Expansion of q^(5/24) / (eta(q) * eta(q^2)^2) in powers of q

Sequence: A030204

$$\frac{\sqrt{\pi}\;2^{1/8}}{2\,\Gamma\left(\frac{3}{4}\right)^2\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/8*Pi)*2^(1/8)
Value: .953132203705218857732710
Number of terms: 512
Offset: 0

Sequence: 1, -1, -2, 1, 0, 2, 1, 0, 0, -2, 1, -2, -2, 0, 2, -1, 0, 2, 0, 2, 0, 1, 0, 0, -2, 0, 0, 0, -1, -2, -2, 0, 2, 0, 0, -2, 3, 0, 0, 2, 0, 0, 2, 0, 2, -1, -2, 0, 0, 0, -2, 2, 0, -2, -2, -1, -2, 2, 0, 0, 0, 0, 0, 0, 0, 2, 1, 0, 0, 0, 0, 2, 2, 0, 2, -2, 0, -2, 1, 0
Name: Expansion of q^(-1/8) * eta(q) * eta(q^2) in powers of q.

Sequence: A030211

$$\frac{\pi^2\sqrt{2}}{16\,\Gamma\left(\frac{3}{4}\right)^8\,e^{-\frac{\pi}{2}}}$$

Printed: 1/16*Pi^2/GAMMA(3/4)^8/exp(-1/2*Pi)*2^(1/2)
Value: .825301384414695993155156
Number of terms: 512
Offset: 0

Sequence: 1, -4, -2, 24, -11, -44, 22, 8, 50, 44, -96, -56, -121, 152, 198, -160, 176, -48, -162, -88, -198, 52, 22, 528, 233, -200, -242, 88, -176, -668, 550, -264, -44, 188, 224, 728, 154, 484, -1056, -656, -311, 236, -100, -792, 714, 528, 640, -88, -478, 484, 1566, -968, 192, -780, -1994, 648, -942
Name: Expansion of q^(-1/2) * (eta(q) * eta(q^2))^4 in powers of q.

Sequence: A030212

$$\frac{\pi^{5/2}}{64\,\Gamma\left(\frac{3}{4}\right)^{10} e^{-\pi}}$$

Printed: 1/64*Pi^(5/2)/GAMMA(3/4)^10/exp(-Pi)
Value: .828386679436237538075433
Number of terms: 512
Offset: 1

Sequence: 1, -4, 0, 16, -14, 0, 0, -64, 81, 56, 0, 0, -238, 0, 0, 256, 322, -324, 0, -224, 0, 0, 0, 0, -429, 952, 0, 0, 82, 0, 0, -1024, 0, -1288, 0, 1296, 2162, 0, 0, 896, -3038, 0, 0, 0, -1134, 0, 0, 0, 2401, 1716, 0, -3808, 2482, 0, 0, 0, 0, -328, 0, 0, -6958, 0, 0, 4096, 3332, 0, 0, 5152, 0, 0
Name: Glaisher's chi_4(n).

Sequence: A033759

$$\frac{\pi^{1/4}}{\Gamma\left(\frac{3}{4}\right)}$$

Printed: Pi^(1/4)/GAMMA(3/4)
Value: 1.08643481121330801457531
Number of terms: 512
Offset: 0

Sequence: 1, 2, 0, 0, 2, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 4, 2, 0, 4, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 4, 2, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0
Name: Expansion of Product_{d | 47} theta_3(q^d).

Sequence: A033761

$$\frac{2^{1/8}\sqrt{\pi}}{4\,\Gamma\left(\frac{3}{4}\right)^{2} e^{-\frac{3\pi}{8}}}$$

Printed: 1/4*2^(1/8)*Pi^(1/2)/GAMMA(3/4)^2/exp(-3/8*Pi)
Value: 1.04524292405130945001413
Number of terms: 512
Offset: 0

Sequence: 1, 1, 1, 2, 0, 1, 2, 1, 1, 1, 1, 0, 3, 1, 0, 2, 1, 1, 1, 0, 1, 3, 1, 2, 0, 0, 1, 2, 1, 0, 3, 1, 0, 2, 1, 1, 2, 0, 1, 0, 2, 1, 2, 1, 0, 3, 0, 1, 3, 0, 0, 2, 1, 0, 0, 1, 2, 4, 1, 1, 0, 1, 1, 1, 0, 1, 3, 1, 1, 0, 1, 1, 2, 1, 0, 3, 0, 1, 4, 0, 1, 0, 1, 0, 2, 1, 1, 2, 0, 0, 2, 2, 1, 3, 0, 0, 2, 2, 1, 0, 2, 1, 0, 1, 0
Name: Product t2(q^d); d | 2, where t2 = theta2(q)/(2*q^(1/4)).

Sequence: A033806

$$\frac{\pi^{1/4}\,2^{3/8}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/8*Pi)*2^(3/8)
Value: 1.04329462429377740146766
Number of terms: 512
Offset: 0

Sequence: 1, 1, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0
Name: Product t2(q^d); d | 47, where t2 = theta2(q)/(2*q^(1/4)).

Sequence: A034952

$$\frac{\pi^{3/2}\,2^{3/4}}{32\,\Gamma\left(\frac{3}{4}\right)^{6}\,e^{-\frac{3\pi}{4}}}$$

Printed: 1/32*Pi^(3/2)/GAMMA(3/4)^6/exp(-3/4*Pi)*2^(3/4)
Value: .911857175483664145562691
Number of terms: 66
Offset: 0

Sequence: 1, -2, -1, 2, -3, 10, 2, -8, -4, -14, 7, 4, 18, -2, -13, 14, 1, 14, -21, -4, -35, -14, 28, -6, 7, 38, 39, -30, 20, -36, -14, 0, 17, 4, -49, 14, -15, -22, -16, 66, -39, -10, 21, 42, 69, 82, -18, -80, -28, -50, 28, -70, -35, 14, 66, -56, 41, -32, 8, 52, -77, 42, 3, 36, 60
Name: Expansion of eta(16z)^4*eta(4z)^2.

Sequence: A035016

$$\frac{\pi^{2}}{4\,\Gamma\left(\frac{3}{4}\right)^{8}}$$

Printed: 1/4*Pi^2/GAMMA(3/4)^8
Value: .485254297422903107487468
Number of terms: 512
Offset: 0

Sequence: 1, -16, 112, -448, 1136, -2016, 3136, -5504, 9328, -12112, 14112, -21312, 31808, -35168, 38528, -56448, 74864, -78624, 84784, -109760, 143136, -154112, 149184, -194688, 261184, -252016, 246176, -327040, 390784, -390240, 395136, -476672, 599152, -596736

Name: Fourier coefficients of E_{0,4}.

Sequence: A035036

$$\frac{3\,\pi^3}{8\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 3/8*Pi^3/GAMMA(3/4)^12
Value: 1.01408729109967623975066
Number of terms: 512
Offset: 0

Sequence: 1, 8, -248, 1952, -8440, 25008, -60512, 134464, -270584, 474344, -775248, 1288416, -2059360, 2970352, -4168384, 6101952, -8659192, 11358864, -14704664, 19808800, -26383440, 32809216, -39940896, 51490752, -66022496, 78150008, -92080912, 115265600, -141859520
Name: Fourier coefficients of E_{gamma,2}*E_{0,4}.

Sequence: A035099

$$\frac{72}{e^{\pi}}$$

Printed: 72/exp(Pi)
Value: 3.11140211499160198375809
Number of terms: 512
Offset: -1

Sequence: 1, 40, 276, -2048, 11202, -49152, 184024, -614400, 1881471, -5373952, 14478180, -37122048, 91231550, -216072192, 495248952, -1102430208, 2390434947, -5061476352, 10487167336, -21301241856, 42481784514, -83300614144
Name: McKay-Thompson series of class 2B for the Monster group with a(0) = 40.

Sequence: A035150

$$\frac{\pi^{24}}{68719476736\,\Gamma\left(\frac{3}{4}\right)^{96}\,e^{-4\pi}}$$

Printed: 1/68719476736*Pi^24/GAMMA(3/4)^96/exp(-4*Pi)
Value: .11933783364835668794156 1e-1
Number of terms: 512
Offset: 4

Sequence: 1, -96, 4464, -133760, 2897880, -48264768, 641207744, -6954435840, 62452035180, -467536231520, 2916146241888, -14993052561792, 61695767581248, -187599812159040, 302907998183040, 676931170946304, -7255673126427378, 28908305661771648
Name: Fourier coefficients of (normalized Delta)^4.

Sequence: A035190

$$\frac{\pi^{30}}{35184372088832\,\Gamma\left(\frac{3}{4}\right)^{120}\,e^{-5\pi}}$$

Printed: 1/35184372088832*Pi^30/GAMMA(3/4)^120/exp(-5*Pi)
Value: .39443249544967473853759 9e-2
Number of terms: 512
Offset: 5

Sequence: 1, -120, 7020, -266560, 7379190, -158562144, 2748847640, -39443189760, 476711357265, -4910778324400, 43440479153652, -331129448133120, 2173189785854230, -12199334429782080, 57636170473930920, -220943909849546752, 623388743422483500
Name: Fourier coefficients of (normalized Delta)^5.

Sequence: A035363

$$\frac{\sqrt{2}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{12}}}$$

Printed: 2^(1/2)/Pi^(1/4)*GAMMA(3/4)/exp(1/12*Pi)
Value: 1.00187443701462404338486
Number of terms: 512
Offset: 0

Sequence: 1, 0, 1, 0, 2, 0, 3, 0, 5, 0, 7, 0, 11, 0, 15, 0, 22, 0, 30, 0, 42, 0, 56, 0, 77, 0, 101, 0, 135, 0, 176, 0, 231, 0, 297, 0, 385, 0, 490, 0, 627, 0, 792, 0, 1002, 0, 1255, 0, 1575, 0, 1958, 0, 2436, 0, 3010, 0, 3718, 0, 4565, 0, 5604, 0, 6842, 0, 8349, 0, 10143, 0, 12310, 0
Name: Number of partitions of n into even parts.

Sequence: A035444

$$\frac{2^{7/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{6}}}$$

Printed: 2^(7/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/6*Pi)
Value: 1.00000348736667944964958
Number of terms: 512
Offset: 0

Sequence: 1, 0, 0, 0, 1, 0, 0, 0, 2, 0, 0, 0, 3, 0, 0, 0, 5, 0, 0, 0, 7, 0, 0, 0, 11, 0, 0, 0, 15, 0, 0, 0, 22, 0, 0, 0, 30, 0, 0, 0, 42, 0, 0, 0, 56, 0, 0, 0, 77, 0, 0, 0, 101, 0, 0, 0, 135, 0, 0, 0, 176, 0, 0, 0, 231, 0, 0, 0, 297, 0, 0, 0, 385, 0, 0, 0, 490, 0,

0, 0, 627, 0, 0, 0, 792, 0, 0, 0, 1002, 0
Name: Number of partitions of n into parts 4k.

Sequence: A035457

$$\frac{2^{5/8}}{2\,e^{-\frac{\pi}{12}}}$$

Printed: 1/2/exp(-1/12*Pi)*2^(5/8)
Value: 1.00187094312327988646353
Number of terms: 512
Offset: 0

Sequence: 1, 0, 1, 0, 1, 0, 2, 0, 2, 0, 3, 0, 4, 0, 5, 0, 6, 0, 8, 0, 10, 0, 12, 0, 15, 0, 18, 0, 22, 0, 27, 0, 32, 0, 38, 0, 46, 0, 54, 0, 64, 0, 76, 0, 89, 0, 104, 0, 122, 0, 142, 0, 165, 0, 192, 0, 222, 0, 256, 0, 296, 0, 340, 0, 390, 0, 448, 0, 512, 0, 585, 0, 668, 0, 760, 0, 864, 0, 982, 0
Name: Number of partitions of n into parts of the form 4*k + 2.

Sequence: A045479

$$\frac{24}{e^{\pi}}$$

Printed: 24/exp(Pi)
Value: 1.03713403833053399458603
Number of terms: 512
Offset: -1

Sequence: 1, -8, 276, -2048, 11202, -49152, 184024, -614400, 1881471, -5373952, 14478180, -37122048, 91231550, -216072192, 495248952, -1102430208, 2390434947, -5061476352, 10487167336, -21301241856, 42481784514, -83300614144
Name: McKay-Thompson series of class 2B for the Monster group with a(0) = -8.

Sequence: A045820

$$\frac{\pi^2\sqrt{2}}{4\,\Gamma\left(\frac{3}{4}\right)^8\,e^{-\frac{\pi}{2}}}$$

Printed: 1/4*Pi^2/GAMMA(3/4)^8/exp(-1/2*Pi)*2^(1/2)
Value: 3.30120553765878397262062
Number of terms: 512
Offset: 0

Sequence: 2, 24, 124, 368, 746, 1288, 2220, 3536, 4964, 6904, 9536, 12112, 15630, 20592, 24588, 29632, 37472, 43296, 50492, 61456, 68724, 79560, 95404, 104352, 118226, 137392, 148636, 167920, 191904, 204712
Name: Theta series of D8 lattice with respect to midpoint of edge.

Sequence: A045823

$$\frac{3\,\pi^2\,\sqrt{2}}{16\,\Gamma\left(\frac{3}{4}\right)^8\,e^{-\frac{\pi}{2}}}$$

Printed: 3/16*Pi^2/GAMMA(3/4)^8/exp(-1/2*Pi)*2^(1/2)
Value: 2.47590415324408797946547
Number of terms: 512
Offset: 0

Sequence: 1, 28, 126, 344, 757, 1332, 2198, 3528, 4914, 6860, 9632, 12168, 15751, 20440, 24390, 29792, 37296, 43344, 50654, 61544, 68922, 79508, 95382, 103824, 117993, 137592, 148878, 167832, 192080, 205380, 226982, 260408, 276948, 300764, 340704, 357912
Name: a(n) = sigma_3(2*n+1).

Sequence: A045828

$$\frac{\pi^{3/4}\,\sqrt{2}}{8\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{2}}}$$

Printed: 1/8*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/2*Pi)*2^(1/2)
Value: 1.09049632374384019949040
Number of terms: 512
Offset: 0

Sequence: 1, 2, 2, 4, 3, 2, 6, 4, 4, 6, 4, 4, 7, 8, 2, 8, 8, 4, 10, 4, 4, 10, 10, 8, 9, 4, 6, 12, 8, 6, 10, 12, 4, 14, 8, 4, 16, 10, 8, 8, 9, 10, 12, 12, 8, 12, 12, 4, 20, 10, 6, 20, 8, 6, 10, 12, 8, 20, 18, 8, 11, 12, 12, 16, 8, 6, 20, 16, 12, 14, 8, 12, 20, 14, 6, 12, 20, 8, 26, 12, 8, 22, 8, 12, 15
Name: One fourth of theta series of cubic lattice with respect to face.

Sequence: A045831

$$\frac{2^{7/8}\,\pi^{3/4}}{16\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{5\,\pi}{8}}}$$

Printed: 1/16*2^(7/8)*Pi^(3/4)/GAMMA(3/4)^3/exp(-5/8*Pi)
Value: 1.04719486215975102128990
Number of terms: 512
Offset: 0

Sequence: 1, 1, 2, 3, 1, 3, 3, 3, 4, 4, 2, 2, 7, 3, 5, 6, 2, 4, 7, 3, 4, 7, 5, 8, 5, 4, 4, 8, 5, 6, 7, 2, 9, 11, 3, 8, 9, 4, 6, 5, 7, 5, 14, 7, 4, 10, 5, 10, 11, 3, 9, 10, 5, 8, 10, 4, 6, 15, 8, 9, 10, 6, 8, 15, 6, 10, 6, 5, 15, 9, 6, 8, 14, 8, 6, 13, 5, 16, 18, 7,

8, 7, 9, 6, 15, 6, 12, 17, 5, 8, 15, 7, 12
Name: Number of 4-core partitions of n.

Sequence: A045834

$$\frac{\pi^{3/4}\, 2^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{\pi}{4}}}$$

Printed: 1/4*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/4*Pi)*2^(3/4)
Value: 1.18254482517553318043626
Number of terms: 512
Offset: 0

Sequence: 1, 4, 5, 4, 8, 8, 5, 12, 8, 4, 16, 12, 9, 12, 8, 12, 16, 16, 8, 16, 17, 8, 24, 8, 8, 28, 16, 12, 16, 20, 13, 24, 24, 8, 16, 16, 16, 28, 24, 12, 32, 16, 13, 28, 8, 20, 32, 32, 8, 20, 24, 16, 40, 16, 16, 32, 25, 20, 24, 24, 24, 28, 24, 8, 32, 36, 16, 44, 16, 12, 40, 32, 17, 36, 32
Name: Half of theta series of cubic lattice with respect to edge.

Sequence: A050468

$$\frac{9\,\pi^{5/2}}{256\,\Gamma\left(\frac{3}{4}\right)^{10}\, e^{-\pi}}$$

Printed: 9/256*Pi^(5/2)/GAMMA(3/4)^10/exp(-Pi)
Value: 1.86387002873153446066972
Number of terms: 512
Offset: 1

Sequence: 1, 16, 80, 256, 626, 1280, 2400, 4096, 6481, 10016, 14640, 20480, 28562, 38400, 50080, 65536, 83522, 103696, 130320, 160256, 192000, 234240, 279840, 327680, 391251, 456992, 524960, 614400, 707282, 801280, 923520, 1048576, 1171200
Name: Sum_{d|n, n/d=1 mod 4} d^4 - Sum_{d|n, n/d=3 mod 4} d^4.

Sequence: A050470

$$\frac{\pi^{3/2}}{32\,\Gamma\left(\frac{3}{4}\right)^{6}\, e^{-\pi}}$$

Printed: 1/32*Pi^(3/2)/GAMMA(3/4)^6/exp(-Pi)
Value: 1.18918223209883033444104
Number of terms: 512
Offset: 1

Sequence: 1, 4, 8, 16, 26, 32, 48, 64, 73, 104, 120, 128, 170, 192, 208, 256, 290, 292, 360, 416, 384, 480, 528, 512, 651, 680, 656, 768, 842, 832, 960, 1024,

960, 1160, 1248, 1168, 1370, 1440, 1360, 1664, 1682, 1536, 1848, 1920, 1898, 2112, 2208, 2048, 2353, 2604
Name: a(n) = Sum_{d|n, n/d == 1 (mod 4)} d^2 - Sum_{d|n, n/d == 3 (mod 4)} d^2.

Sequence: A051136

$$\frac{2^{3/4}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{12}}}$$

Printed: 2^(3/4)/Pi^(1/4)*GAMMA(3/4)/exp(1/12*Pi)
Value: 1.19143620883713643862901
Number of terms: 512
Offset: 0

Sequence: 1, 4, 9, 20, 42, 80, 147, 260, 445, 744, 1215, 1944, 3059, 4740, 7239, 10920, 16286, 24028, 35110, 50844, 73010, 104028, 147144, 206700, 288501, 400232, 552037, 757288, 1033495, 1403508, 1897088, 2552812, 3420527, 4564500, 6067265
Name: Number of 2-colored generalized Frobenius partitions.

Sequence: A052241

$$\frac{3\,2^{3/4}}{e^{\frac{\pi}{4}}}$$

Printed: 3/exp(1/4*Pi)*2^(3/4)
Value: 2.30038042329549796881942
Number of terms: 512
Offset: 0

Sequence: 1, 26, 79, 326, 755, 2106, 4460, 10284, 20165, 41640, 77352, 147902, 263019, 475516, 816065, 1413142, 2353446, 3936754, 6391091, 10390150, 16497734, 26184098, 40775677, 63394792, 97037170, 148178934, 223351867, 335704742, 499050461, 739575640, 1085723797
Name: McKay-Thompson series of class 8C for Monster.

Sequence: A055978

$$\frac{\pi^4}{524288\,\Gamma\left(\frac{3}{4}\right)^{20}\,e^{-4\pi}}$$

Printed: 1/524288*Pi^4/GAMMA(3/4)^20/exp(-4*Pi)
Value: .91381667548969294385520 2
Number of terms: 52
Offset: 4

Sequence: 1, -2, 0, 4, -24, 36, 0, -64, 252, -290, 0, 396, -1472, 1380, 0, -944, 4830, -4248, 0, -1268, -6048, 8040, 0, 12528, -16744, -3706, 0, -20976, 84480, -31284, 0, -31312, -113643, 101542, 0, 152892, -115920, -104792, 0, -96576, 534612, -112914, 0, -369544, -370944, 334864, 0, 603936, -577738, -22554, 0
Name: A sequence related to Ramanujan's tau function.

Sequence: A058584

$$\frac{2\sqrt{2}\ 3^{1/4}}{e^{\frac{\pi}{2}}}$$

Printed: 2/exp(1/2*Pi)*2^(1/2)*3^(1/4)
Value: .773814975440419767277578
Number of terms: 512
Offset: -1

Sequence: 1, -5, -5, -9, -14, -19, -34, -55, -69, -104, -164, -209, -283, -413, -539, -712, -968, -1248, -1642, -2167, -2731, -3526, -4592, -5736, -7244, -9255, -11520, -14378, -18018, -22238, -27556, -34132, -41701, -51184, -62900, -76323, -92771, -113002, -136421, -164673, -198842, -238627
Name: McKay-Thompson series of class 24a for Monster.

Sequence: A079006

$$\frac{2^{3/4}}{4\,e^{-\frac{\pi}{4}}}$$

Printed: 1/4/exp(-1/4*Pi)*2^(3/4)
Value: .922160666156541173723988
Number of terms: 512
Offset: 0

Sequence: 1, -2, 5, -10, 18, -32, 55, -90, 144, -226, 346, -522, 777, -1138, 1648, -2362, 3348, -4704, 6554, -9056, 12425, -16932, 22922, -30848, 41282, -54946, 72768, -95914, 125842, -164402, 213901, -277204, 357904, -460448, 590330, -754368, 960948, -1220370
Name: Expansion of q^(-1/4) * (eta(q) * eta(q^4)^2 / eta(q^2)^3)^2 in powers of q.

Sequence: A080054

$$2^{1/8}$$

Printed: 2^(1/8)
Value: 1.0905077326652576592070
Number of terms: 512
Offset: 0

Sequence: 1, 2, 2, 4, 6, 8, 12, 16, 22, 30, 40, 52, 68, 88, 112, 144, 182, 228, 286, 356, 440, 544, 668, 816, 996, 1210, 1464, 1768, 2128, 2552, 3056, 3648,

4342, 5160, 6116, 7232, 8538, 10056, 11820, 13872, 16248, 18996, 22176, 25844, 30068, 34936, 40528
Name: G.f.: Product_{n >= 0} (1+x^(2n+1))/(1-x^(2n+1)).

Sequence: A080332

$$\frac{\pi^{3/4}\, 2^{1/8}}{2\,\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/24*Pi)*2^(1/8)
Value: .797000853742640017558395
Number of terms: 512
Offset: 0

Sequence: 1, -5, 7, 0, 0, -11, 0, 13, 0, 0, 0, 0, -17, 0, 0, 19, 0, 0, 0, 0, 0, 0, -23, 0, 0, 0, 25, 0, 0, 0, 0, 0, 0, 0, 0, -29, 0, 0, 0, 0, 31, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -35, 0, 0, 0, 0, 0, 37, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -41, 0, 0, 0, 0, 0, 0, 43, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -47, 0, 0, 0, 0, 0, 0
Name: G.f.: Product_{n>0} (1 - x^n)^3 * (1 - x^(2*n - 1))^2 = Sum_{n in Z} (6*n + 1) * x^(n*(3*n + 1)/2).

Sequence: A080965

$$\frac{2^{7/8}\, \pi^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)^3}$$

Printed: 1/2*2^(7/8)*Pi^(3/4)/GAMMA(3/4)^3
Value: 1.17593216209966085912674
Number of terms: 512
Offset: 0

Sequence: 1, 4, 2, -8, -4, 8, -8, -16, 6, 12, 8, -8, -8, 24, 0, -16, 12, 16, 10, -24, -8, 16, -24, -16, 8, 28, 8, -32, -16, 8, 0, -32, 6, 32, 16, -16, -12, 40, -24, -16, 24, 16, 16, -40, -8, 40, 0, -32, 24, 36, 10, -16, -24, 24, -32, -48, 0, 32, 24, -24, -16, 40, 0, -48, 12, 16, 16
Name: Expansion of eta(q^2)^12/(eta(q)^4eta(q^4)^5) in powers of q.

Sequence: A080966

$$\frac{2^{5/8}\, \pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(5/8)*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/4*Pi)
Value: 1.08439838595672501710132
Number of terms: 512
Offset: 0

Sequence: 1, 2, -1, -2, 0, -4, -1, 2, -4, 2, 4, 2, 1, -2, 4, 2, 4, 0, -4, 0, -3, 4, -4, -4, 0, -2, 0, -6, 0, 2, -1, -4, 4, -4, -4, 8, 4, 6, 0, 2, -8, 0, 7, 2, 4, 2, 4, 0, 0, -6, 4, 0, -4, 0, 0, 0, 1, -6, -4, 4, -8, -2, -4, 4, 0, 2, -4, -6, 0, -2, 4, -8, 1, 2, 0, 0, 4, 4, 4, -2, 4, 6, 0, -2, 0, -4, -8, 10, 8, 8, -1, 4, 4, 2, -4, -4, -8, 6, 4, -6, 8, -6, 4, 4
Name: Expansion of theta_4(q^2) * theta_2(q)^2/(4*q^(1/2)) in powers of q.

Sequence: A081360

$$\frac{2^{3/4}}{2\,e^{-\frac{\pi}{24}}}$$

Printed: 1/2/exp(-1/24*Pi)*2^(3/4)
Value: .958498672723820136268705
Number of terms: 512
Offset: 0

Sequence: 1, -1, 1, -2, 2, -3, 4, -5, 6, -8, 10, -12, 15, -18, 22, -27, 32, -38, 46, -54, 64, -76, 89, -104, 122, -142, 165, -192, 222, -256, 296, -340, 390, -448, 512, -585, 668, -760, 864, -982, 1113, -1260, 1426, -1610, 1816, -2048, 2304, -2590, 2910, -3264, 3658, -4097, 4582, -5120, 5718, -6378
Name: Expansion of q^(-1/24) (m (1-m) / 16)^(1/24) in powers of q, where m = k^2 is the parameter and q is the nome for Jacobian elliptic functions.

Sequence: A081362

$$\frac{2^{1/8}}{e^{\frac{\pi}{24}}}$$

Printed: 1/exp(1/24*Pi)*2^(1/8)
Value: .956708725113587003449042
Number of terms: 512
Offset: 0

Sequence: 1, -1, 0, -1, 1, -1, 1, -1, 2, -2, 2, -2, 3, -3, 3, -4, 5, -5, 5, -6, 7, -8, 8, -9, 11, -12, 12, -14, 16, -17, 18, -20, 23, -25, 26, -29, 33, -35, 37, -41, 46, -49, 52, -57, 63, -68, 72, -78, 87, -93, 98, -107, 117, -125, 133, -144, 157, -168, 178, -192, 209, -223, 236, -255, 276, -294, 312, -335, 361, -385
Name: Expansion of q^(1/24) * eta(q) / eta(q^2) in powers of q.

Sequence: A082303

$$\frac{\sqrt{2}}{e^{\frac{\pi}{8}}}$$

Printed: 1/exp(1/8*Pi)*2^(1/2)
Value: .954922120139643887143563
Number of terms: 512

Offset: 0

Sequence: 1, -1, -1, 0, 1, 0, -1, 1, 2, -1, -2, 1, 2, -1, -3, 1, 4, -2, -5, 2, 5, -2, -6, 3, 8, -4, -9, 4, 10, -4, -12, 6, 15, -7, -17, 7, 19, -8, -22, 10, 26, -12, -30, 13, 33, -14, -38, 17, 45, -21, -51, 22, 56, -24, -64, 29, 74, -33, -83, 36, 92, -40, -104, 46, 119, -53, -133, 58
Name: McKay-Thompson series of class 32e for the Monster group.

Sequence: A082304

$$\frac{2}{e^{\frac{\pi}{4}}}$$

Printed: 2/exp(1/4*Pi)
Value: .91187625553199247353184 2
Number of terms: 512
Offset: 0

Sequence: 1, -2, -1, 2, 3, -2, -4, 4, 5, -8, -8, 10, 11, -12, -15, 18, 22, -26, -29, 34, 38, -42, -51, 56, 66, -78, -85, 98, 109, -120, -139, 156, 176, -202, -222, 250, 279, -306, -346, 384, 429, -482, -530, 590, 650, -714, -797, 876, 972, -1080, -1180, 1304, 1431, -1562, -1728, 1892, 2078, -2290, -2496
Name: McKay-Thompson series of class 16d for the Monster group.

Sequence: A082556

$$\frac{2048\,\Gamma\left(\frac{3}{4}\right)^{30}\,2^{1/4}}{\pi^{15/2}\,e^{\frac{5\pi}{4}}}$$

Printed: 2048/Pi^(15/2)*GAMMA(3/4)^30/exp(5/4*Pi)*2^(1/4)
Value: 3.9903117607629865980500
Number of terms: 512
Offset: 0

Sequence: 1, 30, 495, 5890, 56265, 456786, 3263990, 21017040, 124018290, 679118550, 3484681077, 16884109080, 77731521980, 341784289770, 1441489548195, 5852747363518, 22948550618400, 87131200662540, 321100847115950, 1150962640399770, 4020058004480100, 13704611801774340
Name: G.f.: Product_{m>=1} 1/(1-x^m)^30.

Sequence: A082557

$$\frac{4096\,\Gamma\left(\frac{3}{4}\right)^{32}}{\pi^{8}\,e^{\frac{4\pi}{3}}}$$

Printed: 4096/Pi^8*GAMMA(3/4)^32/exp(4/3*Pi)
Value: 4.37596611159745238628397
Number of terms: 512
Offset: 0

Sequence: 1, 32, 560, 7040, 70840, 604352, 4528832, 30529280, 188313180, 1076484640, 5759310304, 29064224896, 139226153920, 636391492800, 2787844780160, 11748015743232, 47774241056710, 187997792512640, 717605948122000, 2662641484567680, 9621587501598688, 33916687860860288
Name: G.f.: Product_{m>=1} 1/(1-x^m)^32.

Sequence: A082558

$$\frac{262144\,\Gamma\left(\frac{3}{4}\right)^{48}}{\pi^{12}\,e^{2\pi}}$$

Printed: 262144/Pi^12*GAMMA(3/4)^48/exp(2*Pi)
Value: 9.15400035862951003013062
Number of terms: 512
Offset: 0

Sequence: 1, 48, 1224, 21952, 309876, 3657312, 37468928, 341773440, 2826752418, 21491641808, 151810235136, 1004753937600, 6273891838360, 37171410206112, 209969121051648, 1135389617917568, 5897908848093087, 29521227582821520, 142760699405228800
Name: Expansion of Product_{m>=1} 1/(1-x^m)^48.

Sequence: A082559

$$\frac{16777216\,\Gamma\left(\frac{3}{4}\right)^{64}}{\pi^{16}\,e^{\frac{8\pi}{3}}}$$

Printed: 16777216/Pi^16*GAMMA(3/4)^64/exp(8/3*Pi)
Value: 19.1490794098493271119854
Number of terms: 512
Offset: 0

Sequence: 1, 64, 2144, 49920, 905840, 13627264, 176638592, 2025205248, 20930373880, 197788352320, 1728062919232, 14083242424576, 107837287452608, 780481475916160, 5366307146732800, 35202669371599360, 221142159585764508, 1334633003840266624, 7760187771579170400
Name: G.f.: Product_{m>=1} 1/(1-x^m)^64.

Sequence: A082564

$$\frac{\sqrt{\pi}\ 2^{5/8}}{2\ \Gamma\left(\frac{3}{4}\right)^2}$$

Printed: 1/2*Pi^(1/2)*2^(5/8)/GAMMA(3/4)^2
Value: .910167024735558532577205
Number of terms: 512
Offset: 0

Sequence: 1, -2, -2, 4, 2, 0, -4, 0, 2, -6, 0, 4, 4, 0, 0, 0, 2, -4, -6, 4, 0, 0, -4, 0, 4, -2, 0, 8, 0, 0, 0, 0, 2, -8, -4, 0, 6, 0, -4, 0, 0, -4, 0, 4, 4, 0, 0, 0, 4, -2, -2, 8, 0, 0, -8, 0, 0, -8, 0, 4, 0, 0, 0, 0, 2, 0, -8, 4, 4, 0, 0, 0, 6, -4, 0, 4, 4, 0, 0, 0, 0, -10, -4, 4, 0, 0, -4, 0, 4, -4, 0, 0, 0, 0, 0, 0, 4, -4, -2, 12, 2, 0, -8, 0
Name: Expansion of eta(q)^2 * eta(q^2) / eta(q^4) in powers of q.

Sequence: A083365

$$\frac{2^{3/8}}{2\ e^{-\frac{\pi}{8}}}$$

Printed: 1/2/exp(-1/8*Pi)*2^(3/8)
Value: .960291969224225666034755
Number of terms: 512
Offset: 0

Sequence: 1, -1, 2, -3, 4, -6, 9, -12, 16, -22, 29, -38, 50, -64, 82, -105, 132, -166, 208, -258, 320, -395, 484, -592, 722, -876, 1060, -1280, 1539, -1846, 2210, -2636, 3138, -3728, 4416, -5222, 6163, -7256, 8528, -10006, 11716, -13696, 15986, -18624, 21666, -25169, 29190, -33808, 39104
Name: Expansion of psi(x) / phi(x) in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A083703

$$\frac{\pi^{3/4}\ 2^{3/8}}{2\ \Gamma\left(\frac{3}{4}\right)^3}$$

Printed: 1/2*Pi^(3/4)*2^(3/8)/GAMMA(3/4)^3
Value: .831509606036028624991830
Number of terms: 512
Offset: 0

Sequence: 1, -4, 2, 8, -4, -8, -8, 16, 6, -12, 8, 8, -8, -24, 0, 16, 12, -16, 10, 24, -8, -16, -24, 16, 8, -28, 8, 32, -16, -8, 0, 32, 6, -32, 16, 16, -12, -40, -24, 16, 24, -16, 16, 40, -8, -40, 0, 32, 24, -36, 10, 16, -24, -24, -32, 48, 0, -32, 24, 24, -16, -40, 0, 48, 12, -16, 16, 56, -16, -32, -48, 16, 30, -64, 8, 40, -24
Name: Expansion of eta(q)^4/eta(q^4) in powers of q.

Sequence: A084928

$$\frac{1}{e^{\pi}}$$

Printed: 1/exp(Pi)
Value: .432139182637722497744179e-1
Number of terms: 512
Offset: 1

Sequence: 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 2
Name: If the numbers 1 to n^3 are arranged in a cubic array, a(n) is the minimum number of primes in each row of the n^2 rows in the \east-west view\ that can have primes.

Sequence: A085140

$$\frac{\pi^{1/4}\,2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{-\frac{\pi}{6}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/6*Pi)*2^(1/4)
Value: 1.09050392967818949058514
Number of terms: 512
Offset: 0

Sequence: 1, 2, 2, 4, 5, 6, 10, 12, 15, 20, 26, 32, 40, 50, 60, 76, 92, 110, 134, 160, 191, 230, 272, 320, 380, 446, 522, 612, 715, 830, 966, 1120, 1292, 1494, 1720, 1976, 2272, 2602, 2974, 3400, 3876, 4412, 5020, 5700, 6460, 7322, 8282, 9352, 10559, 11900, 13396
Name: Expansion of q^(-1/6) * eta(q^2)^3 / eta(q)^2 in powers of q.

Sequence: A089798

$$\frac{\pi^{1/4}\,2^{7/8}}{2\,\Gamma\left(\frac{3}{4}\right)}$$

Printed: 1/2*Pi^(1/4)*2^(7/8)/GAMMA(3/4)
Value: .996265114560907135789950
Number of terms: 512
Offset: 0

Sequence: 1, 0, -2, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0
Name: Expansion of Jacobi theta function theta_4(q^2).

Sequence: A089799

$$\frac{\pi^{1/4}\, 2^{3/8}}{\Gamma\left(\frac{3}{4}\right) e^{-\frac{\pi}{8}}}$$

Printed: Pi^(1/4)/GAMMA(3/4)/exp(-1/8*Pi)*2^(3/8)
Value: 2.08658924858755480293531
Number of terms: 512
Offset: 0

Sequence: 2, 2, 0, 2, 0, 0, 2, 0, 0, 0, 2, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Expansion of Jacobi theta function theta_2(q^(1/2))/q^(1/8).

Sequence: A089800

$$\frac{2^{3/4}\, \pi^{1/4}}{2\, \Gamma\left(\frac{3}{4}\right) e^{-\frac{\pi}{4}}}$$

Printed: 1/2*2^(3/4)*Pi^(1/4)/GAMMA(3/4)/exp(-1/4*Pi)
Value: 2.00373489848824033461166
Number of terms: 512
Offset: 0

Sequence: 2, 0, 2, 0, 0, 0, 2, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Expansion of Jacobi theta function theta_2(q)/q^(1/4).

Sequence: A092877

$$\frac{1}{16\, e^{-\pi}}$$

Printed: 1/16/exp(-Pi)
Value: 1.44629328954870431285806
Number of terms: 512
Offset: 1

Sequence: 1, 8, 44, 192, 718, 2400, 7352, 20992, 56549, 145008, 356388, 844032, 1934534, 4306368, 9337704, 19771392, 40965362, 83207976, 165944732, 325393024, 628092832, 1194744096, 2241688744, 4152367104, 7599231223, 13749863984
Name: Expansion of (eta(q^4) / eta(q))^8 in powers of q.

Sequence: A093160

$$\frac{1}{4\,e^{-\frac{\pi}{2}}}$$

Printed: 1/4/exp(-1/2*Pi)
Value: 1.20261934524133791386826
Number of terms: 512
Offset: 0

Sequence: 1, 4, 14, 40, 101, 236, 518, 1080, 2162, 4180, 7840, 14328, 25591, 44776, 76918, 129952, 216240, 354864, 574958, 920600, 1457946, 2285452, 3548550, 5460592, 8332425, 12614088, 18953310, 28276968, 41904208, 61702876, 90304598
Name: Expansion of q^(-1/2) * (eta(q^4) / eta(q))^4 in powers of q.

Sequence: A096727

$$\frac{\pi}{2\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 1/2*Pi/GAMMA(3/4)^4
Value: .696601964842838429592120
Number of terms: 512
Offset: 0

Sequence: 1, -8, 24, -32, 24, -48, 96, -64, 24, -104, 144, -96, 96, -112, 192, -192, 24, -144, 312, -160, 144, -256, 288, -192, 96, -248, 336, -320, 192, -240, 576, -256, 24, -384, 432, -384, 312, -304, 480, -448, 144, -336, 768, -352, 288, -624, 576, -384, 96, -456, 744, -576, 336, -432, 960, -576, 192
Name: Expansion of eta(q)^8 / eta(q^2)^4 in powers of q.

Sequence: A096920

$$\frac{\pi^{1/4}\,2^{5/8}}{2\,\Gamma\left(\frac{3}{4}\right)e^{-\frac{\pi}{12}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/12*Pi)*2^(5/8)
Value: 1.08846746895223943488843
Number of terms: 512
Offset: 0

Sequence: 1, 2, 1, 2, 3, 2, 4, 4, 4, 6, 7, 8, 8, 10, 11, 14, 16, 16, 20, 22, 24, 28, 32, 34, 39, 44, 48, 54, 60, 66, 73, 82, 88, 98, 108, 118, 132, 144, 156, 172, 188, 204, 224, 244, 265, 290, 316, 340, 372, 404, 436, 474, 513, 554, 600, 650, 700, 756, 816, 878, 948, 1022, 1096, 1182
Name: Expansion of q^(-1/12) * eta(q^2)^4 / (eta(q)^2 * eta(q^4)) in powers

of q.

Sequence: A096960

$$\frac{3\,\pi^3}{64\,\Gamma\left(\frac{3}{4}\right)^{12}\,e^{-\pi}}$$

Printed: 3/64*Pi^3/GAMMA(3/4)^12/exp(-Pi)
Value: 2.9333352882617049173015
Number of terms: 512
Offset: 1

Sequence: 1, 32, 244, 1024, 3126, 7808, 16808, 32768, 59293, 100032, 161052, 249856, 371294, 537856, 762744, 1048576, 1419858, 1897376, 2476100, 3201024, 4101152, 5153664, 6436344, 7995392, 9768751, 11881408, 14408200, 17211392, 20511150
Name: a(n) = Sum_{0<d|n, n/d odd} d^5.

Sequence: A096961

$$\frac{9\,\pi^4}{64\,\Gamma\left(\frac{3}{4}\right)^{16}\,e^{-\pi}}$$

Printed: 9/64*Pi^4/GAMMA(3/4)^16/exp(-Pi)
Value: 12.2602027521026485863429
Number of terms: 512
Offset: 1

Sequence: 1, 128, 2188, 16384, 78126, 280064, 823544, 2097152, 4785157, 10000128, 19487172, 35848192, 62748518, 105413632, 170939688, 268435456, 410338674, 612500096, 893871740, 1280016384, 1801914272, 2494358016, 3404825448
Name: a(n) = Sum_{0<d|n, n/d odd} d^7.

Sequence: A097243

$$3$$

Printed: 3
Value: 3.
Number of terms: 512
Offset: 0

Sequence: 1, 32, 256, 1408, 6144, 22976, 76800, 235264, 671744, 1809568, 4640256, 11404416, 27009024, 61905088, 137803776, 298806528, 632684544, 1310891584, 2662655232, 5310231424, 10412576768, 20098970624, 38231811072, 71734039808, 132875747328, 243175399136
Name: Expansion of 1 + 32 * (eta(q^4) / eta(q))^8 in powers of q.

Sequence: A097340

$$\frac{64}{e^{\pi}}$$

Printed: 64/exp(Pi)
Value: 2.76569076888142398556275
Number of terms: 512
Offset: -1

Sequence: 1, 24, 276, 2048, 11202, 49152, 184024, 614400, 1881471, 5373952, 14478180, 37122048, 91231550, 216072192, 495248952, 1102430208, 2390434947, 5061476352, 10487167336, 21301241856, 42481784514, 83300614144
Name: McKay-Thompson series of class 4A for the Monster group with a(0) = 24.

Sequence: A097723

$$\frac{\pi\, 2^{1/4}}{16\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{3\pi}{4}}}$$

Printed: 1/16*Pi/GAMMA(3/4)^4/exp(-3/4*Pi)*2^(1/4)
Value: 1.09253277027933145512585
Number of terms: 512
Offset: 0

Sequence: 1, 2, 3, 6, 5, 6, 10, 8, 12, 14, 11, 12, 18, 18, 15, 26, 17, 18, 31, 20, 21, 30, 28, 30, 39, 26, 27, 38, 36, 36, 42, 32, 33, 60, 35, 42, 57, 38, 48, 54, 41, 42, 65, 62, 45, 62, 54, 48, 84, 50, 60, 78, 53, 66, 74, 56, 57, 96, 72, 60, 91, 70, 63, 108, 76, 66, 90, 68, 93, 104, 71, 84, 98
Name: One fourth of sum of divisors of 4n+3.

Sequence: A098613

$$\frac{2^{1/8}}{2\, e^{-\frac{5\pi}{24}}}$$

Printed: 1/2/exp(-5/24*Pi)*2^(1/8)
Value: 1.04916508057931509258174
Number of terms: 512
Offset: 0

Sequence: 1, 1, 3, 4, 7, 10, 17, 23, 35, 48, 69, 93, 131, 173, 236, 310, 413, 536, 704, 903, 1170, 1489, 1904, 2403, 3044, 3811, 4784, 5951, 7409, 9157, 11325, 13912, 17095, 20891, 25519, 31029, 37708, 45632, 55184, 66495, 80050, 96064, 115173, 137680, 164425, 195860
Name: Expansion of psi(x^2) / f(-x) in powers of x where psi(), f() are Ramanujan theta functions.

Sequence: A100130

$$\frac{1}{64\, e^{-\pi}}$$

Printed: 1/64/exp(-Pi)
Value: .361573322387176078214516
Number of terms: 512
Offset: 1

Sequence: 1, -24, 300, -2624, 18126, -105504, 538296, -2471424, 10400997, -40674128, 149343012, -519045888, 1718732998, -5451292992, 16633756008, -49010118656, 139877936370, -387749049720, 1046413709980, -2754808758144, 7087483527072
Name: Expansion of (eta(q) * eta(q^4) / eta(q^2)^2)^24 in powers of q.

Sequence: A101127

$$\frac{4}{e^{\frac{\pi}{3}}}$$

Printed: 4/exp(1/3*Pi)
Value: 1.40367922871364387026296
Number of terms: 512
Offset: 0

Sequence: 1, 8, 28, 64, 134, 288, 568, 1024, 1809, 3152, 5316, 8704, 13990, 22208, 34696, 53248, 80724, 121240, 180068, 264448, 384940, 556064, 796760, 1132544, 1598789, 2243056, 3127360, 4333568, 5971922, 8188096, 11170160, 15163392, 20491033
Name: McKay-Thompson series of class 12D for the Monster group.

Sequence: A101277

$$\frac{2^{5/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\, e^{\frac{\pi}{12}}}$$

Printed: 2^(5/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/12*Pi)
Value: 1.0925518207240991591719 8
Number of terms: 512
Offset: 0

Sequence: 1, 2, 3, 6, 10, 16, 25, 38, 57, 84, 121, 172, 243, 338, 465, 636, 862, 1158, 1546, 2050, 2702, 3542, 4616, 5986, 7729, 9932, 12707, 16196, 20563, 26010, 32788, 41194, 51591, 64418, 80195, 99558, 123269, 152226, 187514, 230434, 282519, 345596, 421844, 513834
Name: Number of partitions of 2n in which all odd parts occur with multiplicity 2. There is no restriction on the even parts.

Sequence: A104794

$$\frac{\sqrt{\pi}\,\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)^2}$$

Printed: 1/2*Pi^(1/2)*2^(1/2)/GAMMA(3/4)^2
Value: .834626841674073186281425
Number of terms: 512
Offset: 0

Sequence: 1, -4, 4, 0, 4, -8, 0, 0, 4, -4, 8, 0, 0, -8, 0, 0, 4, -8, 4, 0, 8, 0, 0, 0, 0, -12, 8, 0, 0, -8, 0, 0, 4, 0, 8, 0, 4, -8, 0, 0, 8, -8, 0, 0, 0, -8, 0, 0, 0, -4, 12, 0, 8, -8, 0, 0, 0, 0, 8, 0, 0, -8, 0, 0, 4, -16, 0, 0, 8, 0, 0, 0, 4, -8, 8, 0, 0, 0, 0, 0, 8
Name: Expansion of theta_4(q)^2 in powers of q.

Sequence: A105094

$$\frac{32\,\Gamma\left(\frac{3}{4}\right)^8}{\pi^2}$$

Printed: 32/Pi^2*GAMMA(3/4)^8
Value: 16.4862012402291705308554
Number of terms: 512
Offset: 0

Sequence: 8, 128, 1152, 7680, 42112, 200448, 855552, 3345408, 12166272, 41609856, 134973184, 418023936, 1242729984, 3561814784, 9877810176, 26587137024, 69636039808, 177877244160, 443991342720, 1084762764800, 2598075516672
Name: Expansion of 8 * (eta(q^2) / eta(q)^2)^8 in powers of q.

Sequence: A105095

$$\frac{24\,\Gamma\left(\frac{3}{4}\right)^8\sqrt{2}}{\pi^2\,e^{\frac{\pi}{2}}}$$

Printed: 24/Pi^2*GAMMA(3/4)^8/exp(1/2*Pi)*2^(1/2)
Value: 3.63503570532309353067386
Number of terms: 202
Offset: 0

Sequence: 1, 36, 402, 3064, 18351, 93300, 419150, 1708632, 6432867, 22659976, 75404754, 238825344, 724242492, 2113022844, 5954784540, 16263489048, 43168780485, 111630095424, 281807843656, 695783026296, 1682813702136, 3992563842088
Name: Expansion of 8*eta(2*tau)^8/eta(tau)^16 + eta(tau/2)^8/eta(tau)^16.

Sequence: A106459

$$\frac{\pi^{1/4}\,2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/8*Pi)*2^(1/4)
Value: .956705388731092292713500
Number of terms: 512
Offset: 0

Sequence: 1, -1, 0, -1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Expansion of f(-x, -x^3) in powers of x where f(,) is Ramanujan's general theta function.

Sequence: A106507

$$\frac{2^{5/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{8}}}$$

Printed: 2^(5/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/8*Pi)
Value: .958502015360153690033758
Number of terms: 512
Offset: 0

Sequence: 1, -1, 1, -2, 3, -4, 5, -7, 10, -13, 16, -21, 28, -35, 43, -55, 70, -86, 105, -130, 161, -196, 236, -287, 350, -420, 501, -602, 722, -858, 1016, -1206, 1431, -1687, 1981, -2331, 2741, -3206, 3740, -4368, 5096, -5922, 6868, -7967, 9233, -10670, 12306, -14193
Name: G.f.: Product_{k>0} (1-x^(2k-1))/(1-x^(2k)).

Sequence: A106508

$$\frac{2^{1/4}\,\pi}{4\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{3}}}$$

Printed: 1/4*2^(1/4)*Pi/GAMMA(3/4)^4/exp(-1/3*Pi)
Value: 1.18033236649821014317389
Number of terms: 512
Offset: 0

Sequence: 1, 4, 4, 0, 2, 0, -8, 0, -5, -16, 4, 0, -10, 0, -8, 0, 9, 8, 0, 0, 14, 0, 16,

0, -10, 32, 4, 0, 0, 0, 8, 0, 14, -20, -20, 0, 2, 0, 0, 0, -11, -16, -20, 0, -32, 0, 16, 0, 0, -40, 4, 0, 14, 0, -8, 0, -9, 32, -20, 0, 26, 0, 0, 0, 2, 36, 28, 0, 0, 0, 16, 0, 16, 0, 28, 0, -22, 0, 0, 0, 14, 56, -16, 0, 0, 0, -40, 0, 0
Name: Expansion of psi(x)^4 * chi(-x^2)^2 in powers of x where psi(), chi() are Ramanujan theta functions.

Sequence: A107033

$$\frac{\sqrt{\pi}\ 2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/24*Pi)*2^(3/4)
Value: 1.13135489751896703251198
Number of terms: 106
Offset: 0

Sequence: 1, 3, 1, -2, 2, 1, -4, -1, -2, 0, 2, -4, -1, -2, -2, 1, 0, 2, -2, 2, 0, -4, 1, 0, 2, 2, 5, 0, -2, 0, 0, 4, -2, 0, 0, 3, 4, 0, 0, 2, 1, -4, 2, -2, 0, 0, 0, 2, -2, 0, 2, 3, -2, 0, -2, -2, -4, -1, 0, 0, 0, -4, 2, 0, 4, 0, -4, -2, 0, -2, -1, 0, 0, -2, -2, 2, -6, 1, 2, 0, 0, 4, 0, -2, 2, 0, 0, -2, -2, -2, 2, 0, 1, 0, 0, -2, 4, 0, 0, 2, 1, 6, 0, 2, 0
Name: Expansion of f(x, x) * f(x, -x^2) in powers of x where f(,) is a Ramanujan theta function.

Sequence: A107034

$$\frac{2^{3/4}\sqrt{\pi}}{4\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{5\pi}{24}}}$$

Printed: 1/4*2^(3/4)*Pi^(1/2)/GAMMA(3/4)^2/exp(-5/24*Pi)
Value: .954915459847317740875572
Number of terms: 80
Offset: 0

Sequence: 1, -1, -1, 0, -1, 2, 1, 1, -1, 0, 1, -1, -1, -1, 0, -2, 1, 0, 0, 1, 2, -1, 0, 1, 0, 1, 0, 1, 1, -1, -3, 0, -1, 1, -1, -1, 0, 0, 0, 1, -2, 0, 1, 0, 1, 0, 1, 0, 0, 1, 2, 1, 0, -1, 1, -3, 0, 1, 0, -1, -1, 0, 1, 0, 0, -2, 0, -1, -1, 0, -2, 1, 1, 0, 0, 1, 0, 0, 1
Name: Expansion of f(-x) * f(-x^4) in powers of x where f() is a Ramanujan theta function.

Sequence: A107635

$$\frac{2^{3/4}}{e^{\frac{\pi}{8}}}$$

Printed: 1/exp(1/8*Pi)*2^(3/4)
Value: 1.13560017954354771095630
Number of terms: 512

Offset: 0

Sequence: 1, 3, 3, 4, 9, 12, 15, 21, 30, 43, 54, 69, 94, 123, 153, 193, 252, 318, 391, 486, 609, 754, 918, 1119, 1376, 1680, 2019, 2432, 2946, 3540, 4220, 5034, 6015, 7157, 8463, 9999, 11835, 13956, 16374, 19206, 22542, 26376, 30750, 35829, 41745, 48526, 56250
Name: McKay-Thompson series of class 32a for the Monster group.

Sequence: A108494

$$\frac{2^{7/8}}{2}$$

Printed: 1/2*2^(7/8)
Value: .917004043204671231743540
Number of terms: 512
Offset: 0

Sequence: 1, -2, 2, -4, 6, -8, 12, -16, 22, -30, 40, -52, 68, -88, 112, -144, 182, -228, 286, -356, 440, -544, 668, -816, 996, -1210, 1464, -1768, 2128, -2552, 3056, -3648, 4342, -5160, 6116, -7232, 8538, -10056, 11820, -13872, 16248, -18996, 22176, -25844, 30068, -34936, 40528
Name: Expansion of f(-q) / f(q) in powers of q where f() is a Ramanujan theta function.

Sequence: A109146

$$\frac{3\,\pi^{7/4}}{4\,\Gamma\left(\frac{3}{4}\right)^7}$$

Printed: 3/4*Pi^(7/4)/GAMMA(3/4)^7
Value: 1.33994499922452164047761
Number of terms: 512
Offset: 0

Sequence: 1, 0, 126, 1568, 756, -165312, -1227240, 19894464, 414106686, -456317568, -96106099320, -809737207776, 15047550684488, 345938324437440, -318788546956992, -91256560218798912, -842108390970746508, 15331399952805675648, 380895013380314119302, -178390965727200705696
Name: G.f.: square root of theta series of lattice in A004535.

Sequence: A111938

$$\frac{1}{8\sqrt{\pi}\;\Gamma\left(\frac{3}{4}\right)^2 e^{-\pi}}$$

Printed: 1/8/Pi^(1/2)/GAMMA(3/4)^2/exp(-Pi)
Value: 1.08678551039276865738505

Number of terms: 512
Offset: 1

Sequence: 1, 2, 0, 4, 10, 0, 0, 8, 9, 20, 0, 0, 26, 0, 0, 16, 34, 18, 0, 40, 0, 0, 0, 0, 75, 52, 0, 0, 58, 0, 0, 32, 0, 68, 0, 36, 74, 0, 0, 80, 82, 0, 0, 0, 90, 0, 0, 0, 49, 150, 0, 104, 106, 0, 0, 0, 0, 116, 0, 0, 122, 0, 0, 64, 260, 0, 0, 136, 0, 0, 0, 72, 146, 148, 0, 0, 0, 0, 0, 160, 81, 164
Name: a(n) = n times number of divisors of n of form 4m+1 - n times number of divisors of form 4m+3.

Sequence: A112142

$$\frac{8}{e^{\frac{\pi}{2}}}$$

Printed: 8/exp(1/2*Pi)
Value: 1.66303661080609526837565
Number of terms: 512
Offset: 0

Sequence: 1, 12, 66, 232, 639, 1596, 3774, 8328, 17283, 34520, 66882, 125568, 229244, 409236, 716412, 1231048, 2079237, 3459264, 5677832, 9200232, 14729592, 23325752, 36567222, 56778888, 87369483, 133315692, 201825420, 303257512
Name: McKay-Thompson series of class 8B for the Monster group.

Sequence: A112143

$$\frac{4}{e^{\frac{\pi}{2}}}$$

Printed: 4/exp(1/2*Pi)
Value: .831518305403047634187824
Number of terms: 512
Offset: 0

Sequence: 1, -4, 2, 8, -1, -20, -2, 40, 3, -72, 2, 128, -4, -220, -4, 360, 5, -576, 8, 904, -8, -1384, -10, 2088, 11, -3108, 12, 4552, -15, -6592, -18, 9448, 22, -13392, 26, 18816, -29, -26216, -34, 36224, 38, -49700, 42, 67728, -51, -91688, -56, 123392, 66, -165128, 78, 219784, -85, -291072
Name: McKay-Thompson series of class 8D for the Monster group.

Sequence: A112150

$$\frac{2\sqrt{2}}{e^{\frac{\pi}{4}}}$$

Printed: 2/exp(1/4*Pi)*2^(1/2)
Value: 1.2895877677793377970094 7

Number of terms: 512
Offset: 0

Sequence: 1, 6, 15, 26, 51, 102, 172, 276, 453, 728, 1128, 1698, 2539, 3780, 5505, 7882, 11238, 15918, 22259, 30810, 42438, 58110, 78909, 106392, 142770, 190698, 253179, 334266, 439581, 575784, 750613, 974316, 1260336, 1624702, 2086530, 2670162, 3406695, 4333590
Name: McKay-Thompson series of class 16a for the Monster group.

Sequence: A112160

$$\frac{2}{e^{\frac{\pi}{6}}}$$

Printed: 2/exp(1/6*Pi)
Value: 1.18476969437677796733083
Number of terms: 512
Offset: 0

Sequence: 1, 4, 6, 8, 17, 28, 38, 56, 84, 124, 172, 232, 325, 448, 594, 784, 1049, 1388, 1796, 2320, 3005, 3864, 4912, 6216, 7877, 9940, 12430, 15488, 19309, 23972, 29580, 36408, 44766, 54876, 66978, 81536, 99150, 120272, 145374, 175344, 211242
Name: McKay-Thompson series of class 24E for the Monster group.

Sequence: A112603

$$\frac{\sqrt{\pi}\ 2^{3/8}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/8*Pi)*2^(3/8)
Value: 1.13347159818446916456478
Number of terms: 512
Offset: 0

Sequence: 1, 3, 2, 1, 4, 2, 1, 4, 0, 2, 5, 2, 2, 0, 2, 3, 4, 2, 0, 6, 0, 1, 4, 0, 2, 4, 4, 0, 3, 2, 2, 4, 2, 0, 0, 2, 3, 8, 0, 2, 4, 0, 2, 0, 2, 3, 6, 0, 0, 4, 2, 2, 4, 2, 2, 3, 2, 2, 0, 4, 0, 4, 0, 0, 8, 2, 1, 4, 0, 0, 8, 2, 2, 0, 2, 2, 0, 2, 1, 4, 2, 4, 6, 0, 2, 4, 0, 4, 0, 0, 0, 7, 4, 0, 4, 2, 2, 0, 0, 0, 6, 2, 4, 4, 2
Name: Number of representations of n as the sum of a square and a triangular number.

Sequence: A112610

$$\frac{2^{3/4}\,\pi}{4\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(3/4)*Pi/GAMMA(3/4)^4/exp(-1/4*Pi)
Value: 1.28475786389085472151599
Number of terms: 512
Offset: 0

Sequence: 1, 6, 13, 14, 18, 32, 31, 30, 48, 38, 42, 78, 57, 54, 80, 62, 84, 96, 74, 96, 121, 108, 90, 128, 98, 102, 192, 110, 114, 182, 133, 156, 176, 160, 138, 192, 180, 150, 234, 158, 192, 288, 183, 174, 240, 182, 228, 320, 194, 198, 272, 252, 240, 288, 256, 252, 403, 230
Name: Number of representations of n as a sum of two squares and two triangular numbers.

Sequence: A113277

$$\frac{2^{1/4}\,\pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{3}}}$$

Printed: 1/4*2^(1/4)*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/3*Pi)
Value: 1.08642723365982655997697
Number of terms: 512
Offset: 0

Sequence: 1, 2, 0, 0, 0, -4, 0, 0, -5, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -10, 0, 0, 0, 0, 0, 0, -11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 13, 0, 0, 0, 0, 0, 0, 0, 0, 14, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -17, 0, 0, 0, 0
Name: Expansion of q^(-1/3) * eta(q^2)^5 / eta(q)^2 in powers of q.

Sequence: A114855

$$\frac{\pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{3}}}$$

Printed: 1/4*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/3*Pi)
Value: .913572766218557872930992
Number of terms: 512
Offset: 0

Sequence: 1, -2, 0, 0, 0, 4, 0, 0, -5, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, -8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 10, 0, 0, 0, 0, 0, 0, -11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 13, 0, 0, 0, 0, 0, 0, 0, 0, -14, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -17, 0, 0, 0, 0
Name: Expansion of q^(-1/3) * (eta(q) * eta(q^4))^2 / eta(q^2) in powers of q.

Sequence: A115110

$$\frac{\sqrt{\pi}\ 2^{3/8}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/24*Pi)*2^(3/8)
Value: .872393885166021224524890
Number of terms: 512
Offset: 0

Sequence: 1, -3, 1, 2, 2, -1, -4, 1, -2, 0, 2, 4, -1, 2, -2, -1, 0, -2, -2, -2, 0, 4, 1, 0, 2, -2, 5, 0, -2, 0, 0, -4, -2, 0, 0, -3, 4, 0, 0, -2, 1, 4, 2, 2, 0, 0, 0, -2, -2, 0, 2, -3, -2, 0, -2, 2, -4, 1, 0, 0, 0, 4, 2, 0, 4, 0, -4, 2, 0, 2, -1, 0, 0, 2, -2, -2, -6, -1, 2, 0, 0, -4, 0, 2, 2, 0, 0, 2, -2, 2, 2, 0, 1, 0, 0, 2, 4, 0, 0, -2, 1, -6, 0, -2, 0
Name: Expansion of q^(-1/24) * eta(q)^3 / eta(q^2) in powers of q.

Sequence: A115607

$$\frac{1}{24\,e^{-\pi}}$$

Printed: 1/24/exp(-Pi)
Value: .964195526365802875238709
Number of terms: 512
Offset: 1

Sequence: 1, -1, 4, -1, 6, -4, 8, -1, 13, -6, 12, -4, 14, -8, 24, -1, 18, -13, 20, -6, 32, -12, 24, -4, 31, -14, 40, -8, 30, -24, 32, -1, 48, -18, 48, -13, 38, -20, 56, -6, 42, -32, 44, -12, 78, -24, 48, -4, 57, -31, 72, -14, 54, -40, 72, -8, 80, -30, 60, -24, 62, -32, 104, -1, 84, -48, 68, -18, 96, -48, 72, -13, 74, -38, 124
Name: Sum of odd divisors of n times (-1)^(n+1).

Sequence: A115977

$$\frac{1}{2\,e^{-\pi}}$$

Printed: 1/2/exp(-Pi)
Value: 11.5703463163896345028645
Number of terms: 512
Offset: 1

Sequence: 16, -128, 704, -3072, 11488, -38400, 117632, -335872, 904784, -2320128, 5702208, -13504512, 30952544, -68901888, 149403264, -316342272, 655445792, -1331327616, 2655115712, -5206288384, 10049485312, -19115905536, 35867019904, -66437873664
Name: Expansion of elliptic modular function lambda in powers of the nome q.

Sequence: A117410

$$\frac{2^{7/8}\sqrt{\pi}}{4\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{5\pi}{24}}}$$

Printed: 1/4*2^(7/8)*Pi^(1/2)/GAMMA(3/4)^2/exp(-5/24*Pi)
Value: 1.04134269300510035944420
Number of terms: 512
Offset: 0

Sequence: 1, 1, -1, 0, -1, -2, 1, -1, -1, 0, 1, 1, -1, 1, 0, 2, 1, 0, 0, -1, 2, 1, 0, -1, 0, -1, 0, -1, 1, 1, -3, 0, -1, -1, -1, 1, 0, 0, 0, -1, -2, 0, 1, 0, 1, 0, 1, 0, 0, -1, 2, -1, 0, 1, 1, 3, 0, -1, 0, 1, -1, 0, 1, 0, 0, 2, 0, 1, -1, 0, -2, -1, 1, 0, 0, -1, 0, 0, 1, -1, 0, -1, -1, -1, 0, -2, -1, 0, 2, 1, -2, 0, 1, -1, 0, -2, -1, 1, -1, 1, 0, 0, 0, 1, 0
Name: Expansion of q^(-5/24) * eta(q^2)^3 / eta(q) in powers of q.

Sequence: A120030

$$\frac{\pi^{3/2}}{2\,\Gamma\left(\frac{3}{4}\right)^6}$$

Printed: 1/2*Pi^(3/2)/GAMMA(3/4)^6
Value: .82222758045838551553472 0
Number of terms: 512
Offset: 0

Sequence: 1, -4, -4, 32, -4, -104, 32, 192, -4, -292, -104, 480, 32, -680, 192, 832, -4, -1160, -292, 1440, -104, -1536, 480, 2112, 32, -2604, -680, 2624, 192, -3368, 832, 3840, -4, -3840, -1160, 4992, -292, -5480, 1440, 5440, -104, -6728, -1536, 7392, 480, -7592, 2112, 8832, 32, -9412, -2604
Name: Expansion of theta_4(q)^2*theta_4(q^2)^4 in powers of q.

Sequence: A121373

$$\frac{\pi^{1/4}\,2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right) e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/24*Pi)*2^(3/4)
Value: 1.04134632454890983379688
Number of terms: 512
Offset: 0

Sequence: 1, 1, -1, 0, 0, -1, 0, -1, 0, 0, 0, 0, -1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0
Name: Expansion of f(x) = f(x, -x^2) in powers of x where f(,) is Ramanujan's general theta function.

Sequence: A121613

$$\frac{\pi}{8\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{2}}}$$

Printed: 1/8*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)
Value: .837746998853123845128604
Number of terms: 512
Offset: 0

Sequence: 1, -4, 6, -8, 13, -12, 14, -24, 18, -20, 32, -24, 31, -40, 30, -32, 48, -48, 38, -56, 42, -44, 78, -48, 57, -72, 54, -72, 80, -60, 62, -104, 84, -68, 96, -72, 74, -124, 96, -80, 121, -84, 108, -120, 90, -112, 128, -120, 98, -156, 102, -104, 192, -108, 110
Name: Expansion of psi(-x)^4 in powers of x where psi() is a Ramanujan theta function.

Sequence: A122854

$$\frac{\pi^{3/2}\sqrt{2}}{8\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\frac{\pi}{2}}}$$

Printed: 1/8*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/2*Pi)*2^(1/2)
Value: 1.39841226354943233331219
Number of terms: 512
Offset: 0

Sequence: 1, 8, 26, 48, 73, 120, 170, 208, 290, 360, 384, 528, 651, 656, 842, 960, 960, 1248, 1370, 1360, 1682, 1848, 1898, 2208, 2353, 2320, 2810, 3120, 2880, 3480, 3722, 3504, 4420, 4488, 4224, 5040, 5330, 5208, 5760, 6240, 5905, 6888, 7540, 6736, 7922, 8160, 7680
Name: Expansion of phi(q)^2*psi(q)^4 in powers of q where phi(),psi() are Ramanujan theta functions.

Sequence: A122865

$$\frac{\sqrt{\pi}\,\sqrt{2}\,3^{1/4}}{6\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{3}}}$$

Printed: 1/6*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/3*Pi)*2^(1/2)*3^(1/4)
Value: 1.04338244272183953745080
Number of terms: 512
Offset: 0

Sequence: 1, 1, 0, 2, 2, 1, 0, 0, 3, 0, 0, 2, 2, 2, 0, 0, 1, 2, 0, 2, 2, 1, 0, 0, 2, 0,

0, 2, 4, 0, 0, 0, 2, 3, 0, 2, 2, 0, 0, 0, 1, 0, 0, 4, 0, 2, 0, 0, 4, 2, 0, 0, 2, 2, 0, 0, 3, 0, 0, 2, 2, 0, 0, 0, 2, 1, 0, 2, 4, 2, 0, 0, 0, 0, 0, 2, 2, 2, 0, 0, 2, 2, 0, 4, 0, 1, 0
Name: Expansion of chi(x) * phi(x^3) * psi(-x^3) in powers of x where chi(), phi(), psi() are Ramanujan theta functions.

Sequence: A124863

$$\frac{1}{8\, e^{-\frac{\pi}{2}}}$$

Printed: 1/8/exp(-1/2*Pi)
Value: .601309672620668956934129
Number of terms: 512
Offset: 0

Sequence: 1, -12, 78, -376, 1509, -5316, 16966, -50088, 138738, -364284, 913824, -2203368, 5130999, -11585208, 25444278, -54504160, 114133296, -234091152, 471062830, -931388232, 1811754522, -3471186596, 6556994502, -12222818640, 22502406793
Name: Expansion of 1 / chi(q)^12 in powers of q where chi() is a Ramanujan theta function.

Sequence: A124972

$$\frac{16}{e^{\pi}}$$

Printed: 16/exp(Pi)
Value: .691422692220355996390686
Number of terms: 512
Offset: -1

Sequence: 1, -8, 20, 0, -62, 0, 216, 0, -641, 0, 1636, 0, -3778, 0, 8248, 0, -17277, 0, 34664, 0, -66878, 0, 125312, 0, -229252, 0, 409676, 0, -716420, 0, 1230328, 0, -2079227, 0, 3460416, 0, -5677816, 0, 9198424, 0, -14729608, 0, 23328520, 0, -36567242, 0, 56774712, 0
Name: Expansion of Fricke's 32*tau_4(z) in powers of q = exp(2*Pi*i*z).

Sequence: A128692

$$\frac{1}{2}$$

Printed: 1/2
Value: .500000000000000000000000
Number of terms: 512
Offset: 0

Sequence: 1, -16, 128, -704, 3072, -11488, 38400, -117632, 335872, -904784, 2320128, -5702208, 13504512, -30952544, 68901888, -149403264, 316342272, -655445792, 1331327616, -2655115712, 5206288384, -10049485312,

19115905536, -35867019904, 66437873664
Name: Expansion of (theta_4(q) / theta_3(q))^4 in powers of q.

Sequence: A128712

$$\frac{2^{3/8}\,\pi^{3/2}}{4\,\Gamma\left(\frac{3}{4}\right)^6\,e^{-\frac{\pi}{8}}}$$

Printed: 1/4*2^(3/8)*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/8*Pi)
Value: .789578542388853476134342
Number of terms: 512
Offset: 0

Sequence: 1, -5, 2, 25, -28, -46, 49, 68, 0, -142, -11, 146, -94, 0, 98, 75, -28, -238, 0, -10, 0, 169, 164, 0, 98, -124, -476, 0, -125, 434, 194, -316, 386, 0, 0, -238, -285, 392, 0, -526, 356, 0, -478, 0, 194, 795, 230, 0, 0, -124, -766, -334, -412, 50, 578, -245, 866, -238, 0, 196, 0, 644, 0, 0, -952, -1006
Name: Expansion of q^(-1/8)* eta(q)^5* eta(q^2)^3/ eta(q^4)^2 in powers of q.

Sequence: A128713

$$\frac{\pi^{3/2}\,2^{1/8}}{8\,\Gamma\left(\frac{3}{4}\right)^6\,e^{-\frac{3\pi}{8}}}$$

Printed: 1/8*Pi^(3/2)/GAMMA(3/4)^6/exp(-3/8*Pi)*2^(1/8)
Value: .728118274632215904301290
Number of terms: 512
Offset: 0

Sequence: 1, -7, 17, -14, 0, -7, 2, 41, -31, 25, -79, 0, 35, 89, 0, -46, -31, -103, 49, 0, 161, -85, 17, -14, 0, 0, 113, -142, -223, 0, 115, 233, 0, 146, -175, 41, -94, 0, -271, 0, 34, -7, 98, 329, 0, 75, 0, -343, 35, 0, 0, -238, 257, 0, 0, -439, 322, -28, 17, 425, 0, -391, 401, 169, 0, -199, -205, -343, -511
Name: Expansion of q^(-3/8)* eta(q)^7* eta(q^4)^2/ eta(q^2)^3 in powers of q.

Sequence: A129588

$$\frac{2\sqrt{2}\,\pi}{\Gamma\left(\frac{3}{4}\right)^4\,e^{-\frac{\pi}{2}}}$$

Printed: 2*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)
Value: 18.9560506818471271242725
Number of terms: 512
Offset: 0

Sequence: 16, 64, 96, 128, 208, 192, 224, 384, 288, 320, 512, 384, 496, 640, 480, 512, 768, 768, 608, 896, 672, 704, 1248, 768, 912, 1152, 864, 1152, 1280, 960, 992, 1664, 1344, 1088, 1536, 1152, 1184, 1984, 1536, 1280, 1936, 1344, 1728, 1920, 1440
Name: Expansion of q^-1 * theta_2(q)^4 in powers of q^2.

Sequence: A132136

$$\frac{1}{e^{-\pi}}$$

Printed: 1/exp(-Pi)
Value: 23.1406926327792690057290
Number of terms: 512
Offset: 1

Sequence: 16, 128, 704, 3072, 11488, 38400, 117632, 335872, 904784, 2320128, 5702208, 13504512, 30952544, 68901888, 149403264, 316342272, 655445792, 1331327616, 2655115712, 5206288384, 10049485312, 19115905536, 35867019904, 66437873664
Name: Expansion of -lambda(t + 1) in powers of the nome q = exp(Pi i t).

Sequence: A132969

$$\frac{2^{1/4}\,\pi^{1/4}}{\Gamma\left(\frac{3}{4}\right)\,e^{\frac{\pi}{24}}}$$

Printed: 2^(1/4)*Pi^(1/4)/GAMMA(3/4)/exp(1/24*Pi)
Value: 1.13347555101555277562449
Number of terms: 512
Offset: 0

Sequence: 1, 3, 2, 1, 5, 5, 3, 5, 6, 10, 10, 8, 13, 15, 15, 16, 23, 27, 25, 30, 35, 40, 42, 45, 55, 66, 68, 70, 86, 95, 100, 110, 125, 141, 150, 161, 185, 207, 215, 235, 266, 293, 310, 335, 375, 410, 438, 470, 521, 575, 610, 653, 725, 785, 835, 900, 983, 1070, 1140
Name: Expansion of phi(q) * chi(q) in powers of q where phi(), chi() are Ramanujan theta functions.

Sequence: A132970

$$\frac{\pi^{1/4}\,2^{7/8}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(1/24*Pi)*2^(7/8)
Value: .87402913255570809187628 0
Number of terms: 512

Offset: 0

Sequence: 1, -3, 2, -1, 5, -5, 3, -5, 6, -10, 10, -8, 13, -15, 15, -16, 23, -27, 25, -30, 35, -40, 42, -45, 55, -66, 68, -70, 86, -95, 100, -110, 125, -141, 150, -161, 185, -207, 215, -235, 266, -293, 310, -335, 375, -410, 438, -470, 521, -575, 610, -653, 725, -785, 835, -900, 983, -1070, 1140, -1220, 1331
Name: Expansion of phi(-x) * chi(-x) in powers of x where phi(), chi() are Ramanujan theta functions.

Sequence: A132977

$$\frac{2\sqrt{3}}{9\,e^{-\frac{\pi}{3}}}$$

Printed: 2/9/exp(-1/3*Pi)*3^(1/2)
Value: 1.0968323006745059495 6
Number of terms: 512
Offset: 0

Sequence: 1, 2, 5, 12, 26, 50, 92, 168, 295, 496, 818, 1332, 2126, 3324, 5126, 7824, 11793, 17548, 25857, 37788, 54734, 78578, 111968, 158496, 222842, 311224, 432095, 596676, 819504, 1119624, 1522282, 2060448, 2776514, 3725294, 4978142, 6626988, 8789042
Name: Expansion of q^(-1/3) * (eta(q^6)^4 / (eta(q) * eta(q^3) * eta(q^4) * eta(q^12)))^2 in powers of q.

Sequence: A133089

$$\frac{\pi^{3/4}\,2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/8*Pi)*2^(1/4)
Value: 1.12923821161678467290154
Number of terms: 512
Offset: 0

Sequence: 1, 3, 0, -5, 0, 0, -7, 0, 0, 0, 9, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0, -13, 0, 0, 0, 0, 0, 0, -15, 0, 0, 0, 0, 0, 0, 0, 17, 0, 0, 0, 0, 0, 0, 0, 0, 19, 0, 0, 0, 0, 0, 0, 0, 0, 0, -21, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -23, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 27, 0, 0, 0, 0, 0, 0, 0
Name: Expansion of f(x)^3 in powers of x where f() is a Ramanujan theta function.

Sequence: A134343

$$\frac{\sqrt{2}\,\sqrt{\pi}}{4\,\Gamma\left(\frac{3}{4}\right)^2\,e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/2)*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/4*Pi)
Value: .915285200827110415663055
Number of terms: 512
Offset: 0

Sequence: 1, -2, 1, -2, 2, 0, 3, -2, 0, -2, 2, -2, 1, -2, 0, -2, 4, 0, 2, 0, 1, -4, 2, 0, 2, -2, 0, -2, 2, -2, 1, -4, 0, 0, 2, 0, 4, -2, 2, -2, 0, 0, 3, -2, 0, -2, 4, 0, 2, -2, 0, -4, 0, 0, 0, -4, 3, -2, 2, 0, 2, -2, 0, 0, 2, -2, 4, -2, 0, -2, 2, 0, 3, -2, 0, 0, 4, 0, 2
Name: Expansion of psi(-x)^2 in powers of x where psi() is a Ramanujan theta function.

Sequence: A134414

$$\frac{32\,\Gamma\left(\frac{3}{4}\right)^5}{\pi^{5/4}\,e^{\pi}}$$

Printed: 32/Pi^(5/4)*GAMMA(3/4)^5/exp(Pi)
Value: .913598254235450764424544
Number of terms: 512
Offset: -1

Sequence: 1, -2, 0, 0, 8, -12, 0, 0, 39, -56, 0, 0, 152, -208, 0, 0, 513, -684, 0, 0, 1560, -2032, 0, 0, 4382, -5616, 0, 0, 11552, -14592, 0, 0, 28899, -36088, 0, 0, 69168, -85500, 0, 0, 159372, -195312, 0, 0, 355224, -431984, 0, 0, 768885, -928720, 0, 0, 1621296, -1946352, 0, 0, 3339201
Name: Expansion of eta(q)^2 / (eta(q^2) * eta(q^4)^6) in powers of q.

Sequence: A134415

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^5\,2^{1/4}}{\pi^{5/4}\,e^{\frac{\pi}{4}}}$$

Printed: 4/Pi^(5/4)*GAMMA(3/4)^5/exp(1/4*Pi)*2^(1/4)
Value: 1.43286422088603952868134
Number of terms: 512
Offset: 0

Sequence: 1, 8, 39, 152, 513, 1560, 4382, 11552, 28899, 69168, 159372, 355224, 768885, 1621296, 3339201, 6732232, 13311450, 25854744, 49398043, 92953016, 172451760, 315744072, 570997539, 1020691248, 1804730732, 3158323272, 5473566645, 9398873032, 15998363307, 27005721648
Name: Expansion of phi(x) / f(-x)^6 in powers of x where phi(), f() are Ramanujan theta functions..

Sequence: A134416

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^5}{\pi^{5/4}}$$

Printed: 2/Pi^(5/4)*GAMMA(3/4)^5
Value: 1.3213310244441435687957 3
Number of terms: 512
Offset: 0

Sequence: 1, 6, 28, 104, 342, 1016, 2808, 7296, 18044, 42750, 97656, 215992, 464360, 973176, 1993328, 3998592, 7870038, 15221232, 28968084, 54311736, 100421688, 183281904, 330468216, 589084288, 1038850488, 1813500030, 3135518440, 5372110496, 9124793472, 15371832424
Name: Expansion of eta(q^4)^2 / (eta(q^2) * eta(q)^6) in powers of q.

Sequence: A134461

$$\frac{\pi^2}{8\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{2}}}$$

Printed: 1/8*Pi^2/GAMMA(3/4)^8/exp(-1/2*Pi)
Value: 1.16715241088455436592138
Number of terms: 512
Offset: 0

Sequence: 1, 4, -2, -24, -11, 44, 22, -8, 50, -44, -96, 56, -121, -152, 198, 160, 176, 48, -162, 88, -198, -52, 22, -528, 233, 200, -242, -88, -176, 668, 550, 264, -44, -188, 224, -728, 154, -484, -1056, 656, -311, -236, -100, 792, 714, -528, 640, 88, -478, -484, 1566, 968, 192, 780, -1994, -648, -942
Name: Expansion of (phi(x) * psi(-x))^4 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A135828

$$\frac{3\,\pi^4\sqrt{2}}{512\,\Gamma\left(\frac{3}{4}\right)^{16} e^{-\frac{3\pi}{2}}}$$

Printed: 3/512*Pi^4/GAMMA(3/4)^16/exp(-3/2*Pi)*2^(1/2)
Value: 3.47527827445388077797893
Number of terms: 512
Offset: 0

Sequence: 1, 36, 378, 2200, 8955, 28836, 78558, 188568, 410805, 828080, 1564686, 2804976, 4809370, 7927380, 12643560, 19594632, 29568204, 43626708, 63094550, 89501040, 124916931, 171803652, 232822908, 311683680, 412601490, 539849556, 699657642, 898801400, 1143680535
Name: Expansion of psi(x^2)^8 * (psi(x)^8 + psi(-x)^8) / 2 in powers of x^2

where psi() is a Ramanujan theta function.

Sequence: A137828

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)\,2^{3/4}}{\pi^{1/4}\,e^{\frac{\pi}{3}}}$$

Printed: 2/Pi^(1/4)*GAMMA(3/4)/exp(1/3*Pi)*2^(3/4)
Value: 1.08644238881964097637574
Number of terms: 512
Offset: 0

Sequence: 1, 2, 0, 0, 4, 4, 0, 0, 9, 12, 0, 0, 20, 24, 0, 0, 42, 50, 0, 0, 80, 92, 0, 0, 147, 172, 0, 0, 260, 296, 0, 0, 445, 510, 0, 0, 744, 840, 0, 0, 1215, 1372, 0, 0, 1944, 2176, 0, 0, 3059, 3424, 0, 0, 4740, 5268, 0, 0, 7239, 8040, 0, 0, 10920, 12072, 0, 0, 16286
Name: Expansion of phi(x) / f(-x^4)^2 in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A137829

$$\frac{\Gamma\left(\frac{3}{4}\right)\sqrt{2}}{2\,\pi^{1/4}\,e^{-\frac{\pi}{6}}}$$

Printed: 1/2/Pi^(1/4)*GAMMA(3/4)/exp(-1/6*Pi)*2^(1/2)
Value: 1.09869560802427764632762
Number of terms: 512
Offset: 0

Sequence: 1, 2, 6, 12, 25, 46, 86, 148, 255, 420, 686, 1088, 1712, 2634, 4020, 6036, 8988, 13214, 19282, 27840, 39923, 56750, 80160, 112384, 156660, 216958, 298894, 409420, 558119, 756950, 1022090, 1373760, 1838932, 2451366, 3255480, 4306920, 5678104, 7459634, 9768386
Name: Expansion of psi(q^2) / f(-q)^2 in powers of q where psi(), f() are Ramanujan theta functions.

Sequence: A137830

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)\sqrt{2}}{\pi^{1/4}\,e^{\frac{\pi}{3}}}$$

Printed: 2/Pi^(1/4)*GAMMA(3/4)/exp(1/3*Pi)*2^(1/2)
Value: .913585510138118412830478
Number of terms: 512
Offset: 0

Sequence: 1, -2, 0, 0, 4, -4, 0, 0, 9, -12, 0, 0, 20, -24, 0, 0, 42, -50, 0, 0, 80, -92, 0, 0, 147, -172, 0, 0, 260, -296, 0, 0, 445, -510, 0, 0, 744, -840, 0, 0, 1215, -1372, 0, 0, 1944, -2176, 0, 0, 3059, -3424, 0, 0, 4740, -5268, 0, 0, 7239, -8040, 0, 0, 10920
Name: Expansion of phi(-x) / f(-x^4)^2 in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A138501

$$\frac{\pi^{3/2}\sqrt{2}}{64\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\pi}}$$

Printed: 1/64*Pi^(3/2)/GAMMA(3/4)^6/exp(-Pi)*2^(1/2)
Value: .840878820383637793111264
Number of terms: 512
Offset: 1

Sequence: 1, -4, 8, -16, 26, -32, 48, -64, 73, -104, 120, -128, 170, -192, 208, -256, 290, -292, 360, -416, 384, -480, 528, -512, 651, -680, 656, -768, 842, -832, 960, -1024, 960, -1160, 1248, -1168, 1370, -1440, 1360, -1664, 1682, -1536, 1848, -1920, 1898, -2112, 2208, -2048, 2353, -2604
Name: Expansion of (eta(q)^2 * eta(q^4)^4 / eta(q^2)^3)^2 in powers of q.

Sequence: A138502

$$\frac{\pi^{3/2}\sqrt{2}}{16\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\frac{\pi}{2}}}$$

Printed: 1/16*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/2*Pi)*2^(1/2)
Value: .699206131774716166656094
Number of terms: 512
Offset: 0

Sequence: 1, -8, 26, -48, 73, -120, 170, -208, 290, -360, 384, -528, 651, -656, 842, -960, 960, -1248, 1370, -1360, 1682, -1848, 1898, -2208, 2353, -2320, 2810, -3120, 2880, -3480, 3722, -3504, 4420, -4488, 4224, -5040, 5330, -5208, 5760, -6240, 5905, -6888, 7540, -6736, 7922, -8160, 7680
Name: Expansion of q^(-1/2) * (eta(q)^4 * eta(q^4)^2 / eta(q^2)^3)^2 in powers of q.

Sequence: A138504

$$\frac{\pi^{3/2}\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)^6}$$

Printed: 1/2*Pi^(3/2)/GAMMA(3/4)^6*2^(1/2)

Value: 1.16280539564146401195078
Number of terms: 512
Offset: 0

Sequence: 1, 4, -4, -32, -4, 104, 32, -192, -4, 292, -104, -480, 32, 680, 192, -832, -4, 1160, -292, -1440, -104, 1536, 480, -2112, 32, 2604, -680, -2624, 192, 3368, 832, -3840, -4, 3840, -1160, -4992, -292, 5480, 1440, -5440, -104, 6728, -1536, -7392, 480, 7592, 2112, -8832, 32, 9412, -2604, -9280
Name: Expansion of (eta(q^2)^9 / (eta(q)^2 * eta(q^4)^4))^2 in powers of q.

Sequence: A138514

$$\frac{\sqrt{\pi}\ 2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/8*Pi)*2^(1/4)
Value: 1.03939803839281871186148
Number of terms: 512
Offset: 0

Sequence: 1, 1, -2, -1, 0, -2, 1, 0, 0, 2, 1, 2, -2, 0, 2, 1, 0, -2, 0, -2, 0, -1, 0, 0, -2, 0, 0, 0, -1, 2, -2, 0, 2, 0, 0, 2, 3, 0, 0, -2, 0, 0, 2, 0, 2, 1, -2, 0, 0, 0, -2, -2, 0, 2, -2, 1, -2, -2, 0, 0, 0, 0, 0, 0, 0, -2, 1, 0, 0, 0, 0, -2, 2, 0, 2, 2, 0, 2, 1, 0, -2, 0, 2, 0, -2, 0, 0, 4, 0, 0, 0, 1, 0, 0, 0, -2, -2, 0, 0, 0, 2, -2, 0, 0, -2
Name: Expansion of q^(-1/8) * eta(q^2)^4 / (eta(q) * eta(q^4)) in powers of q.

Sequence: A138515

$$\frac{\sqrt{2}\ \pi}{4\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/4*Pi)
Value: 1.0803482822148394409513 4
Number of terms: 512
Offset: 0

Sequence: 1, 2, -3, -6, 2, 0, -1, 10, 0, 2, 10, -6, -7, -14, 0, 10, -12, 0, -6, 0, 9, 4, 10, 0, 18, 2, 0, -6, -14, 18, -11, -12, 0, 0, -22, 0, 20, -14, -6, -22, 0, 0, 23, 26, 0, 18, 4, 0, -14, 2, 0, 20, 0, 0, 0, -12, 3, -30, 26, 0, -30, -14, 0, 0, 2, -30, -28, 26, 0, 18, 10, 0, -13, 34, 0, 0, 20, 0, 26, -22, 0, 6, 0, -6, 18, 0
Name: Expansion of q^(-1/4) * eta(q^2)^8 / (eta(q) * eta(q^4))^2 in powers of q.

Sequence: A138559

$$\frac{2^{1/8}\,\pi^{1/4}}{\Gamma\left(\frac{3}{4}\right)\,e^{\frac{\pi}{24}}}$$

Printed: 2^(1/8)*Pi^(1/4)/GAMMA(3/4)/exp(1/24*Pi)
Value: 1.03940166315490448830507
Number of terms: 512
Offset: 0

Sequence: 1, 1, -2, -1, 1, -1, -1, -1, 2, 2, -2, 0, 1, 1, -1, 0, 3, 1, -3, -2, 3, 0, -2, -1, 3, 2, -4, -2, 2, 1, -4, -2, 5, 3, -6, -1, 5, 1, -5, -3, 6, 3, -6, -3, 7, 2, -6, -2, 9, 5, -10, -5, 9, 3, -9, -4, 11, 6, -12, -4, 11, 5, -12, -5, 14, 6, -16, -7, 15, 5, -16, -7, 19, 9, -20, -8, 19, 7, -20, -10, 24, 11, -25, -11, 24, 9, -26, -11, 29, 13, -31, -13
Name: Expansion of phi(x) * chi(-x) in powers of x where phi(), chi() are Ramanujan theta functions.

Sequence: A139093

$$\frac{2^{7/8}\,\sqrt{\pi}}{2\,\Gamma\left(\frac{3}{4}\right)^2}$$

Printed: 1/2*2^(7/8)*Pi^(1/2)/GAMMA(3/4)^2
Value: 1.08237710165638382563814
Number of terms: 512
Offset: 0

Sequence: 1, 2, -2, -4, 2, 0, -4, 0, 2, 6, 0, -4, 4, 0, 0, 0, 2, 4, -6, -4, 0, 0, -4, 0, 4, 2, 0, -8, 0, 0, 0, 0, 2, 8, -4, 0, 6, 0, -4, 0, 0, 4, 0, -4, 4, 0, 0, 0, 4, 2, -2, -8, 0, 0, -8, 0, 0, 8, 0, -4, 0, 0, 0, 0, 2, 0, -8, -4, 4, 0, 0, 0, 6, 4, 0, -4, 4, 0, 0, 0, 0, 10, -4, -4, 0, 0, -4, 0, 4, 4, 0, 0, 0, 0, 0, 0, 4, 4, -2, -12, 2, 0, -8, 0
Name: Expansion of phi(q) * phi(-q^2) in powers of q where phi() is a Ramanujan theta function.

Sequence: A139582

$$\frac{2\,2^{3/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{24}}}$$

Printed: 2*2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)
Value: 2.094418940092084260439 60
Number of terms: 52
Offset: 0

Sequence: 2, 2, 4, 6, 10, 14, 22, 30, 44, 60, 84, 112, 154, 202, 270, 352, 462, 594, 770, 980, 1254, 1584, 2004, 2510, 3150, 3916, 4872, 6020, 7436, 9130, 11208, 13684, 16698, 20286, 24620, 29766, 35954, 43274, 52030, 62370,

74676, 89166, 106348, 126522, 150350, 178268, 211116, 249508, 294546, 347050, 408452
Name: Twice partition numbers.

Sequence: A139820

$$\frac{\sqrt{2}}{2}$$

Printed: 1/2*2^(1/2)
Value: .707106781186547524400845
Number of terms: 512
Offset: 0

Sequence: 1, -8, 32, -96, 256, -624, 1408, -3008, 6144, -12072, 22976, -42528, 76800, -135728, 235264, -400704, 671744, -1109904, 1809568, -2914272, 4640256, -7310592, 11404416, -17626944, 27009024, -41047992, 61905088, -92681664, 137803776, -203554224
Name: Expansion of (phi(-q) / phi(q))^2 in powers of q where phi() is a Ramanujan theta function.

Sequence: A143161

$$\frac{2^{5/8}}{e^{\frac{\pi}{6}}}$$

Printed: 1/exp(1/6*Pi)*2^(5/8)
Value: .913582324141562267377025
Number of terms: 512
Offset: 0

Sequence: 1, -2, 0, 0, 3, -2, 0, 0, 4, -6, 0, 0, 7, -8, 0, 0, 13, -14, 0, 0, 19, -20, 0, 0, 29, -34, 0, 0, 43, -46, 0, 0, 62, -70, 0, 0, 90, -96, 0, 0, 126, -138, 0, 0, 174, -186, 0, 0, 239, -262, 0, 0, 325, -346, 0, 0, 435, -472, 0, 0, 580, -620, 0, 0, 769, -826, 0, 0
Name: Expansion of chi(-x)^2 * chi(-x^2) in powers of x where chi() is a Ramanujan theta function.

Sequence: A143336

$$\frac{2}{\pi}$$

Printed: 2/Pi
Value: .636619772367581343075536
Number of terms: 55
Offset: 0

Sequence: 1, -8, -8, -32, -40, -48, -32, -64, -104, -104, -48, -96, -160, -112, -64, -192, -232, -144, -104, -160, -240, -256, -96, -192, -416, -248, -112, -320, -320, -240, -192, -256, -488, -384, -144, -384, -520, -304, -160, -448, -624, -

336, -256, -352, -480, -624, -192, -384, -928, -456, -248, -576, -560, -432
Name: Expansion of K(k) * (2 * E(k) - K(k)) / (Pi/2)^2 in powers of q where E(k), K(k) are complete elliptic integrals and q = exp(-Pi * K(k') / K(k)).

Sequence: A143337

$$\frac{6}{\pi}$$

Printed: 6/Pi
Value: 1.9098593171027440292266 1
Number of terms: 49
Offset: 0

Sequence: 1, 24, -72, 96, -168, 144, -288, 192, -360, 312, -432, 288, -672, 336, -576, 576, -744, 432, -936, 480, -1008, 768, -864, 576, -1440, 744, -1008, 960, -1344, 720, -1728, 768, -1512, 1152, -1296, 1152, -2184, 912, -1440, 1344, -2160, 1008, -2304, 1056, -2016, 1872, -1728, 1152
Name: Expansion of K(k) * (6 * E(k) - (1 + 4*k'^2) * K(k)) / (Pi/2)^2 in powers of q where E(k), K(k) are complete elliptic integrals and q = exp(-Pi * K(k') / K(k)).

Sequence: A143377

$$\frac{2^{7/8}\sqrt{\pi}}{4\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{6}}}$$

Printed: 1/4*2^(7/8)*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/6*Pi)
Value: .913575952181782036174165
Number of terms: 512
Offset: 0

Sequence: 1, -2, 0, 0, 1, 2, 0, 0, -3, 0, 0, 0, -2, 2, 0, 0, 2, 2, 0, 0, -1, -2, 0, 0, 0, -2, 0, 0, 1, -2, 0, 0, 2, 2, 0, 0, 4, -2, 0, 0, -2, 0, 0, 0, 0, -2, 0, 0, -1, 0, 0, 0, -2, 0, 0, 0, 2, 4, 0, 0, -1, 2, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, -2, 2, 0, 0, -2, -2, 0, 0, 0, -2, 0, 0, 0, 4, 0, 0, 1, 0, 0, 0, 4, 0, 0, 0, -2, 0, 0, 0, 2, -2, 0, 0, 1
Name: Expansion of q^(-1/6) * eta(q)^2 * eta(q^4) / eta(q^2) in powers of q.

Sequence: A143378

$$\frac{\sqrt{\pi}\ 2^{5/8}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/24*Pi)*2^(5/8)
Value: 1.037457015324299238411 49
Number of terms: 512
Offset: 0

Sequence: 1, 1, -3, -2, 2, -1, 0, 1, 2, 4, -2, 0, -1, -2, 2, -1, 0, -2, -2, -2, 0, 0, 1,

4, -2, 2, 1, 0, -2, 0, 4, 0, 2, 0, 0, 1, 0, -4, 0, -2, -3, 0, 2, 2, -4, 0, 0, 2, -2, 0, -2, -3, 2, 0, 2, 2, 0, 1, 4, 0, 0, 0, 2, 0, 0, -4, 0, 2, 0, 2, -1, 0, 0, 2, -2, 2, -2, -1, -2, -4, 0, 0, 0, -2, -2, 0, 0, 2, 2, -2, 2, 0, 1, 0, 0, -2, 0, 0, 0, -2, 5, 2, -4, 2, 0
Name: Expansion of q^(-1/24) * eta(q^2)^5 / (eta(q) * eta(q^4)^2) in powers of q.

Sequence: A143379

$$\frac{2^{3/8}\sqrt{\pi}}{4\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{7\pi}{24}}}$$

Printed: 1/4*2^(3/8)*Pi^(1/2)/GAMMA(3/4)^2/exp(-7/24*Pi)
Value: .956702052360232730543892
Number of terms: 512
Offset: 0

Sequence: 1, -1, 0, -1, -1, 1, 1, 1, -1, 1, 0, 1, 0, 0, -2, -1, 0, 0, -1, 1, 1, -2, 0, 0, 0, 1, 1, 0, 2, 0, 1, -1, -1, 0, 1, -1, 0, 0, 1, 0, -1, -1, 0, -1, -1, -1, 0, 0, 0, 1, 0, 1, 0, 1, -1, -1, 2, 0, -1, 1, -1, 1, 0, 3, 1, -1, 0, 0, 0, 1, -2, 0, 0, -1, -1, 0, -1, 0, 1, 0, 0, 1, -1, -1, -1, 0, 0, 0, 0, -1, 0, -2, 0, 1, 2, 1, -1, 0, 2, 1, 0, 0, 0, 0, 1
Name: Expansion of q^(-7/24) * eta(q) * eta(q^4)^2 / eta(q^2) in powers of q.

Sequence: A143380

$$\frac{\sqrt{\pi}\;2^{1/8}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{6}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/6*Pi)*2^(1/8)
Value: 1.0864310224299608719149 0
Number of terms: 512
Offset: 0

Sequence: 1, 2, 0, 0, 1, -2, 0, 0, -3, 0, 0, 0, -2, -2, 0, 0, 2, -2, 0, 0, -1, 2, 0, 0, 0, 2, 0, 0, 1, 2, 0, 0, 2, -2, 0, 0, 4, 2, 0, 0, -2, 0, 0, 0, 0, 2, 0, 0, -1, 0, 0, 0, -2, 0, 0, 0, 2, -4, 0, 0, -1, -2, 0, 0, 0, 0, 0, 0, -2, 0, 0, 0, -2, -2, 0, 0, -2, 2, 0, 0, 0
Name: Expansion of q^(-1/6) * eta(q^2)^5 / (eta(q)^2 * eta(q^4)) in powers of q.

Sequence: A143894

$$\frac{4\,2^{3/4}}{e^{\frac{\pi}{2}}}$$

Printed: 4/exp(1/2*Pi)*2^(3/4)
Value: 1.3984415244625323450802 4
Number of terms: 512
Offset: 0

Sequence: 1, 8, 26, 48, 79, 168, 326, 496, 755, 1296, 2106, 3072, 4460, 6840, 10284, 14448, 20165, 29184, 41640, 56880, 77352, 107472, 147902, 197616, 263019, 354888, 475516, 624048, 816065, 1076736, 1413142, 1826416, 2353446, 3050400, 3936754, 5022720
Name: Expansion of (chi(q)^5 * chi(-q))^2 in powers of q where chi() is a Ramanujan theta function.

Sequence: A143895

$$\frac{2\,2^{3/4}}{e^{\frac{\pi}{4}}}$$

Printed: 2/exp(1/4*Pi)*2^(3/4)
Value: 1.53358694886366531254628
Number of terms: 512
Offset: 0

Sequence: 1, 10, 47, 150, 403, 1002, 2316, 5004, 10309, 20456, 39240, 73102, 132779, 235868, 410785, 702630, 1182342, 1960418, 3206675, 5179670, 8270086, 13062994, 20427293, 31644200, 48589970, 73994118, 111802523, 167685238, 249745021, 369499928
Name: Expansion of (chi(q)^4 / chi(-q))^2 in powers of q where chi() is a Ramanujan theta function.

Sequence: A153728

$$\frac{3\,\pi^2\sqrt{2}}{8\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{6}}}$$

Printed: 3/8*Pi^2/GAMMA(3/4)^8/exp(-1/6*Pi)*2^(1/2)
Value: 1.73768761609728446645070
Number of terms: 512
Offset: 0

Sequence: 1, 20, -70, 56, -125, 308, 110, -520, 57, 0, 182, -880, 1190, 884, 0, -1400, -1330, 1820, -646, 0, -1331, 380, 1120, 2576, 0, 1748, -3850, -3400, 2703, -2500, 3458, 0, -1150, -5236, 0, 6032, 6160, -3220, 4466, 0, -7378, -3920, 0, 2200, 0, 812, -4030, 5600, -4913
Name: Expansion of q^(-1/3) * (eta(q)^8 + 8 * eta(q^4)^8) in powers of q^2.

Sequence: A153729

$$\frac{3\,\pi^2}{8\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{3}}}$$

Printed: 3/8*Pi^2/GAMMA(3/4)^8/exp(-1/3*Pi)

Value: 2.07421020770221958756611
Number of terms: 512
Offset: 0

Sequence: 1, 24, 20, 0, -70, -192, 56, 0, -125, 480, 308, 0, 110, 0, -520, 0, 57, -1680, 0, 0, 182, 1536, -880, 0, 1190, 1344, 884, 0, 0, 0, -1400, 0, -1330, -3000, 1820, 0, -646, -3840, 0, 0, -1331, 7392, 380, 0, 1120, 0, 2576, 0, 0, 2640, 1748, 0, -3850, 0, -3400, 0, 2703, -12480, -2500, 0
Name: Expansion of q^(-1/3) * (eta(q)^8 + 32 * eta(q^4)^8) in powers of q.

Sequence: A159814

$$\frac{\pi^{7/4}\sqrt{2}}{64\,\Gamma\left(\frac{3}{4}\right)^7 e^{-\pi}}$$

Printed: 1/64*Pi^(7/4)/GAMMA(3/4)^7/exp(-Pi)*2^(1/2)
Value: .91356002247676666925753
Number of terms: 512
Offset: 1

Sequence: 1, -2, 0, 0, -4, 12, 0, 0, -3, -20, 0, 0, 28, -8, 0, 0, -8, 42, 0, 0, -72, -20, 0, 0, 29, 36, 0, 0, 84, -72, 0, 0, 24, -40, 0, 0, -68, 36, 0, 0, -112, 24, 0, 0, 84, 248, 0, 0, -39, -158, 0, 0, -12, -144, 0, 0, 216, -116, 0, 0, -108, -16, 0, 0, 80, 144, 0, 0, 48, 152, 0, 0, -232, 220
Name: Expansion of eta(z)^2*eta(4*z)^6/eta(2*z).

Sequence: A159819

$$\frac{\sqrt{2}\,\pi\,3^{1/4}}{12\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{2}}}$$

Printed: 1/12*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)*3^(1/4)
Value: 1.03948190377455748027007
Number of terms: 512
Offset: 0

Sequence: 1, 1, -2, 0, 1, -4, -2, -2, 2, 4, 0, 8, -1, 1, 6, -8, -4, 0, 6, -2, -6, -4, -2, 0, -7, 2, -2, 8, 4, -4, -2, 0, 4, 4, 8, -8, 10, -1, 0, 8, 1, 4, -4, 6, -6, 0, -8, -8, 2, -4, -18, -16, 0, 12, -2, 6, 18, -16, -2, 0, 5, -6, 12, 8, -4, 4, 0, -2, -6, 12, 0, 8, -12
Name: Coefficients of L-series for elliptic curve \48a4\: y^2 = x^3 + x^2 + x.

Sequence: A160832

$$\frac{2^{1/4}\,\pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{7\pi}{24}}}$$

Printed: 1/4*2^(1/4)*Pi^(3/4)/GAMMA(3/4)^3/exp(-7/24*Pi)
Value: .953128879795322238355592
Number of terms: 512
Offset: 0

Sequence: 1, -1, -2, 1, -1, 3, 3, -1, -1, -3, 2, -3, -2, 0, 0, 1, 2, 4, -3, 5, 3, -2, -4, 0, -2, -1, 1, -2, 2, -6, -3, -1, 3, 4, 5, -3, 2, 2, 3, 4, -7, 1, 4, -1, -3, 1, -4, 0, -4, 1, -2, 1, -2, -3, 1, -5, 0, 4, 1, 3, 5, 1, 4, -1, 7, -5, -2, 0, 0, -1, -2, 6, 8, -5, -5, -4, -3, 0, -1, 0, -6, -1, -3, 3, -3, 6, -2, -6, 6, 1, -4, 6, 0, 5, 6, 7, -5, -4, 4, -5, 2, 4, 6, -4, -3
Name: Expansion of eta(q)*eta(q^2)*eta(q^4), where eta(q) = Product((1-q^m), m=1..oo).

Sequence: A161969

$$\frac{\pi^2}{4\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{3}}}$$

Printed: 1/4*Pi^2/GAMMA(3/4)^8/exp(-1/3*Pi)
Value: 1.38280680513481305837740
Number of terms: 58
Offset: 0

Sequence: 1, 8, 20, 0, -70, -64, 56, 0, -125, 160, 308, 0, 110, 0, -520, 0, 57, -560, 0, 0, 182, 512, -880, 0, 1190, 448, 884, 0, 0, 0, -1400, 0, -1330, -1000, 1820, 0, -646, -1280, 0, 0, -1331, 2464, 380, 0, 1120, 0, 2576, 0, 0, 880, 1748, 0, -3850, 0, -3400, 0, 2703
Name: Expansion of f(q)^8 in powers of q where f() is a Ramanujan theta function.

Sequence: A164271

$$\frac{\sqrt{3}}{18\,e^{-\frac{2\pi}{3}}}$$

Printed: 1/18/exp(-2/3*Pi)*3^(1/2)
Value: .781398113071504379322512
Number of terms: 512
Offset: 0

Sequence: 1, -6, 25, -84, 248, -666, 1662, -3912, 8774, -18894, 39289, -79248, 155612, -298338, 559812, -1030224, 1862647, -3313494, 5807096, -10037796, 17129888, -28886052, 48170178, -79492824, 129900206, -210314976, 337545438, -537278124, 848509124
Name: Expansion of (f(-q^2) * f(q^3) * f(-q^6) / f(q)^3)^2 in powers of q where f() is a Ramanujan theta function.

Sequence: A173763

$$\frac{3\,\pi^5}{256\,\Gamma\left(\frac{3}{4}\right)^{20}\,e^{-\pi}}$$

Printed: 3/256*Pi^5/GAMMA(3/4)^20/exp(-Pi)
Value: 1.42341355441438002815191
Number of terms: 512
Offset: 1

Sequence: 1, 16, -156, 256, 870, -2496, -952, 4096, 4653, 13920, -56148, -39936, 178094, -15232, -135720, 65536, -247662, 74448, 315380, 222720, 148512, -898368, 204504, -638976, -1196225, 2849504, 2344680, -243712, -3840450, -2171520, -1309408, 1048576, 8759088, -3962592, -828240, 1191168, 4307078
Name: Expansion of (eta(q^2)^7 / eta(q^4)^2)^4 + 16 * q * (eta(q)^2 * eta(q^2) * eta(q^4)^2)^4 in powers of q.

Sequence: A178333

$$\frac{1}{e^{\pi}}$$

Printed: 1/exp(Pi)
Value: .432139182637722497744179e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of mountain numbers.

Sequence: A178902

$$\frac{\pi^{3/4}\,2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)^{3}\,e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/24*Pi)*2^(3/4)
Value: 1.22914334450127038385222
Number of terms: 512
Offset: 0

Sequence: 1, 5, 7, 0, 0, 11, 0, -13, 0, 0, 0, 0, -17, 0, 0, -19, 0, 0, 0, 0, 0, 0, -23, 0, 0, 0, 25, 0, 0, 0, 0, 0, 0, 0, 0, 29, 0, 0, 0, 0, 31, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 35, 0, 0, 0, 0, 0, -37, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -41, 0, 0, 0, 0, 0, 0, -43, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -47, 0, 0, 0, 0, 0, 0
Name: Expansion of q^(-1/24) * eta(q^2)^13 / (eta(q)^5 * eta(q^4)^5) in powers of q.

Sequence: A182818

$$\frac{2^{5/8}\,\Gamma\left(\frac{3}{4}\right)^2}{\sqrt{\pi}\;e^{\frac{\pi}{24}}}$$

Printed: 2^(5/8)/Pi^(1/2)*GAMMA(3/4)^2/exp(1/24*Pi)
Value: 1.14627121648118229187514
Number of terms: 512
Offset: 0

Sequence: 1, 3, 8, 19, 41, 83, 161, 299, 538, 942, 1610, 2694, 4427, 7153, 11387, 17884, 27741, 42543, 64565, 97034, 144519, 213432, 312720, 454803, 656835, 942364, 1343596, 1904354, 2684008, 3762667, 5248002, 7284132, 10063319, 13841107, 18956002
Name: G.f.: exp(Sum_{n>=1} sigma(2n)*x^n/n).

Sequence: A182820

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^4 2^{1/8}}{\pi\,e^{\frac{\pi}{24}}}$$

Printed: 2/Pi*GAMMA(3/4)^4/exp(1/24*Pi)*2^(1/8)
Value: 1.37339366438541658224017
Number of terms: 512
Offset: 0

Sequence: 1, 7, 32, 119, 385, 1127, 3057, 7799, 18914, 43950, 98434, 213486, 450051, 925013, 1858355, 3657052, 7062245, 13404195, 25038741, 46086250, 83669927, 149970936, 265608168, 465149039, 806022315, 1382822644, 2350101516, 3958427938
Name: G.f.: exp(Sum_{n>=1} sigma(4n)*x^n/n).

Sequence: A185012

$$\frac{1}{e^{2\pi}}$$

Printed: 1/exp(2*Pi)
Value: .186744273170798881443022e-2
Number of terms: 87
Offset: 0

Sequence: 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of two.

Sequence: A185013

$$\frac{1}{e^{3\pi}}$$

Printed: 1/exp(3*Pi)
Value: .806995175703045992392060e-4
Number of terms: 87
Offset: 0

Sequence: 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of {3}.

Sequence: A185014

$$\frac{1}{e^{4\pi}}$$

Printed: 1/exp(4*Pi)
Value: .348734235620899549177518e-5
Number of terms: 87
Offset: 0

Sequence: 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of four.

Sequence: A185015

$$\frac{1}{e^{5\pi}}$$

Printed: 1/exp(5*Pi)
Value: .150701727539006461074814e-6
Number of terms: 87
Offset: 0

Sequence: 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of 5.

Sequence: A185016

$$\frac{1}{e^{6\pi}}$$

Printed: 1/exp(6*Pi)

Value: .651241213607990072821256e-8
Number of terms: 87
Offset: 0

Sequence: 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of 6.

Sequence: A185017

$$\frac{1}{e^{7\pi}}$$

Printed: 1/exp(7*Pi)
Value: .281426845748555272109118e-9
Number of terms: 103
Offset: 0

Sequence: 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
Name: Characteristic function of 7.

Sequence: A185152

$$\frac{1}{8\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\pi}}$$

Printed: 1/8/GAMMA(3/4)^4/exp(-Pi)
Value: 1.28277706033901442756438
Number of terms: 512
Offset: 1

Sequence: 1, 6, 12, 12, 30, 72, 56, 24, 117, 180, 132, 144, 182, 336, 360, 48, 306, 702, 380, 360, 672, 792, 552, 288, 775, 1092, 1080, 672, 870, 2160, 992, 96, 1584, 1836, 1680, 1404, 1406, 2280, 2184, 720, 1722, 4032, 1892, 1584, 3510, 3312, 2256, 576, 2793, 4650
Name: Expansion of (q/2) * phi(q)^3 (d/dq) phi(q) in powers of q.

Sequence: A185653

$$\frac{2^{1/8}\,\pi^{3/2}}{4\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\frac{\pi}{8}}}$$

Printed: 1/4*2^(1/8)*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/8*Pi)
Value: .663953765856039983111028
Number of terms: 512

Offset: 0

Sequence: 1, -9, 30, -39, 0, 18, 49, 0, -192, 110, 81, 78, -130, 0, -30, -121, 0, 210, 320, -270, 0, -407, 0, 192, 190, 0, 0, 0, 351, -210, -418, 0, -510, 448, 0, 462, 611, 0, -960, 50, 0, 0, -350, 0, 450, -361, -162, 960, 0, 0, 798, -782, 0, -1170, -290, -441, 702, 850, 0, 0, 576
Name: Expansion of exp(Sum_{n>=1} -3*sigma(2n)*x^n/n) in powers of x.

Sequence: A186690

$$\frac{1}{8\,\pi\,e^{-\pi}}$$

Printed: 1/8/Pi/exp(-Pi)
Value: .920738904769256552400564
Number of terms: 512
Offset: 1

Sequence: 1, -2, 4, -4, 6, -8, 8, -8, 13, -12, 12, -16, 14, -16, 24, -16, 18, -26, 20, -24, 32, -24, 24, -32, 31, -28, 40, -32, 30, -48, 32, -32, 48, -36, 48, -52, 38, -40, 56, -48, 42, -64, 44, -48, 78, -48, 48, -64, 57, -62, 72, -56, 54, -80, 72, -64, 80, -60, 60, -96, 62, -64
Name: Expansion of - (1/8) theta_3''(0, q) / theta_3(0, q) in powers of q.

Sequence: A187053

$$\frac{2^{1/8}}{4\,e^{-\frac{3\pi}{8}}}$$

Printed: 1/4/exp(-3/8*Pi)*2^(1/8)
Value: .885543482044588675504988
Number of terms: 512
Offset: 0

Sequence: 1, -3, 9, -22, 48, -99, 194, -363, 657, -1155, 1977, -3312, 5443, -8787, 13968, -21894, 33873, -51795, 78345, -117312, 174033, -255945, 373353, -540486, 776848, -1109040, 1573209, -2218198, 3109713, -4335840, 6014123, -8300811, 11402928
Name: Expansion of (psi(x^2) / psi(x))^3 in powers of x where psi() is a Ramanujan theta function.

Sequence: A187076

$$\frac{\pi}{2\,\Gamma\left(\frac{3}{4}\right)^4\,e^{-\frac{\pi}{6}}}$$

Printed: 1/2*Pi/GAMMA(3/4)^4/exp(-1/6*Pi)
Value: 1.17592806120732277488122
Number of terms: 512

Offset: 0

Sequence: 1, 4, 2, -8, -5, 4, -10, -8, 9, 0, 14, 16, -10, 4, 0, 8, 14, -20, 2, 0, -11, -20, -32, 16, 0, 4, 14, -8, -9, -20, 26, 0, 2, 28, 0, 16, 16, 28, -22, 0, 14, -16, 0, -40, 0, 28, 26, -32, -17, 0, -32, 16, -22, 0, -10, -32, -34, 8, 14, 0, 45, 4, 38, -8, 0, 0, -34
Name: Coefficients of L-series for elliptic curve \144a1\: y^2 = x^3 - 1.

Sequence: A187149

$$\frac{\pi\, 2^{3/4}}{8\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{3}}}$$

Printed: 1/8*Pi/GAMMA(3/4)^4/exp(-1/3*Pi)*2^(3/4)
Value: .834621020404849697541670
Number of terms: 512
Offset: 0

Sequence: 1, -4, 4, 0, 2, 0, -8, 0, -5, 16, 4, 0, -10, 0, -8, 0, 9, -8, 0, 0, 14, 0, 16, 0, -10, -32, 4, 0, 0, 0, 8, 0, 14, 20, -20, 0, 2, 0, 0, 0, -11, 16, -20, 0, -32, 0, 16, 0, 0, 40, 4, 0, 14, 0, -8, 0, -9, -32, -20, 0, 26, 0, 0, 0, 2, -36, 28, 0, 0, 0, 16, 0, 16, 0, 28, 0, -22, 0, 0, 0, 14, -56, -16
Name: Expansion of psi(-x)^4 * chi(-x^2)^2 in powers of x where psi(), chi() are Ramanujan theta functions.

Sequence: A187150

$$\frac{\pi\, 2^{3/4}}{16\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{7\pi}{12}}}$$

Printed: 1/16*Pi/GAMMA(3/4)^4/exp(-7/12*Pi)*2^(3/4)
Value: .915278816990281489147575
Number of terms: 512
Offset: 0

Sequence: 1, -2, 1, -2, 0, 4, 1, 2, -5, 0, -5, 4, 1, -2, -5, 0, 7, 4, 7, 0, -4, -10, 7, -8, 0, 4, 0, -8, 2, 0, 1, -2, 0, 2, 0, 14, 7, 0, -5, 10, -11, -8, -10, -2, 0, 10, -4, 4, 0, 0, -5, -8, -11, 10, 0, 0, 14, -2, 20, 0, -11, 4, 13, 2, -5, -14, 0, -14, 13, 0, -11, -14, 8, -2, 0, 10, 13, -18, 0, 0, -5
Name: Expansion of psi(-x)^4 / chi(-x)^2 in powers of x where psi(), chi() are Ramanujan theta functions.

Sequence: A189925

$$\frac{2^{3/4}}{2}$$

Printed: 1/2*2^(3/4)

Value: .840896415253714543031125
Number of terms: 512
Offset: 0

Sequence: 1, -4, 8, -16, 32, -56, 96, -160, 256, -404, 624, -944, 1408, -2072, 3008, -4320, 6144, -8648, 12072, -16720, 22976, -31360, 42528, -57312, 76800, -102364, 135728, -179104, 235264, -307672, 400704, -519808, 671744, -864960, 1109904
Name: Expansion of theta_4/theta_3 in powers of q.

Sequence: A192096

$$\frac{2^{3/4}}{e^{-\frac{\pi}{12}}}$$

Printed: 1/exp(-1/12*Pi)*2^(3/4)
Value: 2.18509602121714252767655
Number of terms: 512
Offset: 0

Sequence: 2, 4, 6, 12, 18, 28, 44, 64, 92, 132, 186, 256, 352, 476, 638, 852, 1124, 1472, 1920, 2484, 3196, 4096, 5216, 6612, 8350, 10496, 13140, 16396, 20380, 25244, 31178, 38380, 47104, 57660, 70380, 85684, 104068, 126080, 152396, 183808, 221208, 265664, 318432
Name: Maximum number of tatami tilings of any m X m square region with exactly n horizontal dimers and m monomers.

Sequence: A195861

$$\frac{2^{7/8}}{16\, e^{-\frac{5\pi}{8}}}$$

Printed: 1/16/exp(-5/8*Pi)*2^(7/8)
Value: .816613367312820950762619
Number of terms: 512
Offset: 0

Sequence: 1, -5, 20, -65, 185, -481, 1165, -2665, 5820, -12220, 24802, -48880, 93865, -176125, 323685, -583798, 1035060, -1806600, 3108085, -5276305, 8846884, -14663645, 24044285, -39029560, 62755345, -100004806, 158022900, -247710570, 385366265
Name: Expansion of (psi(x) / phi(x))^5 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A204342

$$\frac{3\,\pi^{5/2}\sqrt{2}}{8\,\Gamma\left(\frac{3}{4}\right)^{10}\,e^{-\frac{\pi}{2}}}$$

Printed: 3/8*Pi^(5/2)/GAMMA(3/4)^10/exp(-1/2*Pi)*2^(1/2)
Value: 5.84482038269313462361639
Number of terms: 512
Offset: 0

Sequence: 1, 80, 626, 2400, 6481, 14640, 28562, 50080, 83522, 130320, 192000, 279840, 391251, 524960, 707282, 923520, 1171200, 1502400, 1874162, 2284960, 2825762, 3418800, 4057106, 4879680, 5762401, 6681760, 7890482, 9164640, 10425600
Name: a(n) = (-1)^n * Sum_{2*m + 1 | 2*n + 1} (-1)^m (2*m + 1)^4.

Sequence: A204372

$$\frac{9\,\pi^{5/2}}{4\,\Gamma\left(\frac{3}{4}\right)^{10}}$$

Printed: 9/4*Pi^(5/2)/GAMMA(3/4)^10
Value: 5.1548881328575593576 4361
Number of terms: 512
Offset: 0

Sequence: 5, 4, 4, -320, 4, 2504, -320, -9600, 4, 25924, 2504, -58560, -320, 114248, -9600, -200320, 4, 334088, 25924, -521280, 2504, 768000, -58560, -1119360, -320, 1565004, 114248, -2099840, -9600, 2829128, -200320, -3694080, 4, 4684800
Name: Expansion of phi(x)^2 * (5 * phi(-x)^8 + 64 * x * psi(-x)^8) in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A204386

$$\frac{9\,\pi^{2}}{256\,\Gamma\left(\frac{3}{4}\right)^{8}\,e^{-\pi}}$$

Printed: 9/256*Pi^2/GAMMA(3/4)^8/exp(-Pi)
Value: 1.57909507669668574144176
Number of terms: 512
Offset: 1

Sequence: 1, 12, 28, 96, 126, 336, 344, 768, 757, 1512, 1332, 2688, 2198, 4128, 3528, 6144, 4914, 9084, 6860, 12096, 9632, 15984, 12168, 21504, 15751, 26376, 20440, 33024, 24390, 42336, 29792, 49152, 37296, 58968, 43344, 72672, 50654, 82320, 61544, 96768
Name: Expansion of (theta_2(q)^8 + 4 * theta_2(q^2)^8) / 256 in powers of q^2.

Sequence: A207541

$$\frac{2^{3/4}\,\pi}{2\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 1/2*2^(3/4)*Pi/GAMMA(3/4)^4
Value: 1.17154019019007384610586
Number of terms: 512
Offset: 0

Sequence: 1, 4, 0, -16, -8, 24, 0, -32, 24, 52, 0, -48, -32, 56, 0, -96, 24, 72, 0, -80, -48, 128, 0, -96, 96, 124, 0, -160, -64, 120, 0, -128, 24, 192, 0, -192, -104, 152, 0, -224, 144, 168, 0, -176, -96, 312, 0, -192, 96, 228, 0, -288, -112, 216, 0, -288, 192, 320, 0
Name: Expansion of phi(q)^3 * phi(-q) in powers of q where phi() is a Ramanujan theta function.

Sequence: A208451

$$\frac{\pi\,2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 1/2*Pi*2^(1/4)/GAMMA(3/4)^4
Value: .828404012915978817688255
Number of terms: 512
Offset: 0

Sequence: 1, -4, 0, 16, -8, -24, 0, 32, 24, -52, 0, 48, -32, -56, 0, 96, 24, -72, 0, 80, -48, -128, 0, 96, 96, -124, 0, 160, -64, -120, 0, 128, 24, -192, 0, 192, -104, -152, 0, 224, 144, -168, 0, 176, -96, -312, 0, 192, 96, -228, 0, 288, -112, -216, 0, 288, 192, -320
Name: Expansion of phi(q) * phi(-q)^3 in powers of q where phi() is a Ramanujan theta function.

Sequence: A208845

$$\frac{\sqrt{\pi}\,\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{\pi}{12}}}$$

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/12*Pi)*2^(1/2)
Value: 1.08440216765152345156496
Number of terms: 512
Offset: 0

Sequence: 1, 2, -1, -2, 1, -2, -2, 0, -2, 2, 1, 0, 0, -2, 3, 2, 2, 0, 0, 2, -2, 0, 0, 2, -1, 0, 2, -2, -2, -2, 1, -2, 0, -2, -2, 2, 2, 0, -2, 0, -4, 0, 0, 0, 1, 2, 0, 0, 2, 0, 2, -

2, 1, 2, 0, -2, 2, 0, 0, 2, 0, 2, 0, 2, 2, 0, -4, 0, 0, 2, -1, -2, 0, -2, 0, 0, 0, 2, 2
Name: Expansion of f(x)^2 in powers of x where f() is a Ramanujan theta function.

Sequence: A209676

$$\frac{\pi^3}{8\,\Gamma\left(\frac{3}{4}\right)^{12} e^{-\frac{\pi}{2}}}$$

Printed: 1/8*Pi^3/GAMMA(3/4)^12/exp(-1/2*Pi)
Value: 1.62608132538647290730041
Number of terms: 512
Offset: 0

Sequence: 1, 12, 54, 88, -99, -540, -418, 648, 594, -836, 1056, 4104, -209, -4104, -594, -4256, -6480, 4752, -298, -5016, 17226, 12100, -5346, 1296, -9063, 7128, 19494, -29160, -10032, 7668, -34738, -8712, -22572, -21812, 49248, 46872, 67562, -2508, -47520, 76912
Name: Expansion of f(x)^12 in powers of x where f() is a Ramanujan theta function.

Sequence: A209941

$$\frac{\sqrt{2}\,\pi^{3/2}}{4\,\Gamma\left(\frac{3}{4}\right)^{6} e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/2)*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/4*Pi)
Value: 1.27517893857547416257955
Number of terms: 512
Offset: 0

Sequence: 1, 6, 9, -10, -30, 0, 11, -42, 0, 70, 18, 54, 49, -90, 0, 22, -60, 0, -110, 0, 81, -180, -78, 0, 130, 198, 0, 182, -30, -90, 121, -84, 0, 0, 210, 0, -252, 102, -270, -170, 0, 0, -69, -330, 0, 38, 420, 0, -190, 390, 0, 108, 0, 0, 0, 300, 99, -442, 210, 0, 418
Name: Expansion of f(x)^6 in powers of x where f() is a Ramanujan theta function.

Sequence: A209942

$$\frac{\sqrt{2}\,\pi^{5/2}}{4\,\Gamma\left(\frac{3}{4}\right)^{10} e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/2)*Pi^(5/2)/GAMMA(3/4)^10/exp(-1/4*Pi)
Value: 1.77658430827576095584414
Number of terms: 512
Offset: 0

Sequence: 1, 14, 81, 238, 322, 0, -429, -82, 0, -2162, -3038, 1134, 2401, -2482, 0, 6958, 3332, 0, 1442, 0, 6561, 4508, -9758, 0, -1918, -18802, 0, -9362, -24638, 19278, 14641, -14756, 0, 0, 6562, 0, -1148, 33998, 26082, 20398, 0, 0, 28083, -49042, 0, 64078, -30268, 0
Name: Expansion of (psi(-x) * phi(x)^4)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A212885

$$\frac{\pi^{3/4}\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)^3}$$

Printed: 1/2*Pi^(3/4)*2^(1/2)/GAMMA(3/4)^3
Value: .906767655167731220246590
Number of terms: 512
Offset: 0

Sequence: 1, -2, -4, 8, 6, -8, -8, 0, 12, -10, -8, 24, 8, -8, -16, 0, 6, -16, -12, 24, 24, -16, -8, 0, 24, -10, -24, 32, 0, -24, -16, 0, 12, -16, -16, 48, 30, -8, -24, 0, 24, -32, -16, 24, 24, -24, -16, 0, 8, -18, -28, 48, 24, -24, -32, 0, 48, -16, -8, 72, 0, -24, -32
Name: Expansion of phi(q) * phi(-q)^2 in powers of q where phi() is a Ramanujan theta function.

Sequence: A213022

$$\frac{\pi^{3/4}\,2^{3/8}}{2\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/8*Pi)*2^(3/8)
Value: 1.23144300178919027612552
Number of terms: 512
Offset: 0

Sequence: 1, 5, 8, 5, 8, 16, 9, 8, 16, 8, 17, 24, 8, 16, 16, 13, 24, 16, 16, 24, 32, 13, 8, 32, 8, 24, 40, 16, 25, 24, 24, 24, 32, 16, 16, 40, 17, 32, 32, 16, 40, 48, 16, 16, 32, 21, 48, 32, 16, 24, 40, 32, 24, 56, 24, 45, 40, 16, 32, 24, 32, 40, 48, 16, 32, 64, 25, 24
Name: Expansion of phi(x)^2 * psi(x) in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A213384

$$\frac{\pi^{3/4}\,2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^3}$$

Printed: 1/2*Pi^(3/4)*2^(1/4)/GAMMA(3/4)^3

Value: .762497670698561548055220
Number of terms: 512
Offset: 0

Sequence: 1, -6, 12, -8, 6, -24, 24, 0, 12, -30, 24, -24, 8, -24, 48, 0, 6, -48, 36, -24, 24, -48, 24, 0, 24, -30, 72, -32, 0, -72, 48, 0, 12, -48, 48, -48, 30, -24, 72, 0, 24, -96, 48, -24, 24, -72, 48, 0, 8, -54, 84, -48, 24, -72, 96, 0, 48, -48, 24, -72, 0, -72, 96
Name: Expansion of phi(-q)^3 in powers of q where phi() is a Ramanujan theta function.

Sequence: A213598

$$\frac{2^{3/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{24}}}$$

Printed: 2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)
Value: 1.04720947004604213021980
Number of terms: 512
Offset: 0

Sequence: 1, 1, 2, 3, 5, 7, 11, 15, 22, 30, 42, 56, 77, 101, 135, 176, 231, 297, 385, 490, 627, 792, 1002, 1255, 1575, 1958, 2436, 3010, 3718, 4565, 5604, 6842, 8349, 10143, 12310, 14883, 17977, 21637, 26015, 31185, 37338, 44583, 53174, 63261, 75175, 89134, 105558, 124754, 147273, 173524
Name: Number of partitions of n in which no parts are multiples of 49.

Sequence: A213791

$$\frac{\pi^{3/2}\sqrt{2}}{32\,\Gamma\left(\frac{3}{4}\right)^{6}\,e^{-\frac{3\pi}{4}}}$$

Printed: 1/32*Pi^(3/2)/GAMMA(3/4)^6/exp(-3/4*Pi)*2^(1/2)
Value: .766777430087590497655197
Number of terms: 512
Offset: 0

Sequence: 1, -6, 15, -26, 45, -66, 82, -120, 156, -170, 231, -276, 290, -390, 435, -438, 561, -630, 651, -780, 861, -842, 1020, -1170, 1095, -1326, 1431, -1370, 1716, -1740, 1682, -2016, 2145, -2132, 2415, -2550, 2353, -2850, 3120, -2810, 3321, -3486, 3285, -3906, 4005
Name: Expansion of psi(-x)^6 in powers of x where psi() is a Ramanujan theta function.

Sequence: A215472

$$\frac{\pi^{5/2}\,2^{3/4}}{16\,\Gamma\left(\frac{3}{4}\right)^{10}\,e^{-\frac{\pi}{4}}}$$

Printed: 1/16*Pi^(5/2)/GAMMA(3/4)^10/exp(-1/4*Pi)*2^(3/4)
Value: .528181674950930628790282
Number of terms: 512
Offset: 0

Sequence: 1, -14, 81, -238, 322, 0, -429, 82, 0, 2162, -3038, -1134, 2401, 2482, 0, -6958, 3332, 0, 1442, 0, 6561, -4508, -9758, 0, -1918, 18802, 0, 9362, -24638, -19278, 14641, 14756, 0, 0, 6562, 0, -1148, -33998, 26082, -20398, 0, 0, 28083, 49042, 0, -64078, -30268
Name: Expansion of (psi(x) * phi(-x)^4)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A215596

$$\frac{\pi\,2^{5/8}}{16\,\Gamma\left(\frac{3}{4}\right)^{4}\,e^{-\frac{5\pi}{8}}}$$

Printed: 1/16*Pi/GAMMA(3/4)^4/exp(-5/8*Pi)*2^(5/8)
Value: .956695379653418889599025
Number of terms: 512
Offset: 0

Sequence: 1, -1, 0, -1, -3, 3, 1, 3, 0, 0, -2, 0, 5, -5, -3, -6, 0, 0, 5, 3, 0, -1, 5, 0, -7, 10, 0, 2, 1, 0, -7, 0, -3, -5, -7, 0, 1, 0, 0, 7, 11, -9, 0, -9, 0, 6, 9, 0, 5, 3, 9, 0, -7, 0, 0, -10, 0, -5, 0, 3, -18, 2, 0, 11, 0, 0, -10, -5, 9, 7, -14, 0, 0, 0, 0, 11, 9
Name: Expansion of psi(-x) * f(-x^4)^3 in powers of x where psi(), f() are Ramanujan theta functions.

Sequence: A215597

$$\frac{2^{1/8}\,\pi}{4\,\Gamma\left(\frac{3}{4}\right)^{4}\,e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/8)*Pi/GAMMA(3/4)^4/exp(-1/4*Pi)
Value: .833062408021299264753472
Number of terms: 512
Offset: 0

Sequence: 1, -4, 3, 4, -2, 0, -11, 4, 0, 12, 10, -12, -7, -4, 0, -12, 16, 0, 6, 0, 9, 8, -10, 0, -18, -20, 0, 20, -14, 12, 11, 24, 0, 0, -22, 0, 16, -20, -6, -12, 0, 0, -3, 4, 0, -20, 48, 0, 14, 28, 0, -40, 0, 0, 0, -8, -33, -4, -26, 0, 30, 28, 0, 0, 2, 12, -16, 20, 0
Name: Expansion of psi(-x) * f(-x)^3 in powers of x where psi(), f() are

Ramanujan theta functions.

Sequence: A215598

$$\frac{\pi\, 2^{1/8}}{2\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi/GAMMA(3/4)^4/exp(-1/8*Pi)*2^(1/8)
Value: 1.12502063626294987736425
Number of terms: 512
Offset: 0

Sequence: 1, 3, -2, -11, 0, 10, -7, 0, 16, 6, 9, -10, -18, 0, -14, 11, 0, -22, 16, -6, 0, -3, 0, 48, 14, 0, 0, 0, -33, -26, 30, 0, 2, -16, 0, -10, -13, 0, -48, 26, 0, 0, 18, 0, 34, 19, 30, -16, 0, 0, -2, -6, 0, 22, -34, -21, 14, 42, 0, 0, -48, 0, 0, -80, 0, -22, -23, 0
Name: Expansion of phi(-x^2) * f(x)^3 in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A215600

$$\frac{\pi^2\, 2^{1/4}}{16\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{2}}}$$

Printed: 1/16*Pi^2/GAMMA(3/4)^8/exp(-1/2*Pi)*2^(1/4)
Value: .693992975658245697568769
Number of terms: 512
Offset: 0

Sequence: 1, -8, 22, -16, -27, 40, -18, 80, -94, -40, 0, -48, 359, -80, -130, -320, 0, 160, 214, 400, -230, -152, -594, 416, -343, 240, 518, -400, 0, 200, 830, -592, -396, -776, 0, -400, 1098, 200, 0, 1120, 729, -552, -2068, 272, -1670, 800, 0, 400, 594, 1480, 598, 48
Name: Expansion of psi(-x)^2 * f(-x)^6 in powers of x where psi(), f() are Ramanujan theta functions.

Sequence: A215601

$$\frac{3\,\pi^2\, 2^{1/4}}{8\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{\pi}{4}}}$$

Printed: 3/8*Pi^2/GAMMA(3/4)^8/exp(-1/4*Pi)*2^(1/4)
Value: 1.8985071480262388589090 7
Number of terms: 512
Offset: 0

Sequence: 1, 22, -27, -18, -94, 0, 359, -130, 0, 214, -230, -594, -343, 518, 0, 830, -396, 0, 1098, 0, 729, -2068, -1670, 0, 594, 598, 0, -1746, 2002, 486, -1331, 5148, 0, 0, -1606, 0, -2860, -3514, 2538, 286, 0, 0, -1873, -4082, 0, 3942, 4708, 0, 5362, 1174, 0, -5060
Name: Expansion of phi(-x)^2 * f(-x)^6 + 32 * x * psi(-x)^2 * f(-x^4)^6 in powers of x where phi(), psi(), f() are Ramanujan theta functions.

Sequence: A216711

$$\frac{\pi^4}{64\,\Gamma\left(\frac{3}{4}\right)^{16} e^{-\pi}}$$

Printed: 1/64*Pi^4/GAMMA(3/4)^16/exp(-Pi)
Value: 1.36224475023362762070477
Number of terms: 512
Offset: 1

Sequence: 1, 8, 12, -64, -210, 96, 1016, 512, -2043, -1680, 1092, -768, 1382, 8128, -2520, -4096, 14706, -16344, -39940, 13440, 12192, 8736, 68712, 6144, -34025, 11056, -50760, -65024, -102570, -20160, 227552, 32768, 13104, 117648, -213360, 130752, 160526, -319520
Name: Expansion of q * (phi(q) * psi(-q))^8 in powers of q where phi(), psi() are Ramanujan theta functions.

Sequence: A224916

$$\frac{2^{1/4}}{4\,e^{-\frac{5\pi}{12}}}$$

Printed: 1/4/exp(-5/12*Pi)*2^(1/4)
Value: 1.1007473663070007312430 6
Number of terms: 512
Offset: 0

Sequence: 1, 2, 7, 14, 31, 58, 112, 196, 347, 580, 966, 1554, 2485, 3872, 5993, 9102, 13719, 20384, 30068, 43836, 63481, 91048, 129763, 183448, 257839, 359862, 499583, 689312, 946416, 1292388, 1756838, 2376598, 3201557, 4293942, 5736736, 7633702, 10121408, 13370634
Name: Expansion of chi(x)^2 / chi(-x^2)^6 in powers of x where chi() is a Ramanujan theta function.

Sequence: A225543

$$\frac{\pi^3\sqrt{2}}{16\,\Gamma\left(\frac{3}{4}\right)^{12} e^{-\frac{\pi}{2}}}$$

Printed: 1/16*Pi^3/GAMMA(3/4)^12/exp(-1/2*Pi)*2^(1/2)

Value: 1.14981313194158388415020
Number of terms: 512
Offset: 0

Sequence: 1, 4, -10, -56, 29, 332, 30, -1064, -302, 1940, 288, -1960, 1071, 1192, -1938, -736, -2000, -1488, 5014, 7288, 4170, -10644, -8482, 11184, -12647, -15544, 15590, 9992, 25424, 4604, -26610, 2472, -28972, 3140, 26464, -39416, 31338, 24764, -25248, -16176
Name: G.f.: Product_{k>0} (1 - x^k)^4 * (1 - (-x)^k)^8.

Sequence: A225564

$$\frac{\pi^2\, 2^{1/4}}{128\, \Gamma\left(\frac{3}{4}\right)^8\, e^{-\frac{5\pi}{4}}}$$

Printed: 1/128*Pi^2/GAMMA(3/4)^8/exp(-5/4*Pi)*2^(1/4)
Value: .915266049450199305888359
Number of terms: 512
Offset: 0

Sequence: 1, -2, 1, -2, -4, 12, -3, 10, -3, -20, -7, -8, 29, -10, 25, -28, -12, 54, 20, 34, -74, -42, -80, 22, 53, 40, -43, 16, 73, -50, 114, -38, -20, -68, 104, -100, -47, 114, -47, -24, -100, -68, -151, 50, 137, 244, -40, 326, -23, -194, -30, 50, -100, -160, 6, -274
Name: Expansion of psi(-x)^2 * f(-x^4)^6 in powers of x where psi(), f() are Ramanujan theta functions.

Sequence: A225853

$$\frac{2^{7/8}}{e^{\frac{\pi}{6}}}$$

Printed: 1/exp(1/6*Pi)*2^(7/8)
Value: 1.08643860000986803403621
Number of terms: 512
Offset: 0

Sequence: 1, 2, 0, 0, 3, 2, 0, 0, 4, 6, 0, 0, 7, 8, 0, 0, 13, 14, 0, 0, 19, 20, 0, 0, 29, 34, 0, 0, 43, 46, 0, 0, 62, 70, 0, 0, 90, 96, 0, 0, 126, 138, 0, 0, 174, 186, 0, 0, 239, 262, 0, 0, 325, 346, 0, 0, 435, 472, 0, 0, 580, 620, 0, 0, 769, 826, 0, 0, 1007, 1072, 0
Name: Expansion of phi(x) / f(-x^4) in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A225872

$$\frac{\pi^3 \sqrt{2}}{512\,\Gamma\left(\frac{3}{4}\right)^{12} e^{-\frac{\pi}{2}}}$$

Printed: 1/512*Pi^3/GAMMA(3/4)^12/exp(-1/2*Pi)*2^(1/2)
Value: .35931660373174496379693 8e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, -4, 2, 8, -13, 28, -26, -56, 69, -48, 134, 80, -182, -84, -312, 280, 204, 332, 142, -816, 91, -196, 780, -224, -526, -244, -1198, 2216, 767, 508, -390, -400, -1167, -1424, 466, -2264, 1391, 1392, 3796, -1480, -11, 1768, -2274, 1320, -1508, -1984, -8450
Name: Expansion of k(q)^3 * k'(q)^2 * (K(q) / (Pi/2))^6 / 64 in powers of q where k(), k'(), K() are Jacobi elliptic functions.

Sequence: A225912

$$\frac{\pi^3 \sqrt{2}}{128\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 1/128*Pi^3/GAMMA(3/4)^12*2^(1/2)
Value: .29877833343819895404719 8e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, -8, 20, 0, -74, 96, -24, 0, 157, -432, 124, 0, 478, 704, -1480, 0, -1198, 792, 3044, 0, -480, -4320, 184, 0, 2351, 3344, -1720, 0, -3282, 5184, -5728, 0, 2480, -4752, 1776, 0, 10326, -6688, 9560, 0, -8886, -8448, -9188, 0, -11618, 32832, 23664, 0, -16231
Name: Expansion of q * (phi(-q^2) * psi(-q)^2)^4 in powers of q where phi(), psi() are Ramanujan theta functions.

Sequence: A225915

$$\frac{1}{1024\, e^{-2\pi}}$$

Printed: 1/1024/exp(-2*Pi)
Value: .52294106984840306299125 4
Number of terms: 512
Offset: 2

Sequence: 1, -16, 152, -1088, 6444, -33184, 153152, -646528, 2533070, -9311664, 32387616, -107299904, 340436664, -1039026144, 3061896704, -8739810688, 24229115109, -65390485328, 172155210320, -442928464640, 1115433685796, -2753362613984, 6670224790272, -15876957230848
Name: Expansion of (k(q) / 4)^4 in powers of q where k() is a Jacobi elliptic function.

Sequence: A225923

$$\frac{3\,\pi^3\,\sqrt{2}}{32\,\Gamma\left(\frac{3}{4}\right)^{12}\,e^{-\frac{\pi}{2}}}$$

Printed: 3/32*Pi^3/GAMMA(3/4)^12/exp(-1/2*Pi)*2^(1/2)
Value: 1.72471969791237582622530
Number of terms: 512
Offset: 0

Sequence: 1, 20, -74, -24, 157, 124, 478, -1480, -1198, 3044, -480, 184, 2351, -1720, -3282, -5728, 2480, 1776, 10326, 9560, -8886, -9188, -11618, 23664, -16231, -23960, 11686, -9176, 60880, 16876, -18482, -3768, -35372, -15532, 3680, -31960, -4886, 47020, -2976, 44560
Name: Expansion of q^(-1/2) * k(q) * (1 - k(q)^4) * (K(q) / (Pi/2))^6 / 4 in powers of q where k(), k'(), K() are Jacobi elliptic functions.

Sequence: A226086

$$\frac{27\,\pi^7}{1024\,\Gamma\left(\frac{3}{4}\right)^{28}\,e^{-\pi}}$$

Printed: 27/1024*Pi^7/GAMMA(3/4)^28/exp(-Pi)
Value: 6.21645789860628518387986
Number of terms: 512
Offset: 1

Sequence: 1, 64, 1236, 4096, -57450, 79104, 64232, 262144, -66627, -3676800, 2464572, 5062656, 8032766, 4110848, -71008200, 16777216, 71112402, -4264128, 136337060, -235315200, 79390752, 157732608, -1186563144, 324009984, 2079799375, 514097024, -2052934200, 263094272
Name: Expansion of (2 * eta(q^2)^24 - eta(q)^16 * eta(q^4)^8)^3 / (eta(q)^4 * eta(q^2) * eta(q^4)^6)^4 in powers of q.

Sequence: A226132

$$\frac{\pi\,\sqrt{2}\;3^{3/4}}{108\,\Gamma\left(\frac{3}{4}\right)^{4}\,e^{-\pi}}$$

Printed: 1/108*Pi/GAMMA(3/4)^4/exp(-Pi)*2^(1/2)*3^(3/4)
Value: .962328234287177179549676
Number of terms: 512
Offset: 1

Sequence: 1, -1, 3, -1, 6, -3, 8, -1, 9, -6, 12, -3, 14, -8, 18, -1, 18, -9, 20, -6, 24, -12, 24, -3, 31, -14, 27, -8, 30, -18, 32, -1, 36, -18, 48, -9, 38, -20, 42, -6,

42, -24, 44, -12, 54, -24, 48, -3, 57, -31, 54, -14, 54, -27, 72, -8, 60, -30, 60, -18, 62, -32, 72
Name: Expansion of - c(-q) * c(q^2) / 9 in powers of q where c() is a cubic AGM theta function.

Sequence: A226139

$$\frac{\pi \sqrt{2}\ 3^{3/4}}{4\ \Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 1/4*Pi/GAMMA(3/4)^4*2^(1/2)*3^(3/4)
Value: 1.12282128880397135463338
Number of terms: 512
Offset: 0

Sequence: 1, 3, -3, -15, -3, 18, 15, 24, -3, -69, -18, 36, 15, 42, -24, -90, -3, 54, 69, 60, -18, -120, -36, 72, 15, 93, -42, -231, -24, 90, 90, 96, -3, -180, -54, 144, 69, 114, -60, -210, -18, 126, 120, 132, -36, -414, -72, 144, 15, 171, -93, -270, -42, 162, 231, 216
Name: Expansion of b(-q) * b(q^2) in powers of q where b() is a cubic AGM theta function.

Sequence: A226252

$$\frac{\pi^{7/4}\ 2^{5/8}}{32\ \Gamma\left(\frac{3}{4}\right)^7\ e^{-\frac{7\pi}{8}}}$$

Printed: 1/32*Pi^(7/4)/GAMMA(3/4)^7/exp(-7/8*Pi)*2^(5/8)
Value: 1.34539183418583977402679
Number of terms: 512
Offset: 0

Sequence: 1, 7, 21, 42, 77, 126, 175, 253, 357, 434, 567, 735, 833, 1057, 1302, 1400, 1708, 2037, 2191, 2597, 3003, 3151, 3619, 4242, 4389, 4935, 5691, 5740, 6594, 7434, 7371, 8400, 9303, 9506, 10626, 11592, 11585, 12761, 14427, 14203, 15519, 17241, 16808, 18788, 20559, 19950, 21882, 23898, 23786
Name: Number of ways of writing n as the sum of 7 triangular numbers.

Sequence: A226253

$$\frac{\pi^{9/4}\ 2^{3/8}}{64\ \Gamma\left(\frac{3}{4}\right)^9\ e^{-\frac{9\pi}{8}}}$$

Printed: 1/64*Pi^(9/4)/GAMMA(3/4)^9/exp(-9/8*Pi)*2^(3/8)
Value: 1.46441013757015320974753
Number of terms: 512

Offset: 0

Sequence: 1, 9, 36, 93, 198, 378, 633, 990, 1521, 2173, 2979, 4113, 5370, 6858, 8955, 11055, 13446, 16830, 20031, 23724, 28836, 33381, 38520, 45729, 52203, 59121, 68922, 77461, 86283, 99747, 110547, 121500, 138870, 152034, 166725, 188568, 204156, 221760, 248310, 268713, 289422, 321786, 345570, 369036
Name: Number of ways of writing n as the sum of 9 triangular numbers.

Sequence: A226254

$$\frac{\pi^{5/2}\, 2^{3/4}}{128\, \Gamma\left(\frac{3}{4}\right)^{10}\, e^{-\frac{5\pi}{4}}}$$

Printed: 1/128*Pi^(5/2)/GAMMA(3/4)^10/exp(-5/4*Pi)*2^(3/4)
Value: 1.52781122428825187148421
Number of terms: 512
Offset: 0

Sequence: 1, 10, 45, 130, 300, 612, 1105, 1830, 2925, 4420, 6341, 9000, 12325, 16290, 21645, 27932, 34980, 44370, 54900, 66430, 81702, 98050, 115440, 138330, 162565, 187800, 220545, 254800, 289265, 334890, 382058, 427350, 488700, 550420, 609960, 691812, 770185, 845750, 949365, 1049400, 1145580, 1274580
Name: Number of ways of writing n as the sum of 10 triangular numbers from A000217.

Sequence: A226255

$$\frac{\pi^{11/4}\, 2^{1/8}}{128\, \Gamma\left(\frac{3}{4}\right)^{11}\, e^{-\frac{11\pi}{8}}}$$

Printed: 1/128*Pi^(11/4)/GAMMA(3/4)^11/exp(-11/8*Pi)*2^(1/8)
Value: 1.59395723723562781528193
Number of terms: 512
Offset: 0

Sequence: 1, 11, 55, 176, 440, 957, 1848, 3245, 5412, 8580, 12892, 18888, 26895, 36916, 50160, 66935, 86658, 111870, 142582, 177320, 221100, 272690, 329065, 399102, 480040, 566808, 672969, 793760, 920326, 1074040, 1248412, 1425974, 1640595, 1882145, 2123385, 2418339, 2743928, 3062895, 3453978, 3880855
Name: Number of ways of writing n as the sum of 11 triangular numbers.

Sequence: A227033

$$\frac{2\,2^{3/4}}{e^{\frac{\pi}{3}}}$$

Printed: 2/exp(1/3*Pi)*2^(3/4)
Value: 1.18034883159140202616621
Number of terms: 512
Offset: 0

Sequence: 1, 4, 4, 0, 6, 16, 8, 0, 17, 40, 28, 0, 38, 96, 56, 0, 84, 204, 124, 0, 172, 400, 232, 0, 325, 760, 448, 0, 594, 1376, 784, 0, 1049, 2404, 1388, 0, 1796, 4096, 2320, 0, 3005, 6808, 3864, 0, 4912, 11072, 6216, 0, 7877, 17688, 9940, 0, 12430, 27792, 15488, 0
Name: Expansion of (phi(x) / f(-x^4))^2 in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A227175

$$\frac{8\sqrt{2}}{e^{\frac{2\pi}{3}}}$$

Printed: 8/exp(2/3*Pi)*2^(1/2)
Value: 1.39322336423918794182237
Number of terms: 512
Offset: 0

Sequence: 1, 8, 24, 32, 28, 80, 192, 192, 134, 408, 864, 800, 568, 1520, 3072, 2752, 1809, 4808, 9456, 8192, 5316, 13616, 26112, 22144, 13990, 35376, 66624, 55584, 34696, 86016, 159744, 131392, 80724, 198256, 363720, 295776, 180068, 436816, 793344, 638976, 384940
Name: Expansion of (phi(x) / f(-x^4))^4 in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A227317

$$\frac{\pi^2\,2^{3/4}}{32\,\Gamma\left(\frac{3}{4}\right)^8\,e^{-\frac{3\pi}{4}}}$$

Printed: 1/32*Pi^2/GAMMA(3/4)^8/exp(-3/4*Pi)*2^(3/4)
Value: 1.07630204472751371150592
Number of terms: 512
Offset: 0

Sequence: 1, 2, -5, -10, 5, 6, 10, 40, -20, -50, 19, -52, -30, 50, -25, 74, 97, 50, -25, -140, 69, -34, -100, -50, -185, -6, 83, 310, -60, -60, 410, -128, 145, -100, -245, 250, -87, -90, -400, -410, -151, 362, 185, -50, 285, 30, 150, -240, 500, 370, -68, 222, 5, -190
Name: Expansion of psi(x)^6 * phi(-x)^2 in powers of x where phi(), psi() are

Ramanujan theta functions.

Sequence: A227695

$$\frac{\pi^2\, 2^{1/4}}{8\,\Gamma\left(\frac{3}{4}\right)^8\, e^{-\frac{\pi}{4}}}$$

Printed: 1/8*Pi^2/GAMMA(3/4)^8/exp(-1/4*Pi)*2^(1/4)
Value: .632835716008746286303024
Number of terms: 512
Offset: 0

Sequence: 1, -10, 37, -50, -30, 128, -25, -34, -320, 310, 410, -370, -87, -410, 320, 30, 500, 384, -630, -640, -359, 300, -326, 2560, -110, -1098, -1280, -370, 1490, -1850, 269, 1500, 1216, 640, 570, -3328, 340, -2010, -1110, 1790, 768, 3200, 303, 750, -1600, -442
Name: Expansion of psi(x)^2 * phi(-x)^6 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A228745

$$\frac{9\,\pi}{16\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 9/16*Pi/GAMMA(3/4)^4
Value: .783677210448193233291135
Number of terms: 512
Offset: 0

Sequence: 1, -6, 24, -24, 24, -36, 96, -48, 24, -78, 144, -72, 96, -84, 192, -144, 24, -108, 312, -120, 144, -192, 288, -144, 96, -186, 336, -240, 192, -180, 576, -192, 24, -288, 432, -288, 312, -228, 480, -336, 144, -252, 768, -264, 288, -468, 576, -288, 96, -342, 744
Name: Expansion of (phi(q)^4 + 7 * phi(-q)^4) / 8 in powers of q where phi() is a Ramanujan theta function.

Sequence: A228746

$$\frac{9\,\pi}{2\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 9/2*Pi/GAMMA(3/4)^4
Value: 6.26941768358554586632908
Number of terms: 512
Offset: 0

Sequence: 1, 120, 24, 480, 24, 720, 96, 960, 24, 1560, 144, 1440, 96, 1680, 192,

2880, 24, 2160, 312, 2400, 144, 3840, 288, 2880, 96, 3720, 336, 4800, 192, 3600, 576, 3840, 24, 5760, 432, 5760, 312, 4560, 480, 6720, 144, 5040, 768, 5280, 288, 9360, 576, 5760, 96, 6840
Name: Expansion of 8 * phi(q)^4 - 7 * phi(-q)^4 in powers of q where phi() is a Ramanujan theta function.

Sequence: A228831

$$\frac{2^{1/4}\,\pi^{3/2}}{4\,\Gamma\left(\frac{3}{4}\right)^6\,e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/4)*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/4*Pi)
Value: 1.07229339825515287192186
Number of terms: 512
Offset: 0

Sequence: 1, 2, -7, -14, 18, 32, -21, -14, 16, -30, -14, -14, -15, 66, 48, 82, -28, -160, 66, -32, -95, 36, -30, 128, -14, -94, 64, 18, 98, 98, 105, -92, -112, -96, -206, -64, -28, 226, -126, -46, 320, 32, 27, -142, 208, -30, -60, 64, -206, 322, -16, -28, -48, -224
Name: Expansion of psi(x)^2 * phi(-x^2)^4 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A228834

$$\frac{\pi^{3/2}\,2^{3/4}}{16\,\Gamma\left(\frac{3}{4}\right)^6\,e^{-\frac{\pi}{2}}}$$

Printed: 1/16*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/2*Pi)*2^(3/4)
Value: .831500906760022629026794
Number of terms: 512
Offset: 0

Sequence: 1, -4, 2, 8, -7, 4, -14, -8, 18, 12, 32, -40, -21, -8, -14, 32, 16, 16, -30, 56, -14, -28, -14, -16, -15, -72, 66, 8, 48, 52, 82, -56, -28, -4, -160, -56, 66, 84, -32, 16, -95, 140, 36, 56, -30, -112, 128, 24, -14, -28, -94, -152, 64, -156, 18, 120, 98, -80
Name: Expansion of phi(-x^2)^2 * psi(-x)^4 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A229894

$$\frac{\pi^{1/4}\,2^{5/8}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/24*Pi)*2^(5/8)

Value: .954918789987674103751225
Number of terms: 512
Offset: 0

Sequence: 1, -1, -1, 0, 0, 1, 0, 1, 0, 0, 0, 0, -1, 0, 0, -1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 1, -1, 0, 0, 0, 1, 0, 1, 1, 0, 0, 0, -1, 0, 0, -1, 0, 0, 0, 0, 0, -1, 1, 0, 0, 0, 1, 0, -1, 0, 0, 0, 0, 0
Name: Expansion of q^2 * eta(q) / eta(q^49) in powers of q.

Sequence: A230057

$$\frac{\pi \sqrt{3}}{3\,\Gamma\left(\frac{3}{4}\right)^4}$$

Printed: 1/3*Pi*3^(1/2)/GAMMA(3/4)^4
Value: .804366663840069980380893
Number of terms: 512
Offset: 0

Sequence: 1, -4, -12, -4, -12, -24, -12, -32, -12, -4, -72, -48, -12, -56, -96, -24, -12, -72, -12, -80, -72, -32, -144, -96, -12, -124, -168, -4, -96, -120, -72, -128, -12, -48, -216, -192, -12, -152, -240, -56, -72, -168, -96, -176, -144, -24, -288, -192, -12, -228
Name: Expansion of (3 * phi(q^3)^4 - phi(q)^4) / 2 in powers of q where phi () is a Ramanujan theta function.

Sequence: A230278

$$\frac{\pi^{3/2} \sqrt{2}}{16\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\frac{2\pi}{3}}}$$

Printed: 1/16*Pi^(3/2)/GAMMA(3/4)^6/exp(-2/3*Pi)*2^(1/2)
Value: 1.18032413403774337706676
Number of terms: 512
Offset: 0

Sequence: 1, 4, 4, 0, 0, -8, -16, 0, -10, -20, 16, 0, 0, 40, 0, 0, 39, 28, 0, 0, 0, -40, 32, 0, -70, 0, -64, 0, 0, -80, 0, 0, 49, -20, -40, 0, 0, 112, 80, 0, -22, 56, 64, 0, 0, 88, 0, 0, 110, -140, 0, 0, 0, 0, -160, 0, -128, 52, 0, 0, 0, -280, 0, 0, -130, 28, 156, 0, 0
Name: Expansion of q^(-2/3) * eta(q^2)^10 / eta(q)^4 in powers of q.

Sequence: A230280

$$\frac{\pi^{3/2} \sqrt{2}}{8\,\Gamma\left(\frac{3}{4}\right)^6 e^{-\frac{\pi}{3}}}$$

Printed: 1/8*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/3*Pi)*2^(1/2)
Value: .828398235049099614781321
Number of terms: 512
Offset: 0

Sequence: 1, -4, 0, 16, -10, -16, 0, 0, 39, 0, 0, -32, -70, 64, 0, 0, 49, 40, 0, -80, -22, -64, 0, 0, 110, 0, 0, 160, -128, 0, 0, 0, -130, -156, 0, 112, 182, 0, 0, 0, 121, 0, 0, -160, 0, -128, 0, 0, -320, 280, 0, 0, 170, 256, 0, 0, -69, 0, 0, -320, 38, 0, 0, 0, -190
Name: Expansion of q^(-1/3) * eta(q)^4 * eta(q^2)^2 in powers of q.

Sequence: A230442

$$\frac{2^{3/4}\,\pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{\pi}{6}}}$$

Printed: 1/4*2^(3/4)*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/6*Pi)
Value: .910163850660472899657075
Number of terms: 512
Offset: 0

Sequence: 1, -2, -2, 4, 1, 2, -2, -4, -1, -4, 6, 0, 0, 6, 4, -4, -4, 2, -6, 0, -5, 2, 0, 0, 4, 2, 6, 4, -1, -6, 2, 0, 4, -6, -8, -8, 8, -2, -6, 8, -4, 4, 4, 4, 4, -2, -2, 8, -1, 4, -4, 0, -4, -8, -6, 0, 0, 0, 6, -8, -3, -2, 6, -4, 8, 12, -2, -4, 4, 0, 10, 4, -4, -2, 0, -8, -4, -2, 4, 4, -12, 2, -4, 0, -12, 4, -4
Name: Expansion of q^(-1/6) * eta(q)^2 * eta(q^2) in powers of q.

Sequence: A232166

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)\sqrt{2}}{\pi^{1/4}\,e^{\frac{\pi}{2}}}$$

Printed: 4/Pi^(1/4)*GAMMA(3/4)/exp(1/2*Pi)*2^(1/2)
Value: 1.08238842563339134119767
Number of terms: 512
Offset: 0

Sequence: 1, 2, -2, -4, 5, 6, -10, -12, 17, 24, -30, -40, 50, 62, -80, -100, 127, 160, -196, -244, 296, 360, -442, -532, 649, 786, -940, -1132, 1347, 1600, -1910, -2260, 2682, 3176, -3734, -4400, 5157, 6032, -7066, -8240, 9616, 11202, -13002, -15096, 17469, 20192
Name: Expansion of phi(x) / psi(x^2)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A239052

$$\frac{3\sqrt{2}\,\pi}{8\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{2}}}$$

Printed: 3/8*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)
Value: 3.55425950284633633580110
Number of terms: 512
Offset: 1

Sequence: 3, 12, 18, 24, 39, 36, 42, 72, 54, 60, 96, 72, 93, 120, 90, 96, 144, 144, 114, 168, 126, 132, 234, 144, 171, 216, 162, 216, 240, 180, 186, 312, 252, 204, 288, 216, 222, 372, 288, 240, 363, 252, 324, 360, 270, 336, 384, 360, 294, 468, 306, 312, 576
Name: Sum of divisors of 4*n-2.

Sequence: A239053

$$\frac{\pi\,2^{1/4}}{4\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{3\pi}{4}}}$$

Printed: 1/4*Pi/GAMMA(3/4)^4/exp(-3/4*Pi)*2^(1/4)
Value: 4.3701310811732582050340
Number of terms: 512
Offset: 1

Sequence: 4, 8, 12, 24, 20, 24, 40, 32, 48, 56, 44, 48, 72, 72, 60, 104, 68, 72, 124, 80, 84, 120, 112, 120, 156, 104, 108, 152, 144, 144, 168, 128, 132, 240, 140, 168, 228, 152, 192, 216, 164, 168, 260, 248, 180, 248, 216, 192, 336, 200, 240, 312, 212, 264, 296
Name: Sum of divisors of 4*n-1.

Sequence: A243763

$$\frac{\pi^{7/4}}{32\,\Gamma\left(\frac{3}{4}\right)^7 e^{-\pi}}$$

Printed: 1/32*Pi^(7/4)/GAMMA(3/4)^7/exp(-Pi)
Value: 1.29196897382851296861675
Number of terms: 512
Offset: 1

Sequence: 1, 6, 16, 32, 60, 92, 128, 192, 253, 316, 432, 512, 604, 792, 896, 1024, 1272, 1410, 1584, 1920, 2104, 2236, 2688, 2944, 3101, 3732, 3904, 4096, 4884, 5080, 5376, 6144, 6424, 6776, 7776, 8096, 8188, 9492, 9856, 10112, 11664, 11704, 11952, 13824, 14100, 14360
Name: Expansion of q * phi(q)^3 * psi(q^2)^4 in powers of q where phi(), psi() are Ramanujan theta functions.

Sequence: A244276

$$\frac{\pi^{5/4}\, 2^{3/4}}{8\,\Gamma\left(\frac{3}{4}\right)^5\, e^{-\frac{\pi}{4}}}$$

Printed: 1/8*Pi^(5/4)/GAMMA(3/4)^5/exp(-1/4*Pi)*2^(3/4)
Value: .697902833655536811577629
Number of terms: 512
Offset: 0

Sequence: 1, -8, 25, -40, 48, -80, 121, -120, 144, -200, 192, -248, 337, -280, 336, -440, 384, -480, 528, -480, 673, -720, 624, -720, 816, -760, 864, -1080, 864, -1000, 1321, -1008, 1200, -1360, 1152, -1440, 1536, -1400, 1488, -1720, 1536, -1760, 2185, -1560, 1872
Name: Expansion of q^(-1/4) * eta(q)^8 * eta(q^4)^2 / eta(q^2)^5 in powers of q.

Sequence: A245643

$$\frac{\pi^{5/4}}{2\,\Gamma\left(\frac{3}{4}\right)^5}$$

Printed: 1/2*Pi^(5/4)/GAMMA(3/4)^5
Value: .756812624164848596027335
Number of terms: 512
Offset: 0

Sequence: 1, -6, 8, 16, -38, -16, 48, 64, -56, -150, 112, 112, -112, -80, 160, 192, -294, -288, 248, 304, -272, -160, 368, 320, -336, -726, 400, 448, -448, -240, 544, 640, -568, -864, 736, 608, -950, -400, 656, 832, -784, -1152, 864, 1008, -784, -496, 1184, 896, -1136
Name: Expansion of eta(q)^6 * eta(q^2) / eta(q^4)^2 in powers of q.

Sequence: A246584

$$\frac{2^{3/8}\,\Gamma\left(\frac{3}{4}\right)^2}{\sqrt{\pi}}$$

Printed: 1/Pi^(1/2)*2^(3/8)*GAMMA(3/4)^2
Value: 1.09869943957873192786653
Number of terms: 512
Offset: 0

Sequence: 1, 2, 6, 12, 26, 48, 92, 160, 282, 470, 784, 1260, 2020, 3152, 4896, 7456, 11290, 16836, 24962, 36556, 53232, 76736, 110012, 156384, 221156, 310482, 433776, 602200, 832224, 1143696, 1565088, 2131072, 2890266,

3902344, 5249356, 7032576, 9389022, 12488368
Name: Number of overcubic partitions of n.

Sequence: A246953

$$\frac{\pi^{3/4}\, 2^{1/4}}{8\,\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{\pi}{2}}}$$

Printed: 1/8*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/2*Pi)*2^(1/4)
Value: .916994449483549378540154
Number of terms: 512
Offset: 0

Sequence: 1, -2, 2, -4, 3, -2, 6, -4, 4, -6, 4, -4, 7, -8, 2, -8, 8, -4, 10, -4, 4, -10, 10, -8, 9, -4, 6, -12, 8, -6, 10, -12, 4, -14, 8, -4, 16, -10, 8, -8, 9, -10, 12, -12, 8, -12, 12, -4, 20, -10, 6, -20, 8, -6, 10, -12, 8, -20, 18, -8, 11, -12, 12, -16, 8, -6, 20
Name: Expansion of phi(-x) * psi(x^2)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A246954

$$\frac{2^{1/4}\, \pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\, e^{-\frac{\pi}{4}}}$$

Printed: 1/4*2^(1/4)*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/4*Pi)
Value: .836185464938679836806495
Number of terms: 512
Offset: 0

Sequence: 1, -4, 5, -4, 8, -8, 5, -12, 8, -4, 16, -12, 9, -12, 8, -12, 16, -16, 8, -16, 17, -8, 24, -8, 8, -28, 16, -12, 16, -20, 13, -24, 24, -8, 16, -16, 16, -28, 24, -12, 32, -16, 13, -28, 8, -20, 32, -32, 8, -20, 24, -16, 40, -16, 16, -32, 25, -20, 24, -24, 24, -28
Name: Expansion of phi(-x) * psi(-x)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A254525

$$\frac{\sqrt{2}\; 3^{3/4}}{2\, e^{\frac{\pi}{6}}}$$

Printed: 1/2/exp(1/6*Pi)*2^(1/2)*3^(3/4)
Value: .954838417284789672519515
Number of terms: 512
Offset: 0

Sequence: 1, -1, -1, -1, 0, 3, 4, -1, -6, -5, 1, 10, 11, -4, -19, -17, 4, 31, 31, -9, -50, -46, 11, 79, 77, -21, -122, -112, 28, 183, 173, -46, -273, -249, 62, 396, 370, -98, -573, -521, 130, 815, 751, -193, -1149, -1041, 261, 1599, 1461, -373, -2214, -1998, 498, 3031
Name: Expansion of f(-x^2)^2 * f(-x, x^2) / f(x^3)^3 in powers of x where f(,) is Ramanujan's general theta function.

Sequence: A255252

$$\frac{\pi^{3/4}\, 2^{7/8}}{8\,\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{3\pi}{8}}}$$

Printed: 1/8*Pi^(3/4)/GAMMA(3/4)^3/exp(-3/8*Pi)*2^(7/8)
Value: .954912129718574758016471
Number of terms: 512
Offset: 0

Sequence: 1, -1, -1, 0, -2, 3, 2, 1, -1, -1, 1, -2, 1, -3, -2, -2, 3, 1, -1, 4, 3, -1, -1, 2, -4, 4, 1, 0, -1, -2, -3, -3, -4, 2, 3, -3, 0, 0, 5, 2, 0, -3, 2, -1, 4, 1, 0, 1, 3, 0, -2, 2, -1, -2, -4, -5, 2, 0, -7, 3, -4, 3, 1, 5, 2, -5, -1, -1, -3, 4, -1, 3, 4, 1, 4
Name: Expansion of psi(x) * psi(-x)^2 in powers of x where psi() is a Ramanujan theta function.

Sequence: A255257

$$\frac{\pi^{3/4}\, 2^{1/8}}{2\,\Gamma\left(\frac{3}{4}\right)^3 e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/8*Pi)*2^(1/8)
Value: 1.03551600579380368741463
Number of terms: 512
Offset: 0

Sequence: 1, 1, -4, -3, 4, 0, 1, 4, 0, 4, -3, -4, -4, -8, 8, 1, -4, 0, 0, 4, 0, 5, 4, 8, -4, -4, 4, -8, -3, -4, 4, -4, 0, 0, -8, 4, 1, 0, -8, 0, 4, 8, 8, 8, 0, 1, 0, -8, 8, -4, -4, -8, 12, 4, -12, 1, -4, 0, 0, -4, -8, 4, -8, 0, 0, -8, 1, 12, 8, 8, 0, -8, 8, 0, 8, 4, 0
Name: Expansion of psi(x) * phi(-x^2)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A255318

$$\frac{2^{7/8}\sqrt{\pi}\; 3^{1/4}}{12\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{11\pi}{24}}}$$

Printed: 1/12*2^(7/8)*Pi^(1/2)/GAMMA(3/4)^2/exp(-11/24*Pi)*3^(1/4)
Value: 1.00195178057533813186895

Number of terms: 512
Offset: 0

Sequence: 1, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 2, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 0, 1, 1, 0, 2, 0, 2, 2, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 2, 1, 0, 2, 1, 1, 0, 0, 1, 1, 1, 2, 0, 0, 0, 1, 1, 1, 1, 1, 0, 1, 0, 1, 0, 1, 2, 0, 0, 2, 1, 1, 0, 1, 0, 1, 1, 0, 1, 1, 1, 0, 1
Name: Expansion of psi(x^3) * f(x^2, x^4) in powers of x where psi(), f() are Ramanujan theta functions.

Sequence: A256538

$$\frac{\pi^{1/4}\, 2^{5/8}}{2\,\Gamma\left(\frac{3}{4}\right) e^{-\frac{\pi}{24}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/24*Pi)*2^(5/8)
Value: .954918789987674103751225
Number of terms: 512
Offset: 2

Sequence: 1, -1, -1, 0, 0, 1, 0, 1, 0, 0, 0, 0, -1, 0, 0, -1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, -1, 1, 1, 0, 1, -1, 0, -1, 0, 0, 1, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, -1, -1, 0, 0, -1, 0, 0, 0, -1, 0, 0, 0, 0
Name: Expansion of eta(q) * eta(q^47) in powers of q.

Sequence: A256552

$$\frac{\pi^{11/4}}{64\,\Gamma\left(\frac{3}{4}\right)^{11} e^{-\pi}}$$

Printed: 1/64*Pi^(11/4)/GAMMA(3/4)^11/exp(-Pi)
Value: .899988125684927834121264
Number of terms: 512
Offset: 1

Sequence: 1, -2, -8, 16, 20, -36, 0, -32, -75, 220, 104, -128, -44, -392, 0, 256, 232, 474, -536, 320, 168, -1124, 0, -576, 245, 852, 1248, 0, -1668, 2040, 0, -512, -1368, -2632, -560, -1200, 4756, 1428, 0, 3520, 656, -3528, -3224, 1664, -4740, 2168, 0, -2048, 1449
Name: Expansion of the unique weight 11/2 Gamma1(4) cusp form in powers of q.

Sequence: A258747

$$\frac{\sqrt{\pi}\, 2^{3/8}\, 3^{1/4}}{6\,\Gamma\left(\frac{3}{4}\right)^{2} e^{-\frac{\pi}{3}}}$$

Printed: 1/6*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/3*Pi)*2^(3/8)*3^(1/4)
Value: .956785918584693149971095
Number of terms: 512
Offset: 0

Sequence: 1, -1, 0, 0, 0, -1, -2, 2, 1, 0, 0, 2, 0, 0, -2, 0, 1, 0, 0, 0, 0, -1, -2, 0, 2, -2, 0, 2, 0, -2, 0, 0, 2, -1, 0, 0, 0, 0, 0, 2, 3, 0, 0, 0, 0, -2, -2, 0, 0, 0, 0, 0, 0, 0, -2, 2, 1, -2, 0, 2, 0, 0, -4, 0, 2, -1, 0, 0, 0, 0, -2, 2, 0, 0, 0, 2, 0, 0, 0, 0, 2
Name: Expansion of chi(-x) * f(x^3) * f(-x^6) in powers of x where chi(), f() are Ramanujan theta functions.

Sequence: A258771

$$\frac{\pi^{5/4}\, 2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^5 e^{-\frac{\pi}{8}}}$$

Printed: 1/2*Pi^(5/4)/GAMMA(3/4)^5/exp(-1/8*Pi)*2^(1/4)
Value: 1.33288570713162085277983
Number of terms: 512
Offset: 0

Sequence: 1, 7, 16, 7, -16, 0, 17, -48, -64, 16, 1, -16, 16, -32, 32, 55, -48, 64, 64, 16, 128, -9, -80, -32, 16, 48, -80, 96, 49, -144, -16, -144, -64, -64, -96, 144, 33, -64, -160, 0, 112, 32, 32, -96, 128, -25, 0, 32, -160, 304, 144, 96, 144, -48, 48, 119, 16, -256
Name: Expansion of psi(-x) * phi(x)^4 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A258779

$$\frac{\pi\, 2^{1/4}}{2\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{\pi}{12}}}$$

Printed: 1/2*Pi/GAMMA(3/4)^4/exp(-1/12*Pi)*2^(1/4)
Value: 1.07631705864560326480350
Number of terms: 512
Offset: 0

Sequence: 1, 2, -5, -10, 9, 14, -10, 0, 14, 2, -11, -32, 0, 14, -9, 26, 2, 0, 16, -22, 14, 0, 0, 26, -17, -32, -22, -10, -34, 14, 45, 38, 0, -34, 38, -22, 2, 0, -10, 64, -20, 0, 0, 0, -23, -46, 16, 0, -46, -32, 26, -10, 25, 18, 0, 38, 50, 0, 0, -22, -80, 50, 0, 26, 2
Name: Expansion of (f(-x) * phi(x))^2 in powers of x where phi(), f() are Ramanujan theta functions.

Sequence: A258831

$$\frac{\pi\sqrt{3}}{36\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{5\pi}{6}}}$$

Printed: 1/36*Pi/GAMMA(3/4)^4/exp(-5/6*Pi)*3^(1/2)
Value: .918867968135234524218667
Number of terms: 512
Offset: 0

Sequence: 1, -2, 3, -4, 5, -8, 7, -8, 9, -10, 14, -12, 16, -14, 15, -20, 17, -18, 19, -24, 26, -22, 23, -28, 25, -32, 32, -28, 29, -30, 38, -32, 33, -40, 40, -44, 42, -38, 39, -40, 57, -42, 43, -44, 45, -62, 47, -56, 49, -56, 62, -52, 53, -60, 64, -68, 64, -58, 59, -60
Name: Expansion of (psi(-x^3) * f(-x, x^2))^2 in powers of x where psi(), f(,) are Ramanujan theta functions.

Sequence: A258832

$$\frac{\sqrt{\pi}\ 3^{1/4}}{6\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{5\pi}{12}}}$$

Printed: 1/6*Pi^(1/2)/GAMMA(3/4)^2/exp(-5/12*Pi)*3^(1/4)
Value: .958576010619520210940220
Number of terms: 512
Offset: 0

Sequence: 1, -1, 1, -1, 1, -2, 0, -1, 1, -1, 2, -1, 1, 0, 1, -2, 1, 0, 2, -1, 1, -1, 1, -1, 1, -2, 1, 0, 0, -1, 2, -2, 1, -1, 0, -3, 0, -1, 1, 0, 2, 0, 1, -1, 2, -2, 1, -1, 0, -1, 1, -1, 2, -1, 1, 0, 1, -2, 1, 0, 3, 0, 0, -1, 1, -2, 1, -1, 1, -1, 3, -1, 0, -1, 0, -2, 0
Name: Expansion of psi(-x^3) * f(-x, x^2) in powers of x where psi(), f(,) are Ramanujan theta functions.

Sequence: A260313

$$\frac{2^{5/8}\pi^{1/4}}{\Gamma\left(\frac{3}{4}\right)e^{\frac{\pi}{8}}}$$

Printed: 2^(5/8)*Pi^(1/4)/GAMMA(3/4)/exp(1/8*Pi)
Value: 1.13135884296833927233064
Number of terms: 512
Offset: 0

Sequence: 1, 3, 1, -2, 3, 4, -3, -3, 2, 7, 0, -9, 4, 9, -5, -11, 6, 18, -7, -18, 9, 20, -12, -27, 14, 36, -11, -42, 18, 46, -24, -54, 23, 69, -27, -79, 37, 90, -44, -104, 48, 126, -52, -147, 65, 162, -78, -189, 85, 225, -91, -254, 114, 286, -136, -327, 142, 381, -159
Name: Expansion of phi(x)^2 / psi(x) in powers of x where phi(), psi() are

Ramanujan theta functions.

Sequence: A260314

$$\frac{\pi^{1/4}\,2^{1/8}}{\Gamma\left(\frac{3}{4}\right)}$$

Printed: Pi^(1/4)*2^(1/8)/GAMMA(3/4)
Value: 1.18476556266483177058072
Number of terms: 512
Offset: 0

Sequence: 1, 4, 6, 8, 16, 24, 32, 48, 66, 92, 128, 168, 224, 296, 384, 496, 640, 816, 1030, 1304, 1632, 2032, 2528, 3120, 3840, 4716, 5760, 7008, 8512, 10296, 12416, 14944, 17922, 21440, 25600, 30480, 36208, 42936, 50784, 59952, 70656, 83088, 97536, 114312, 133728
Name: Expansion of phi(x)^2 / phi(-x^2) in powers of x where phi() is a Ramanujan theta function.

Sequence: A261325

$$\frac{\sqrt{2}\;3^{1/4}}{6\,e^{-\frac{\pi}{3}}}$$

Printed: 1/6/exp(-1/3*Pi)*2^(1/2)*3^(1/4)
Value: .883967257918246867530377
Number of terms: 512
Offset: 0

Sequence: 1, -3, 8, -18, 38, -75, 140, -252, 439, -744, 1232, -1998, 3182, -4986, 7700, -11736, 17673, -26322, 38808, -56682, 82070, -117867, 167996, -237744, 334202, -466836, 648224, -895014, 1229148, -1679436, 2283568, -3090672, 4164578, -5587941, 7467464, -9940482
Name: Expansion of f(x^3, x^3) * f(x, x^5) / f(x, x)^2 in powers of x where f(,) is Ramanujan's general theta function.

Sequence: A261444

$$\frac{\pi^{3/4}\sqrt{3}}{18\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{2\pi}{3}}}$$

Printed: 1/18*Pi^(3/4)/GAMMA(3/4)^3/exp(-2/3*Pi)*3^(1/2)
Value: 1.00203611900507340065198
Number of terms: 512
Offset: 0

Sequence: 1, 0, 1, 2, 2, 2, 0, 4, 2, 0, 1, 4, 4, 2, 2, 4, 5, 0, 2, 2, 6, 4, 2, 4, 6, 0,

0, 6, 4, 2, 4, 8, 7, 0, 2, 10, 4, 6, 0, 4, 6, 0, 1, 6, 8, 6, 4, 8, 4, 0, 4, 8, 10, 4, 2, 8, 8, 0, 2, 6, 12, 4, 4, 8, 8, 0, 5, 8, 6, 4, 0, 8, 14, 0, 2, 10, 8, 10, 2, 8, 11, 0, 6, 6, 6

Name: Expansion of f(x^3)^2 * f(-x^6)^2 / f(-x^2) in powers of x where f() is a Ramanujan theta function.

Sequence: A263526

$$\frac{\sqrt{2}\ 3^{3/4}}{e^{\frac{\pi}{3}}}$$

Printed: 1/exp(1/3*Pi)*2^(1/2)*3^(3/4)
Value: 1.13126361982570664915926
Number of terms: 512
Offset: 0

Sequence: 1, 3, 1, -3, -1, 0, 1, 6, 0, -6, -3, -3, 4, 12, 1, -12, -6, -3, 5, 24, 1, -24, -10, -6, 11, 42, 4, -42, -19, -12, 17, 72, 4, -69, -31, -18, 31, 120, 9, -114, -50, -30, 46, 189, 11, -180, -79, -48, 77, 294, 21, -276, -122, -72, 112, 450, 28, -420, -183, -108

Name: Expansion of f(x, x)^2 / (f(x^3, x^3) * f(x, x^5)) in powers of x where f(,) is Ramanujan's general theta function.

Sequence: A266575

$$\frac{\pi^{5/4}}{32\ \Gamma\left(\frac{3}{4}\right)^5\ e^{-\pi}}$$

Printed: 1/32*Pi^(5/4)/GAMMA(3/4)^5/exp(-Pi)
Value: 1.09457301977536610504009
Number of terms: 512
Offset: 1

Sequence: 1, 2, 4, 8, 8, 12, 16, 16, 25, 28, 28, 32, 40, 40, 48, 64, 48, 62, 76, 64, 80, 92, 80, 96, 121, 100, 112, 128, 120, 136, 160, 128, 144, 184, 152, 200, 200, 164, 208, 224, 192, 216, 252, 224, 248, 296, 224, 256, 337, 262, 312, 320, 280, 336, 368, 320, 336, 396

Name: Expansion of q * f(-q^4)^6 / phi(-q) in powers of q where phi(), f() are Ramanujan theta functions.

Sequence: A273225

$$\frac{2\ \Gamma\left(\frac{3}{4}\right)^2\ \sqrt{2}}{\sqrt{\pi}\ e^{\frac{\pi}{4}}}$$

Printed: 2/Pi^(1/2)*GAMMA(3/4)^2/exp(1/4*Pi)*2^(1/2)
Value: 1.09255563085291432444252

Number of terms: 512
Offset: 0

Sequence: 1, 2, 3, 6, 11, 18, 28, 44, 69, 104, 152, 222, 323, 460, 645, 902, 1254, 1722, 2343, 3174, 4278, 5722, 7601, 10056, 13250, 17358, 22623, 29382, 38021, 48984, 62857, 80404, 102528, 130282, 165002, 208398, 262495, 329666, 412878, 515840
Name: Number of bipartitions of n wherein odd parts are distinct (and even parts are unrestricted).

Sequence: A273226

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^3\,2^{1/4}}{\pi^{3/4}\,e^{\frac{3\pi}{8}}}$$

Printed: 4/Pi^(3/4)*GAMMA(3/4)^3/exp(3/8*Pi)*2^(1/4)
Value: 1.14199798989530557105606
Number of terms: 512
Offset: 0

Sequence: 1, 3, 6, 13, 27, 51, 91, 159, 273, 455, 738, 1179, 1860, 2886, 4410, 6667, 9981, 14781, 21671, 31512, 45474, 65113, 92547, 130689, 183439, 255930, 355017, 489895, 672672, 919152, 1250107, 1692846, 2282895, 3066180, 4102224, 5468160, 7263217, 9614436, 12684633, 16682276
Name: G.f. is the cube of the g.f. of A006950.

Sequence: A273228

$$\frac{8\,\Gamma\left(\frac{3}{4}\right)^4}{\pi\,e^{\frac{\pi}{2}}}$$

Printed: 8/Pi*GAMMA(3/4)^4/exp(1/2*Pi)
Value: 1.19367780650840959488210
Number of terms: 512
Offset: 0

Sequence: 1, 4, 10, 24, 55, 116, 230, 440, 819, 1480, 2602, 4480, 7580, 12604, 20620, 33272, 53029, 83520, 130088, 200600, 306488, 464168, 697150, 1039032, 1537435, 2259300, 3298428, 4785880, 6903657, 9903040, 14129846, 20058488, 28336790, 39845456, 55778050, 77747328, 107924347, 149221160
Name: G.f. is the fourth power of the g.f. of A006950.

Sequence: A274327

$$\frac{2^{5/8}\,\Gamma\left(\frac{3}{4}\right)^3}{\pi^{3/4}}$$

Printed: 1/Pi^(3/4)*2^(5/8)*GAMMA(3/4)^3
Value: 1.20263192720911371562841
Number of terms: 512
Offset: 0

Sequence: 1, 4, 14, 40, 104, 248, 560, 1200, 2474, 4924, 9520, 17928, 33008, 59528, 105408, 183536, 314744, 532208, 888382, 1465208, 2389808, 3857456, 6166096, 9766576, 15336816, 23888844, 36924656, 56659296, 86341664, 130710104, 196640576, 294059872, 437232746, 646561792
Name: Expansion of Product_{n>=1} (1 - x^(4*n))/(1 - x^n)^4 in powers of x.

Sequence: A274621

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^2 2^{1/4}}{\sqrt{\pi}\, e^{\frac{\pi}{4}}}$$

Printed: 2/Pi^(1/2)*GAMMA(3/4)^2/exp(1/4*Pi)*2^(1/4)
Value: .918726113449476300343788
Number of terms: 512
Offset: 0

Sequence: 1, -2, 3, -6, 11, -18, 28, -44, 69, -104, 152, -222, 323, -460, 645, -902, 1254, -1722, 2343, -3174, 4278, -5722, 7601, -10056, 13250, -17358, 22623, -29382, 38021, -48984, 62857, -80404, 102528, -130282, 165002, -208398, 262495, -329666, 412878, -515840, 642941, -799362, 991478
Name: Coefficients in the expansion Product_{ n>=1 } (1-q^(2n-1))^2/(1-q^(2n))^2.

Sequence: A274719

$$\frac{\pi^{1/4}\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right) e^{-\frac{\pi}{12}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/12*Pi)*2^(1/2)
Value: .998129069925958513279955
Number of terms: 104
Offset: 0

Sequence: 1, 0, -1, 0, -1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1
Name: Expansion of Product_{k >= 1} (1-q^(2*k)).

Sequence: A276285

$$\frac{\pi^{13/4}}{\Gamma\left(\frac{3}{4}\right)^{13}}$$

Printed: Pi^(13/4)/GAMMA(3/4)^13
Value: 2.93797262575917782497394
Number of terms: 512
Offset: 0

Sequence: 1, 26, 312, 2288, 11466, 41808, 116688, 265408, 535704, 1031914, 1899664, 3214224, 5043376, 7801744, 12066912, 17689152, 24443978, 34039200, 48210760, 64966096, 83323344, 109157152, 145532816, 185245632, 227110416, 284788010, 363737712
Name: Number of ways of writing n as a sum of 13 squares.

Sequence: A276286

$$\frac{\pi^{7/2}}{\Gamma\left(\frac{3}{4}\right)^{14}}$$

Printed: Pi^(7/2)/GAMMA(3/4)^14
Value: 3.19191573501653919946831
Number of terms: 512
Offset: 0

Sequence: 1, 28, 364, 2912, 16044, 64792, 200928, 503360, 1089452, 2186940, 4196920, 7544992, 12547808, 19975256, 31553344, 48484800, 70439852, 99602104, 142487436, 200569824, 268594872, 354052608, 476105504, 630908096, 800698080, 1008274932, 1296257144
Name: Number of ways of writing n as a sum of 14 squares.

Sequence: A276287

$$\frac{\pi^{15/4}}{\Gamma\left(\frac{3}{4}\right)^{15}}$$

Printed: Pi^(15/4)/GAMMA(3/4)^15
Value: 3.4678083689814810551764 8
Number of terms: 512
Offset: 0

Sequence: 1, 30, 420, 3640, 21870, 96936, 331240, 911040, 2128260, 4495430, 8972712, 16946280, 29822520, 49476840, 80027280, 127083328, 193511790, 282611280, 409172940, 590913960, 825736296, 1115671760, 1509537960, 2048372160, 2698852520, 3463029894

Name: Number of ways of writing n as a sum of 15 squares.

Sequence: A279328

$$\frac{\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\, e^{-\frac{\pi}{24}}}$$

Printed: 1/Pi^(1/4)*GAMMA(3/4)/exp(-1/24*Pi)
Value: 1.04916873940265834699185
Number of terms: 512
Offset: 0

Sequence: 1, 1, 3, 4, 8, 11, 20, 27, 44, 60, 92, 124, 183, 244, 348, 461, 640, 840, 1144, 1488, 1992, 2572, 3393, 4348, 5668, 7212, 9301, 11760, 15024, 18880, 23924, 29892, 37596, 46728, 58376, 72193, 89644, 110340, 136248, 166968, 205115, 250316, 306056, 372032, 452876
Name: Expansion of Product_{k>=1} (1 + x^(2*k)) / (1 - x^k).

Sequence: A283120

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^8\, 2^{1/8}}{\pi^2\, e^{\frac{\pi}{24}}}$$

Printed: 4/Pi^2*GAMMA(3/4)^8/exp(1/24*Pi)*2^(1/8)
Value: 1.97156157131321083043972
Number of terms: 512
Offset: 0

Sequence: 1, 15, 128, 815, 4289, 19663, 81057, 306799, 1081986, 3594142, 11338690, 34193246, 99080387, 277046893, 750192227, 1973050940, 5053026949, 12628736331, 30859262181, 73849589786, 173333118663, 399528823032, 905418038792, 2019454523623, 4437187104779
Name: Expansion of exp(Sum_{n>=1} sigma(8*n)*x^n/n) in powers of x.

Sequence: A283163

$$\frac{2^{7/8}\,\pi}{4\,\Gamma\left(\frac{3}{4}\right)^4\, e^{-\frac{\pi}{24}}}$$

Printed: 1/4*2^(7/8)*Pi/GAMMA(3/4)^4/exp(-1/24*Pi)
Value: .728123353071890381030462
Number of terms: 512
Offset: 0

Sequence: 1, -7, 17, -14, 2, -21, 36, 13, -26, -24, 10, 12, -17, 34, 22, 19, -96, -

10, 14, 38, 0, 12, -23, 72, -38, -2, -11, -64, -34, 0, 72, 84, -26, 0, 0, -79, 60, 24, -32, -58, -7, -84, 50, 26, 120, 0, 0, 46, -34, -64, 10, -119, 70, 0, 22, -70, 36, 37, -120, 0
Name: Expansion of exp(Sum_{n>=1} -sigma(4*n)*x^n/n) in powers of x.

Sequence: A284286

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^4}{\pi}$$

Printed: 2/Pi*GAMMA(3/4)^4
Value: 1.43554002209225999564239
Number of terms: 512
Offset: 0

Sequence: 1, 8, 40, 160, 552, 1712, 4896, 13120, 33320, 80872, 188784, 425952, 932640, 1988080, 4137024, 8422848, 16810536, 32943760, 63482760, 120440608, 225217904, 415498496, 756920160, 1362645440, 2425895712, 4273590392, 7454092720, 12879684160, 22056267840
Name: Expansion of eta(q^2)^4 / eta(q)^8 in powers of q.

Sequence: A286346

$$\frac{\pi^3}{8\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 1/8*Pi^3/GAMMA(3/4)^12
Value: .338029097033225413250220
Number of terms: 512
Offset: 0

Sequence: 1, -24, 264, -1760, 7944, -25872, 64416, -133056, 253704, -472760, 825264, -1297056, 1938336, -2963664, 4437312, -6091584, 8118024, -11368368, 15653352, -19822176, 24832944, -32826112, 42517728, -51425088, 61903776, -78146664, 98021616, -115331264, 133522752
Name: Expansion of eta(q)^24 / eta(q^2)^12 in powers of q.

Sequence: A286399

$$\frac{\pi^3}{1024\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 1/1024*Pi^3/GAMMA(3/4)^12
Value: .26408523205720735410173 4e-2
Number of terms: 512
Offset: 0

Sequence: 0, 0, 1, 8, 32, 96, 244, 528, 1024, 1856, 3126, 5016, 7808, 11616,

16808, 23856, 32768, 44352, 59293, 77352, 100032, 128128, 161052, 201264, 249856, 305280, 371294, 450128, 537856, 640992, 762744, 894528, 1048576, 1228224, 1419858, 1642080, 1897376, 2167008
Name: Expansion of eta(q^2)^12 * eta(q^4)^8 / eta(q)^8 in powers of q.

Sequence: A286953

$$\frac{8\,\Gamma\left(\frac{3}{4}\right)^3\,2^{1/8}}{\pi^{3/4}\,e^{\frac{5\pi}{8}}}$$

Printed: 8/Pi^(3/4)*GAMMA(3/4)^3/exp(5/8*Pi)*2^(1/8)
Value: .954932110665234165423840
Number of terms: 512
Offset: 0

Sequence: 1, -1, -1, 0, 4, -3, -4, 1, 14, -10, -14, 4, 39, -26, -40, 13, 101, -65, -105, 36, 238, -147, -251, 91, 534, -322, -569, 212, 1135, -666, -1222, 469, 2328, -1340, -2526, 987, 4606, -2600, -5035, 2002, 8867, -4928, -9751, 3926, 16624, -9100, -18382, 7488, 30499
Name: Expansion of Product_{j>=1} (1 - x^j)/(1 - x^(4*j))^4.

Sequence: A287990

$$\frac{\pi^9\,\sqrt{2}}{8388608\,\Gamma\left(\frac{3}{4}\right)^{36}\,e^{-\frac{9\pi}{2}}}$$

Printed: 1/8388608*Pi^9/GAMMA(3/4)^36/exp(-9/2*Pi)*2^(1/2)
Value: 4.59886760182590661998278
Number of terms: 512
Offset: 0

Sequence: 1, 36, 630, 7176, 60165, 398412, 2184078, 10255320, 42321942, 156590980, 527649912, 1639560888, 4745867595, 12904341336, 33190117110, 81222775680, 190066236318, 427113304920, 925107172122, 1937505253320, 3934709716500, 7767340567380, 14937197788890
Name: Expansion of Jacobi theta constant (theta_2/2)^36.

Sequence: A287991

$$\frac{\pi^{12}}{1073741824\,\Gamma\left(\frac{3}{4}\right)^{48}\,e^{-6\pi}}$$

Printed: 1/1073741824*Pi^12/GAMMA(3/4)^48/exp(-6*Pi)
Value: 7.64776513721203659871078
Number of terms: 512
Offset: 0

Sequence: 1, 48, 1128, 17344, 196836, 1764192, 13051008, 82244736, 452197434, 2210431056, 9753024192, 39328459968, 146436844568, 507826976160, 1652238451200, 5074887938688, 14794635174459, 41126600601168, 109456398969568, 279899944411776, 689873759134308
Name: Expansion of Jacobi theta constant (theta_2/2)^48.

Sequence: A290404

$$\frac{27}{64}$$

Printed: 27/64
Value: .421875000000000000000000
Number of terms: 512
Offset: 0

Sequence: 1, -48, 1920, -55360, 1324032, -26724000, 464570880, -7064945280, 94923448320, -1136097028848, 12215871801600, -119054431876800, 1060887371509760, -8714739888694560, 66487024888734720, -474247005621552000, 3181339807178883072, -20174389229411069280
Name: Expansion of (1 - lambda(z) + lambda(z)^2)^3 in powers of nome q = exp(Pi*i*z) where lambda(z) is the elliptic modular function (A115977).

Sequence: A291124

$$\frac{\pi^2 \sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: 1/2*Pi^2*2^(1/2)/GAMMA(3/4)^8
Value: 1.37250641723059439959790
Number of terms: 512
Offset: 0

Sequence: 1, 8, 16, -32, -144, -16, 448, 192, -912, -88, 2016, -352, -4032, 176, 5504, 64, -7056, 400, 12112, 352, -18144, -768, 21312, -448, -25536, -968, 35168, 1216, -49536, 1584, 56448, -1280, -56208, 1408, 78624, -384, -109008, -1296, 109760, -704, -114912, -1584
Name: Expansion of phi(x)^6 * phi(-x)^2 in powers of x where phi() is a Ramanujan theta function.

Sequence: A299473

$$\frac{3\,2^{3/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{24}}}$$

Printed: 3*2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)

Value: 3.14162841013812639065940
Number of terms: 512
Offset: 0

Sequence: 3, 3, 6, 9, 15, 21, 33, 45, 66, 90, 126, 168, 231, 303, 405, 528, 693, 891, 1155, 1470, 1881, 2376, 3006, 3765, 4725, 5874, 7308, 9030, 11154, 13695, 16812, 20526, 25047, 30429, 36930, 44649, 53931, 64911, 78045, 93555, 112014, 133749, 159522, 189783, 225525, 267402, 316674, 374262, 441819, 520575, 612678
Name: a(n) = 3*p(n), where p(n) is the number of partitions of n.

Sequence: A299474

$$\frac{4\,2^{3/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{24}}}$$

Printed: 4*2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)
Value: 4.18883788018416852087920
Number of terms: 512
Offset: 0

Sequence: 4, 4, 8, 12, 20, 28, 44, 60, 88, 120, 168, 224, 308, 404, 540, 704, 924, 1188, 1540, 1960, 2508, 3168, 4008, 5020, 6300, 7832, 9744, 12040, 14872, 18260, 22416, 27368, 33396, 40572, 49240, 59532, 71908, 86548, 104060, 124740, 149352, 178332, 212696, 253044, 300700, 356536, 422232, 499016, 589092, 694100, 816904
Name: a(n) = 4*p(n), where p(n) is the number of partitions of n.

Sequence: A302856

$$\frac{\pi^8}{\Gamma\left(\frac{3}{4}\right)^{32}}$$

Printed: Pi^8/GAMMA(3/4)^32
Value: 14.1944159029393961576066
Number of terms: 512
Offset: 0

Sequence: 1, 64, 1984, 39680, 575424, 6448000, 58115328, 433131008, 2724906944, 14709082432, 69079796864, 285848172800, 1054968628480, 3515371815296, 10706472186368, 30156949879296, 79395777333184, 197101549419648, 464573878394560, 1045365667116800, 2256126097001600, 4689805691447296
Name: Number of ways of writing n as a sum of 32 squares.

Sequence: A318937

$$\frac{3\,\pi^2\,\sqrt{2}}{\Gamma\left(\frac{3}{4}\right)^8\,e^{-\frac{\pi}{2}}}$$

Printed: 3*Pi^2/GAMMA(3/4)^8/exp(-1/2*Pi)*2^(1/2)
Value: 39.6144664519054076714475
Number of terms: 512
Offset: 0

Sequence: 16, 448, 2016, 5504, 12112, 21312, 35168, 56448, 78624, 109760, 154112, 194688, 252016, 327040, 390240, 476672, 596736, 693504, 810464, 984704, 1102752, 1272128, 1526112, 1661184, 1887888, 2201472, 2382048, 2685312, 3073280, 3286080, 3631712, 4166528, 4431168, 4812224
Name: a(n) = 16 times the sum of the cubes of the divisors of 2*n+1.

Sequence: A319078

$$\frac{\pi^{3/4}\,2^{3/4}}{2\,\Gamma\left(\frac{3}{4}\right)^3}$$

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3*2^(3/4)
Value: 1.07833454717979986081186
Number of terms: 67
Offset: 0

Sequence: 1, 2, -4, -8, 6, 8, -8, 0, 12, 10, -8, -24, 8, 8, -16, 0, 6, 16, -12, -24, 24, 16, -8, 0, 24, 10, -24, -32, 0, 24, -16, 0, 12, 16, -16, -48, 30, 8, -24, 0, 24, 32, -16, -24, 24, 24, -16, 0, 8, 18, -28, -48, 24, 24, -32, 0, 48, 16, -8, -72, 0, 24, -32, 0, 6, 32
Name: Expansion of phi(-q) * phi(q)^2 in powers of q where phi() is a Ramanujan theta function.

Sequence: A319294

$$\frac{768\,\Gamma\left(\frac{3}{4}\right)^4}{\pi\,e^{2\,\pi}}$$

Printed: 768/Pi*GAMMA(3/4)^4/exp(2*Pi)
Value: 1.0294228916475327815 1656
Number of terms: 512
Offset: -2

Sequence: 1, 0, 144, -5120, 70524, -626688, 4265600, -24164352, 119375370, -529539072, 2151757440, -8125793280, 28827864296, -96885780480, 310514729472, -954123868160, 2823202073655, -8074060259328, 22387521828480, -60344692402176, 158484892943628, -406368240128000, 1019049374174976
Name: Expansion of 128 * ((theta_3(q)^4 + theta_4(q)^4)/theta_2(q)^8 +

(theta_4(q)^4 - theta_2(q)^4)/theta_3(q)^8) in powers of q = exp(Pi i t).

Sequence: A319306

$$\frac{1048576\,\Gamma\left(\frac{3}{4}\right)^{20}}{\pi^5\,e^{4\pi}}$$

Printed: 1048576/Pi^5*GAMMA(3/4)^20/exp(4*Pi)
Value: .696660270536682561991407
Number of terms: 512
Offset: -4

Sequence: 1, 0, -232, 0, 86064, -1835008, 23619232, -229638144, 1841202076, -12765888512, 78856617456, -442924793856, 2295931514240, -11106754756608, 50583249259456, -218397947199488, 899050944837546, -3545383150551040, 13446464974112552, -49213617532305408
Name: Expansion of (7 * theta_4(q)^20 * theta_2(q)^8 + 7 * theta_4(q)^24 * theta_2(q)^4 + 2 * theta_4(q)^28)/(2 * delta^2) in powers of q = exp(Pi i t), where delta is A000594.

Sequence: A319307

$$\frac{\pi^4}{16\,\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: 1/16*Pi^4/GAMMA(3/4)^16
Value: .235471733167395309424739
Number of terms: 512
Offset: 0

Sequence: 1, -32, 480, -4480, 29152, -140736, 525952, -1580800, 3994080, -8945824, 18626112, -36714624, 67978880, -118156480, 197120256, -321692928, 509145568, -772845120, 1143441760, -1681379200, 2428524096, -3392205824, 4658843520, -6411152640, 8705492608, -11488092896
Name: Expansion of theta_4(q)^16 in powers of q = exp(Pi i t).

Sequence: A319308

$$\frac{\pi^5}{32\,\Gamma\left(\frac{3}{4}\right)^{20}}$$

Printed: 1/32*Pi^5/GAMMA(3/4)^20
Value: .164030071989356139105803
Number of terms: 512
Offset: 0

Sequence: 1, -40, 760, -9120, 77560, -497648, 2508000, -10232640, 34729720,

-100906760, 259114704, -606957280, 1327461600, -2738111280, 5341699520, -9915552192, 17701924600, -30615844560, 51294999960, -83279292960, 131880275664, -204949382400, 312126610080, -464844224960, 680432137440
Name: Expansion of theta_4(q)^20 in powers of q = exp(Pi i t).

Sequence: A319309

$$\frac{\pi^6}{64\,\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 1/64*Pi^6/GAMMA(3/4)^24
Value: .114263670441097721877951
Number of terms: 512
Offset: 0

Sequence: 1, -48, 1104, -16192, 170064, -1362336, 8662720, -44981376, 195082320, -721175536, 2319457632, -6631997376, 17231109824, -41469483552, 93703589760, -200343312768, 407488018512, -793229226336, 1487286966928, -2697825744960, 4744779429216, -8110465650176
Name: Expansion of theta_4(q)^24 in powers of q = exp(Pi i t).

Sequence: A319310

$$\frac{\pi^7}{128\,\Gamma\left(\frac{3}{4}\right)^{28}}$$

Printed: 1/128*Pi^7/GAMMA(3/4)^28
Value: .795962973394232319301125e-1
Number of terms: 512
Offset: 0

Sequence: 1, -56, 1512, -26208, 327656, -3147984, 24189984, -152867520, 811401192, -3681079640, 14500933104, -50376047904, 156797510688, -444306558864, 1163495873088, -2851049839680, 6597606440936, -14512424533488, 30505974273096, -61591664700384, 119983597365744, -226303038736128
Name: Expansion of theta_4(q)^28 in powers of q = exp(Pi i t).

Sequence: A319552

$$\frac{2^{3/4}\,\Gamma\left(\frac{3}{4}\right)^3}{\pi^{3/4}}$$

Printed: 1/Pi^(3/4)*2^(3/4)*GAMMA(3/4)^3
Value: 1.31147941617165978854279
Number of terms: 512

Offset: 0

Sequence: 1, 6, 24, 80, 234, 624, 1552, 3648, 8184, 17654, 36816, 74544, 147056, 283440, 535008, 990912, 1803882, 3232224, 5707624, 9943536, 17106960, 29088352, 48922320, 81438528, 134261584, 219336630, 355242288, 570675904, 909674688, 1439394192, 2261635168, 3529838208
Name: Expansion of 1/theta_4(q)^3 in powers of q = exp(Pi i t).

Sequence: A319553

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^8}{\pi^2}$$

Printed: 4/Pi^2*GAMMA(3/4)^8
Value: 2.06077515502864631635693
Number of terms: 512
Offset: 0

Sequence: 1, 16, 144, 960, 5264, 25056, 106944, 418176, 1520784, 5201232, 16871648, 52252992, 155341248, 445226848, 1234726272, 3323392128, 8704504976, 22234655520, 55498917840, 135595345600, 324759439584, 763505859072, 1764050361152, 4009763323008, 8975341703616, 19800832628336
Name: Expansion of 1/theta_4(q)^8 in powers of q = exp(Pi i t).

Sequence: A319554

$$\frac{8\,\Gamma\left(\frac{3}{4}\right)^{12}}{\pi^3}$$

Printed: 8/Pi^3*GAMMA(3/4)^12
Value: 2.95832521157700345043614
Number of terms: 512
Offset: 0

Sequence: 1, 24, 312, 2912, 21816, 139152, 783328, 3986112, 18650424, 81251896, 332798544, 1291339296, 4776117216, 16922753616, 57683178432, 189821722688, 604884735288, 1871370360240, 5633654421720, 16535803556064, 47405095227984, 132942579098368, 365211946954656
Name: Expansion of 1/theta_4(q)^12 in powers of q = exp(Pi i t).

Sequence: A320049

$$\frac{2^{1/4}}{16\,e^{-\frac{3\pi}{4}}}$$

Printed: 1/16/exp(-3/4*Pi)*2^(1/4)
Value: .78418725859165474593089 4

Number of terms: 512
Offset: 0

Sequence: 1, -6, 27, -98, 309, -882, 2330, -5784, 13644, -30826, 67107, -141444, 289746, -578646, 1129527, -2159774, 4052721, -7474806, 13569463, -24274716, 42838245, -74644794, 128533884, -218881098, 368859591, -615513678, 1017596115, -1667593666, 2710062756, -4369417452
Name: Expansion of (psi(x) / phi(x))^6 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A320050

$$\frac{2^{5/8}}{32\, e^{-\frac{7\pi}{8}}}$$

Printed: 1/32/exp(-7/8*Pi)*2^(5/8)
Value: .753048726793527213291862
Number of terms: 512
Offset: 0

Sequence: 1, -7, 35, -140, 483, -1498, 4277, -11425, 28889, -69734, 161735, -362271, 786877, -1662927, 3428770, -6913760, 13660346, -26492361, 50504755, -94766875, 175221109, -319564227, 575387295, -1023624280, 1800577849, -3133695747, 5399228149, -9214458260, 15584195428
Name: Expansion of (psi(x) / phi(x))^7 in powers of x where phi(), psi() are Ramanujan theta functions.

Sequence: A326168

$$\frac{1}{e^{\pi}}$$

Printed: 1/exp(Pi)
Value: .432139182637722497744179e-1
Number of terms: 82
Offset: 0

Sequence: 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0
Name: Number of eggs at iteration n of male/female Langton's ant variation.

Sequence: A330373

$$\frac{2^{1/4}}{24\, e^{\frac{\pi}{24}}}$$

Printed: 1/24/exp(1/24*Pi)*2^(1/4)
Value: .434707609435286255219950e-1

Number of terms: 512
Offset: 0

Sequence: 0, 1, 0, 3, 4, 5, 6, 7, 16, 18, 20, 22, 36, 39, 42, 60, 80, 85, 90, 114, 140, 168, 176, 207, 264, 300, 312, 378, 448, 493, 540, 620, 736, 825, 884, 1015, 1188, 1295, 1406, 1599, 1840, 2009, 2184, 2451, 2772, 3060, 3312, 3666, 4176, 4557, 4900, 5457, 6084, 6625, 7182, 7920, 8792, 9576, 10324, 11328, 12540
Name: Sum of all parts of all self-conjugate partitions of n.

Sequence: 2, 3, 5, 549755813881, 17, 97, 193, 140737488355201, 257, 7681, 15361, 134215681, 12289, 8380417, 114689
Name: a(n) = least prime of the form 2^m - 2^n + 1.

Sequence: A350642

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^3}{\pi^{3/4}\,e^{\frac{\pi}{12}}}$$

Printed: 2/Pi^(3/4)*GAMMA(3/4)^3/exp(1/12*Pi)
Value: 1.20038607314029094146438
Number of terms: 512
Offset: 0

Sequence: 1, 4, 13, 36, 90, 208, 455, 948, 1901, 3688, 6955, 12792, 23019, 40612, 70395, 120072, 201822, 334684, 548158, 887500, 1421602, 2254460, 3541928, 5515900, 8519173, 13055208, 19859113, 29998024, 45012751, 67116436, 99472320, 146580028, 214811311, 313149460
Name: Expansion of Product_{k>=1} (1-q^(2*k))/(1-q^k)^4.

Sequence: A350643

$$\frac{2\,\Gamma\left(\frac{3}{4}\right)^5\,2^{5/8}}{\pi^{5/4}\,e^{\frac{\pi}{8}}}$$

Printed: 2/Pi^(5/4)*GAMMA(3/4)^5/exp(1/8*Pi)*2^(5/8)
Value: 1.37596800430559075787479
Number of terms: 512
Offset: 0

Sequence: 1, 7, 33, 126, 419, 1260, 3509, 9185, 22842, 54395, 124784, 277059, 597644, 1256341, 2580363, 5189185, 10236710, 19840410, 37832553, 71060190, 131610897, 240585292, 434431132, 775483785, 1369359198, 2393425484, 4143057525, 7106240582, 12083072562, 20375932566
Name: Expansion of Product_{k>=1} (1-q^(2*k))^2/(1-q^k)^7.

Sequence: A350644

$$\frac{4\,\Gamma\left(\frac{3}{4}\right)^7\,2^{1/4}}{\pi^{7/4}\,e^{\frac{\pi}{6}}}$$

Printed: 4/Pi^(7/4)*GAMMA(3/4)^7/exp(1/6*Pi)*2^(1/4)
Value: 1.57723251813455419148611
Number of terms: 512
Offset: 0

Sequence: 1, 10, 62, 300, 1235, 4522, 15130, 47084, 137990, 384370, 1024760, 2629380, 6521693, 15693180, 36745810, 83935920, 187441365, 409981826, 879717860, 1854439520, 3845126929, 7850815860, 15799770260, 31368976420, 61490409175, 119092108534, 228039325630
Name: Expansion of Product_{k>=1} (1-q^(2*k))^3/(1-q^k)^10.

Sequence: A360191

$$\frac{2^{7/8}\,\Gamma\left(\frac{3}{4}\right)^3}{\pi^{3/4}\,e^{\frac{\pi}{24}}}$$

Printed: 2^(7/8)/Pi^(3/4)*GAMMA(3/4)^3/exp(1/24*Pi)
Value: 1.25470380025830003439858
Number of terms: 512
Offset: 0

Sequence: 1, 5, 18, 55, 149, 371, 867, 1923, 4086, 8374, 16634, 32152, 60669, 112041, 202943, 361200, 632647, 1091917, 1859225, 3126242, 5195715, 8541624, 13899866, 22404091, 35787815, 56683294, 89061028, 138872410, 214984454, 330532633, 504869316, 766357010, 1156355165
Name: G.f. 1 / Product_{n>=1} (1 - x^n)^3 * (1 - x^(2*n-1))^2.

Références :

[1] Le catalogue des suites d'entier : https://oeis.org/ pour tous les numéros de suites apparaissant dans ce document.
[2] Fonction Tau de Ramanujan : https://mathworld.wolfram.com/TauFunction.html
[3] Fonction de Partition : https://mathworld.wolfram.com/PartitionFunctionP.html
[4] Sommes de carrés : https://mathworld.wolfram.com/SumofSquaresFunction.html
[5] Séries Theta : https://mathworld.wolfram.com/ThetaSeries.html