Les nombres en base e^{π}

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Résumé

Une expérience à grande échelle a été menée pour trouver des formules relatives à la base e^{π} et $e^{2\pi}$. Les nombres en ces bases sont

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

Ces expériences ont été inspirées par plusieurs faits. En effet, il est connu que la formule générant les partages d'entiers,

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

est égale à

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

lorsqu'elle est évaluée au point $x = e^{-\pi}$. En analysant les 362400 suites du OEIS le modèle qui a été utilisé tient au fait que la somme infinie évaluée à $e^{k\pi}$, où k = 1 ou 2 est une expression qui permet d'être détectée à l'aide d'un programme comme lindep de Pari-Gp ou PSLQ (version Maple).

Pour être détectée, la relation avec des entiers, il est nécessaire de prendre le logarithme de la somme.

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

Le signe $\equiv$ signifie qu'il y a une identité avec 0 ou dit autrement le logarithme de la somme est une combinaison linéaire de la liste des constantes. Cette hypothèse semble être la bonne puisque plus de 659 expressions ont été identifiées. Dans de rares exceptions on peut rajouter le logarithme des premiers après 3.

La chose remarquable à propos de ces expressions est le fait que malgré la grande variété de contextes combinatoires elles ont toutes le même modèle si on évalue la suite en ces points que sont e^{π} et $e^{2\pi}$. L'expérience est concluante, puisque 224 suites se réfèrent aux fonctions Theta, 107 à la fonction Tau the Ramanujan et variantes et 52 aux partitions (partages) d'entiers. Par contre du travail reste à faire puisqu'il y a plus de 2000 suites se référant aux fonctions Theta et des milliers aux partitions dans tous les contextes.

Note : Les suites étendues proviennent des fichiers ‘b’ du site OEIS, normalement une suite comporte environ 3 lignes pleines d’environ 80 caractères de termes. Dans bien des cas de figure il a été pensé depuis longtemps qu’une extension de la suite de base était nécessaire. Le choix a été fait de prendre les 512 premiers termes de chaque suite (lorsque c’est disponible) et avec une précision de 64 décimales pour les sommes évaluées.

Index: la plupart des suites sont définies à partir de 0 j’ai donc choisi de prendre ce point comme départ.

Chaque page contient le numéro de la suite, le nom, la formule, les quelques premiers termes de la suite et combien de termes pour l’évaluation de la série.

Sequence: A000009
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.

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

Printed: 1/2/exp(-1/24*Pi)*2^(7/8)
Value: 1.04525021435471194254759
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

Sequence: A000041
Name: a(n) is the number of partitions of n (the partition numbers).

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

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

Sequence: A000118
Name: Number of ways of writing n as a sum of 4 squares; also theta series of four-dimensional cubic lattice Z^4.

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

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

Sequence: A000122
Name: Expansion of Jacobi theta function theta_3(x) = Sum_{m =-oo..oo}
x^(m^2) (number of integer solutions to k^2 = n).

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

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, 0, 0, 2, 0, 0, 0, 0

Sequence: A000141
Name: Number of ways of writing n as a sum of 6 squares.

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

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

Sequence: A000143
Name: Number of ways of writing n as a sum of 8 squares.

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

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

Sequence: A000144
Name: Number of ways of writing n as a sum of 10 squares.

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

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

Sequence: A000145
Name: Number of ways of writing n as a sum of 12 squares.

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

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

Sequence: A000152
Name: Number of ways of writing n as a sum of 16 squares.

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

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

Sequence: A000156
Name: Number of ways of writing n as a sum of 24 squares.

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

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

Sequence: A000521
Name: Coefficients of modular function j as power series in q = e^(2 Pi i t).
Another name is the elliptic modular invariant J(tau).

$$\frac{1728}{e^{2\pi}}$$

Printed: 1728/exp(2*Pi)

Value: 3.22694104039140467133542
Number of terms: 512
Offset: -1

Sequence: 1, 744, 196884, 21493760, 864299970, 20245856256,
333202640600, 4252023300096, 44656994071935, 401490886656000,
3176440229784420,
22567393309593600, 146211911499519294, 874313719685775360,
4872010111798142520, 25497827389410525184, 126142916465781843075

Sequence: A000594
Name: Ramanujan's tau function (or Ramanujan numbers, or tau numbers).

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

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

Sequence: A000700
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 o\
f symmetric Ferrers graphs with n nodes.

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

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

Sequence: A000712

Name: Generating function = Product_{m:=1} 1/(1 - x^m)^2; a(n) = number of partitions of n into parts of 2 kinds.

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

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

Sequence: A000716
Name: Number of partitions of n into parts of 3 kinds.

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

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

Sequence: A000727
Name: Expansion of Product_{k := 1} (1 - x^k)^4.

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

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

Sequence: A000728
Name: Expansion of Product_{n:=1} (1-x^n)^5.

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

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

Sequence: A000729
Name: Expansion of Product_{k := 1} (1 - x^k)^6.

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

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

Sequence: A000730
Name: Expansion of Product_{n:=1} (1 - x^n)^7.

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

Printed: 1/8*Pi^(7/4)/GAMMA(3/4)^7/exp(-7/24*Pi)*2^(3/8)
Value: .724044190790644116201665
Number of terms: 512
Offset: 0

Sequence: 1, -7, 14, 7, -49, 21, 35, 41, -49, -133, 98, -21, 126, 112, -176, -105, -126, 140, -35, 147, 259, 98, -420, -224, 238, -455, 273, -14, 322, 406, -35, -7, -637, -196, 245, -181, -574, 462, 147, 924, 217, -329, -140, -7, -371, -777

Sequence: A000731
Name: Expansion of Product (1 - x^k)^8 in powers of x.

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

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

Sequence: A000735
Name: Expansion of Product_{k:=1} (1 - x^k)^12.

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

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

Sequence: A000739
Name: Expansion of Product_{k:=1} (1 - x^k)^16.

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

Printed: 1/64*Pi^4/GAMMA(3/4)^16/exp(-2/3*Pi)
Value: .47803866508178721351811 2
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

Sequence: A001934
Name: Expansion of 1/theta_4(q)^2 in powers of q.

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

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

Sequence: A001935
Name: Number of partitions with no even part repeated; partitions of n in which no parts are multiples of 4.

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

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

Sequence: A001936
Name: Expansion of q^(-1/4) * (eta(q^4) / eta(q))^2 in powers of q.

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

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

Sequence: A001937
Name: Expansion of (psi(x^2) / psi(-x))^3 in powers of x where psi() is a Ramanujan theta function.

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

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

Sequence: A001938
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).

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

Printed: 1/8/exp(-1/2*Pi)*2^(1/2)
Value: .85038029420627578205997 5
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

Sequence: A001939
Name: Expansion of (psi(-x) / phi(-x))^5 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A001940
Name: Absolute value of coefficients of an elliptic function.

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

Printed: 1/8/exp(-3/4*Pi)
Value: 1.3188405092747202734708 8

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

Sequence: A001941
Name: Absolute values of coefficients of an elliptic function.

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

Printed: 1/16/exp(-7/8*Pi)*2^(1/2)
Value: 1.3810974543999588582580
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

Sequence: A001943
Name: Expansion of reciprocal of theta series of E_8 lattice.

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

Printed: 4/3/Pi^2*GAMMA(3/4)^8
Value: .686925051676215438785641
Number of terms: 424
Offset: 0

Sequence: 1, -240, 55440, -12793920, 2952385680, -681306078240, 157221316739520, -36281112432850560, 8372395974330234000, -1932052510261208053680,
445849302141400152457440, -102886230661038692118348480

Sequence: A002107
Name: Expansion of Product_{k:=1} (1 - x^k)^2.

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

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

Sequence: A002171
Name: Glaisher's chi numbers. a(n) = chi(4*n + 1).

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

Printed: 1/4*2^(1/4)*Pi/GAMMA(3/4)^4/exp(-1/4*Pi)
Value: .90846099773999668164331820
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

Sequence: A002288
Name: G.f.: q * Product_{m:=1} (1-q^m)^8*(1-q^2m)^8.

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

Printed: 1/128*Pi^4/GAMMA(3/4)^16
Value: .29433966645924413678092 4e-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

Sequence: A002408
Name: Expansion of 8-dimensional cusp form.

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

Printed: 1/64*Pi^2/GAMMA(3/4)^8
Value: .30328393588931444217966 7e-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

Sequence: A002448
Name: Expansion of Jacobi theta function theta_4(x).

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

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, 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, 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, 0, 2, 0, 0, 0, 0

Sequence: A002470
Name: Glaisher's function W(n).

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

Printed: 1/64*Pi^(7/2)/GAMMA(3/4)^14
Value: .49873683359633424991692 3e-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

Sequence: A002512
Name: Expansion of chi(x)^10 / phi(x)^4 in powers of x where phi(), chi() are Ramanujan theta functions.

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

Printed: 4/Pi*GAMMA(3/4)^4/exp(5/12*Pi)*2^(1/2)
Value: 1.0966553229925654205 1205
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

Sequence: A002513
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.

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

Printed: 2^(7/8)/Pi^(1/2)*GAMMA(3/4)^2/exp(1/8*Pi)
Value: 1.0491723982387612600 1522
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

Sequence: A002611
Name: Glaisher's function V(n).

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

Printed: 1/2048*Pi^(9/2)/GAMMA(3/4)^18/exp(-Pi)
Value: .50247274515540387974827 1e-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

Sequence: A002612
Name: Glaisher's function U(n).

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

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

Sequence: A002613
Name: Glaisher's function J(n) (18 squares version).

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

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

Sequence: A003781
Name: Expansion of theta series of {E_7}* lattice in powers of q^(1/2).

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

Printed: 9/16*Pi^(7/4)/GAMMA(3/4)^7
Value: 1.0049587494183912303582 1
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

Sequence: A003785
Name: Coefficients of Jacobi cusp form of index 1 and weight 12.

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

Printed: 9/524288*Pi^(23/4)/GAMMA(3/4)^23/exp(-3*Pi)
Value: 1.4318124197747832074515 5
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

Sequence: A004008
Name: Expansion of theta series of E_7 lattice in powers of q^2.

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

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

Sequence: A004009
Name: Expansion of Eisenstein series E_4(q) (alternate convention E_2(q)); theta series of E_8 lattice.

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

Printed: 3/4*Pi^2/GAMMA(3/4)^8
Value: 1.4557628922687093224624 0
Number of terms: 512
Offset: 0

Sequence: 1, 240, 2160, 6720, 17520, 30240, 60480, 82560, 140400, 181680, 272160, 319680, 490560, 527520, 743040, 846720, 1123440, 1179360, 1635120
, 1646400, 2207520, 2311680, 2877120, 2920320, 3931200, 3780240, 4747680, 4905600, 6026880

Sequence: A004011
Name: Theta series of D_4 lattice; Fourier coefficients of Eisenstein series E_{gamma,2}.

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

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

Sequence: A004018
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).

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

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

Sequence: A004020
Name: Theta series of square lattice with respect to edge.

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

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

Sequence: A004024
Name: Theta series of b.c.c. lattice with respect to deep hole.

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

Printed: 1/4*2^(7/8)*Pi^(3/4)/GAMMA(3/4)^3/exp(-5/8*Pi)
Value: 4.1887794486390040851596 0
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

Sequence: A004402
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-1).

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

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

Sequence: A004403
Name: Expansion of 1/theta_3(q)^2 in powers of q.

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

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

Sequence: A004404
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-3).

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

Printed: 1/Pi^(3/4)*GAMMA(3/4)^3
Value: .77981032644547625244225 5
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

Sequence: A004405
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-4).

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

Printed: 1/Pi*GAMMA(3/4)^4
Value: .71777001104612999782119 7
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

Sequence: A004406
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-5).

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

Printed: 1/Pi^(5/4)*GAMMA(3/4)^5
Value: .66066551222207178439786 3
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

Sequence: A004407
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-6).

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

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

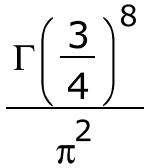
Sequence: A004408
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-7).

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

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

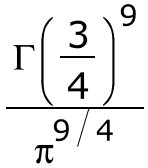
Sequence: A004409
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-8).



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

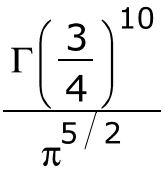
Sequence: A004410
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-9).



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

Sequence: A004411
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-10).



Printed: 1/Pi^(5/2)*GAMMA(3/4)^10
Value: .43647891903965248232924 7
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

Sequence: A004412
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-11).

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

Printed: 1/Pi^(11/4)*GAMMA(3/4)^11
Value: .40175343659340390412131 5
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

Sequence: A004413
Name: Expansion of (Sum_{n = -infinity..infinity} x^(n^2))^(-12).

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

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

Sequence: A004414
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-13).

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

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

Sequence: A004415
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-14).

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

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

Sequence: A004416
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-15).

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

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

Sequence: A004417
Name: Expansion of (Sum x^(n^2), n = -inf .. inf)^(-16).

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

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

Sequence: A004418
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-17).

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

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

Sequence: A004419
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-18).

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

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

Sequence: A004420
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-19).

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

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

Sequence: A004421
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-20).

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

Printed: 1/Pi^5*GAMMA(3/4)^20
Value: .190513846766023506247049
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

Sequence: A004422
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-21).

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

Printed: 1/Pi^(21/4)*GAMMA(3/4)^21

Value: .17535690572475449964648 7
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

Sequence: A004423
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-22).

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

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

Sequence: A004424
Name: Expansion of (Sum_{n=-inf..inf} x^(n^2))^(-23).

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

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

Sequence: A004425
Name: Expansion of (Sum x^(n^2), n = -inf .. inf)^(-24).

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

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

Sequence: A004670
Name: Theta series of extremal even unimodular lattice in dimension 32.

$$\frac{9\,\pi^8}{64\,\Gamma\left(\frac{3}{4}\right)^{32}}$$

Printed: 9/64*Pi^8/GAMMA(3/4)^32
Value: 1.99608973635085258466343
Number of terms: 512
Offset: 0

Sequence: 1, 0, 146880, 64757760, 4844836800, 137695887360, 2121555283200, 21421110804480, 158757684004800, 928986331545600, 4512164186816640,
18847854517248000, 69519016873985280, 230952108679004160

Sequence: A005369
Name: a(n) = 1 if n is of the form m(m+1), else 0.

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

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, 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, 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, 0

Sequence: A005758
Name: Number of partitions of n into parts of 12 kinds.

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

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

Sequence: A005798
Name: Expansion of (theta_2(q)/theta_3(q))^4/16 in powers of q.

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

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

Sequence: A005869
Name: Theta series of b.c.c. lattice with respect to short edge.

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

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

Sequence: A005875
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).

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

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

Sequence: A005876
Name: Theta series of cubic lattice with respect to edge.

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

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

Sequence: A005877
Name: Theta series of cubic lattice with respect to square.

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

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

Sequence: A005878
Name: Theta series of cubic lattice with respect to deep hole.

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

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

Sequence: A005879
Name: Theta series of D_4 lattice with respect to deep hole.

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

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

Sequence: A005880
Name: Theta series of D_4 lattice with respect to edge.

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

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

Sequence: A005883
Name: Theta series of square lattice with respect to deep hole.

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

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

Sequence: A005884

Name: Theta series of f.c.c. lattice with respect to edge.

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

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

Sequence: A005886
Name: Theta series of f.c.c. lattice with respect to tetrahedral hole.

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

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

Sequence: A006352
Name: Coefficients in expansion of Eisenstein series E_2 (also called E_1 or G_2).

$$\frac{3}{\pi}$$

Printed: 3/Pi
Value: .954929658551372014613304
Number of terms: 512
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

Sequence: A006922
Name: Expansion of 1/eta(q)^24; Fourier coefficients of T_{14}.

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

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

Sequence: A006950
Name: G.f.: Product_{k:=1} (1 + x^(2*k - 1)) / (1 - x^(2*k)).

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

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

Sequence: A007096
Name: Expansion of theta_3 / theta_4.

$$2^{1/4}$$

Printed: 2^(1/4)

Value: 1.18920711500272106671750
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

Sequence: A007191
Name: McKay-Thompson series of class 2B for the Monster group with a(0) = -24.

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

Printed: 8/exp(Pi)
Value: .34571134611017799819534 3
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

Sequence: A007245
Name: McKay-Thompson series of class 3C for the Monster group.

$$\frac{12}{e^{\frac{2\pi}{3}}}$$

Printed: 12/exp(2/3*Pi)
Value: 1.47773653284159760369840
Number of terms: 512
Offset: 0

Sequence: 1, 248, 4124, 34752, 213126, 1057504, 4530744, 17333248, 60655377, 197230000, 603096260, 1749556736, 4848776870, 12908659008, 33161242504
, 82505707520, 199429765972, 469556091240, 1079330385764, 2426800117504, 5346409013164

Sequence: A007246
Name: McKay-Thompson series of class 2B for the Monster group.

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

Printed: 32/exp(Pi)
Value: 1.3828453844407119927813 7
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

Sequence: A007247
Name: McKay-Thompson series of class 4B for the Monster group.

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

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

Sequence: A007248
Name: McKay-Thompson series of class 4C for the Monster group.

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

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

Sequence: A007249
Name: McKay-Thompson series of class 4D for the Monster group.

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

Printed: 2/exp(1/2*Pi)*2^(1/2)
Value: .58797223243124160156714 2
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

Sequence: A007259
Name: Expansion of Product_{m:=1} (1 + q^m)^(-8).

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

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

Sequence: A007267
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.

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

Printed: 648/exp(Pi)
Value: 28.0026190349244178538228
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

Sequence: A007331
Name: Fourier coefficients of E_{infinity,4}.

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

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

Sequence: A008410
Name: a(0) = 1, a(n) = 480*sigma_7(n).

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

Printed: 9/16*Pi^4/GAMMA(3/4)^16
Value: 2.11924559850655778482265
Number of terms: 512
Offset: 0

Sequence: 1, 480, 61920, 1050240, 7926240, 37500480, 135480960, 395301120, 1014559200, 2296875360, 4837561920, 9353842560, 17342613120, 30119288640
, 50993844480, 82051050240, 129863578080, 196962563520

Sequence: A008411
Name: Theta series of direct sum of 3 copies of E_8 lattice (the Niemeier lattice of type E_8^3).

$$\frac{27\,\pi^6}{64\,\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 27/64*Pi^6/GAMMA(3/4)^24
Value: 3.08511910190963849070468
Number of terms: 512
Offset: 0

Sequence: 1, 720, 179280, 16954560, 396974160, 4632858720, 34413301440, 187477879680, 814940600400, 2975469665040, 9486467837280, 27053330840640,
70485969919680, 169930679355360, 384163875688320, 820167497170560, 1668890801059920, 3249626139960480, 6096884624994960

Sequence: A008438
Name: Sum of divisors of 2*n + 1.

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

Printed: 1/8*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/2*Pi)
Value: 1.1847531676154454 4526703
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

Sequence: A008439
Name: Expansion of Jacobi theta constant theta_2^5 /32.

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

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

Sequence: A008440
Name: Expansion of Jacobi theta constant theta_2^6 /(64q^(3/2)).

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

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

Sequence: A008441
Name: Number of ways of writing n as the sum of 2 triangular numbers.

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

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

Sequence: A008443
Name: Number of ordered ways of writing n as the sum of 3 triangular numbers.

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

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

Sequence: A008451
Name: Number of ways of writing n as a sum of 7 squares.

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

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

Sequence: A008452
Name: Number of ways of writing n as a sum of 9 squares.

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

Printed: Pi^(9/4)/GAMMA(3/4)^9
Value: 2.1087886440443926216075 2
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

Sequence: A008453
Name: Number of ways of writing n as a sum of 11 squares.

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

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

Sequence: A008658
Name: Theta series of direct sum of 2 copies of D_4 lattice in powers of q^2.

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

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

Sequence: A008659
Name: Theta series of direct sum of 3 copies of D_4 lattice.

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

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

Sequence: A008660
Name: Theta series of direct sum of 4 copies of D_4 lattice.

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

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

Sequence: A008661
Name: Theta series of direct sum of 5 copies of D_4 lattice.

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

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

Sequence: A008662
Name: Theta series of direct sum of 6 copies of D_4 lattice.

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

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

Sequence: A008690
Name: Theta series of Niemeier lattice of type D_12^2.

$$\frac{3\ \pi^6}{8\ \Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 3/8*Pi^6/GAMMA(3/4)^24
Value: 2.74232809058634532507082
Number of terms: 512
Offset: 0

Sequence: 1, 528, 183888, 16906176, 397256784, 4631931360, 34414462656,
187481094528, 814924380240, 2975491484496, 9486490093920,
27053228195136,
70486041140928, 169930790281056, 384163798531968

Sequence: A008695
Name: Theta series of Niemeier lattice of type A_11 D_7 E_6.

$$\frac{81\ \pi^6}{256\ \Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 81/256*Pi^6/GAMMA(3/4)^24
Value: 2.31383932643222886802851
Number of terms: 512
Offset: 0

Sequence: 1, 288, 189648, 16845696, 397610064, 4630772160, 34415914176,
187485113088, 814904105040, 2975518758816, 9486517914720,

27053099888256,
70486130167488, 169930928938176, 384163702086528

Sequence: A008700
Name: Theta series of Niemeier lattice of type D_4^6.

$$\frac{9\,\pi^6}{32\,\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 9/32*Pi^6/GAMMA(3/4)^24
Value: 2.05674606793975899380312
Number of terms: 512
Offset: 0

Sequence: 1, 144, 193104, 16809408, 397822032, 4630076640, 34416785088,
187487524224, 814891939920, 2975535123408, 9486534607200,
27053022904128,
70486183583424, 169931012132448, 384163644219264, 820166796086400

Sequence: A010054
Name: a(n) = 1 if n is a triangular number, otherwise 0.

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

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, 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, 0

Sequence: A010815
Name: From Euler's Pentagonal Theorem: coefficient of q^n in Product_{m:=1}
(1 - q^m).

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

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, -1, 0, 0, 0,
0, 0, 0, -1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1

Sequence: A010816
Name: Expansion of Product_{k:=1} (1 - x^k)^3.

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

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,
-27, 0, 0, 0, 0, 0, 0, 0

Sequence: A010817
Name: Expansion of Product_{k:=1} (1 - x^k)^9.

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

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

Sequence: A010818
Name: Expansion of Product (1 - x^k)^10 in powers of x.

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

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

Sequence: A010819
Name: Expansion of Product_{k:=1} (1 - x^k)^11.

$$\frac{\pi^{11/4}\, \sqrt{2}}{64\, \Gamma\left(\frac{3}{4}\right)^{11}\, e^{-\frac{11\pi}{12}}}$$

Printed: 1/64*Pi^(11/4)/GAMMA(3/4)^11/exp(-11/12*Pi)*2^(1/2)
Value: .979611213502934412980045
Number of terms: 512
Offset: 0

Sequence: 1, -11, 44, -55, -110, 374, -143, -462, 55, 495, 1287, -2069, -902,
1210, -275, 3795, -1507, -2431, -3575, -385, 8690, -1661, 1143, 1265,
-4290, -12716, 2299, 11440, 3905, 8635, -10472, 6105, -20548, -1540, 8690, -
24904, 29634, 25003, 8470, -23320, -18183

Sequence: A010820
Name: Expansion of Product_{k:=1} (1 - x^k)^13.

$$\frac{\pi^{13/4}\sqrt{2}}{128\,\Gamma\left(\frac{3}{4}\right)^{13}\,e^{-\frac{13\pi}{12}}}$$

Printed: 1/128*Pi^(13/4)/GAMMA(3/4)^13/exp(-13/12*Pi)*2^(1/2)
Value: .975949074353367472573430
Number of terms: 512
Offset: 0

Sequence: 1, -13, 65, -130, -65, 728, -871, -715, 1560, 845, 78, -6513, 2730, 8605, -4355, 2483, -13299, -2275, 11440, 10010, 19734, -41834, -11375, 12870, -2730, 14911, 33201, 25155, -70070, -36595, -28925, 64389, 13650, 52780

Sequence: A010821
Name: Expansion of Product_{k:=1} (1 - x^k)^14.

$$\frac{\pi^{7/2}\,2^{3/4}}{64\,\Gamma\left(\frac{3}{4}\right)^{14}\,e^{-\frac{7\pi}{12}}}$$

Printed: 1/64*Pi^(7/2)/GAMMA(3/4)^14/exp(-7/12*Pi)*2^(3/4)
Value: .524239990217678658012122
Number of terms: 512
Offset: 0

Sequence: 1, -14, 77, -182, 0, 924, -1547, -506, 3003, 0, -1729, -8372, 9177, 13090, -15625, 0, -17017, 10556, 30107, 0, 7084, -89206, 11571, 69160, 0, 27132, 0, -19096, -153502, 0, 93093, 165242, 0, -38962, 0, -420838, 257439

Sequence: A010822
Name: Expansion of Product_{k:=1} (1 - x^k)^15.

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

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

Sequence: A010823
Name: Expansion of Product_{k:=1} (1 - x^k)^17.

$$\frac{\pi^{17/4}\, 2^{5/8}}{128\, \Gamma\left(\frac{3}{4}\right)^{17}\, e^{-\frac{17\,\pi}{24}}}$$

Printed: 1/128*Pi^(17/4)/GAMMA(3/4)^17/exp(-17/24*Pi)*2^(5/8)
Value: .45648810362722324198149 0
Number of terms: 512
Offset: 0

Sequence: 1, -17, 119, -408, 476, 1309, -5236, 4233, 8602, -15470, -4250, 5236, 45815, -21182, -117776, 101065, 46767, 36685, -36771, -267036, 143514, -18241, 486285, 81753, -1007250, 104006, 165767, 579292, 78829, 187510

Sequence: A010824
Name: Expansion of Product_{k:=1} (1 - x^k)^18.

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

Printed: 1/128*Pi^(9/2)/GAMMA(3/4)^18/exp(-3/4*Pi)*2^(1/4)
Value: .43590906755947600428874 6
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

Sequence: A010825
Name: Expansion of Product_{k:=1} (1 - x^k)^19.

$$\frac{\pi^{19/4}\sqrt{2}}{1024\,\Gamma\left(\frac{3}{4}\right)^{19}\,e^{-\frac{19\,\pi}{12}}}$$

Printed: 1/1024*Pi^(19/4)/GAMMA(3/4)^19/exp(-19/12*Pi)*2^(1/2)
Value: .965044594739512536182056
Number of terms: 512
Offset: 0

Sequence: 1, -19, 152, -627, 1140, 988, -9063, 14212, 7410, -44270, 22781, 38114, 36176, -137256, -154850, 480605, -46493, -316065, -153406, -\
254525, 1156948, -184927, 88483, -1051042, -2381650, 3838874, 1417039, -542146

Sequence: A010826
Name: Expansion of Product_{k:=1} (1 - x^k)^20.

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

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

Sequence: A010827
Name: Expansion of Product_{k:=1} (1 - x^k)^21.

$$\frac{\pi^{21/4}\sqrt{2}}{2048\,\Gamma\left(\frac{3}{4}\right)^{21}\,e^{-\frac{7\,\pi}{4}}}$$

Printed: 1/2048*Pi^(21/4)/GAMMA(3/4)^21/exp(-7/4*Pi)*2^(1/2)
Value: .961436910851497360193657
Number of terms: 512
Offset: 0

Sequence: 1, -21, 189, -910, 2205, -378, -13321, 33345, -10395, -86870, 122703, 46683, -98287, -264915, 96390, 1163064, -1113588, -1066527,

1042055
, 536025, 2287467, -3603805, -1391733, 478170, -562555, 13742379, -7889805

Sequence: A010828
Name: Expansion of Product_{k:=1} (1 - x^k)^22.

$$\frac{\pi^{11/2}\, 2^{3/4}}{512\, \Gamma\left(\frac{3}{4}\right)^{22}\, e^{-\frac{11\,\pi}{12}}}$$

Printed: 1/512*Pi^(11/2)/GAMMA(3/4)^22/exp(-11/12*Pi)*2^(3/4)
Value: .362461312998406938003715
Number of terms: 512
Offset: 0

Sequence: 1, -22, 209, -1078, 2926, -1672, -15169, 47234, -31350, -107426, 218680, -266, -234707, -237006, 405878, 1444806, -2415413, -1091398, 3018169, 523050, 1618309, -7344304, -134905, 5365866, 5852, 17297588, -24278276

Sequence: A010829
Name: Expansion of Product_{k:=1} (1 - x^k)^23.

$$\frac{\pi^{23/4}\, \sqrt{2}}{4096\, \Gamma\left(\frac{3}{4}\right)^{23}\, e^{-\frac{23\,\pi}{12}}}$$

Printed: 1/4096*Pi^(23/4)/GAMMA(3/4)^23/exp(-23/12*Pi)*2^(1/2)
Value: .957842713783787475324468
Number of terms: 512
Offset: 0

Sequence: 1, -23, 230, -1265, 3795, -3519, -16445, 64285, -64515, -120175, 354706, -123763, -407560, -48530, 817190, 1464341, -4376693, -135355, 6303955, -1282710, -682088, -11372603, 5678585, 13479425, -5451115, 16579596

Sequence: A010831
Name: Expansion of Product (1-x^k)^26.

$$\frac{\pi^{13/2}\, 2^{1/4}}{1024\, \Gamma\left(\frac{3}{4}\right)^{26}\, e^{-\frac{13\,\pi}{12}}}$$

Printed: 1/1024*Pi^(13/2)/GAMMA(3/4)^26/exp(-13/12*Pi)*2^(1/4)
Value: .301389012520607197768409
Number of terms: 512
Offset: 0

Sequence: 1, -26, 299, -1950, 7475, -13754, -12220, 132756, -276575, 0,
1010100, -1486030, -519961, 2486300, 829725, -2215486, -11643060,
18523050,
16317925, -42861650, 0, 11010090, 59644221, -5743400, -138219900

Sequence: A010833
Name: Expansion of Product (1-x^k)^28.

$$\frac{\pi^{7}\, \sqrt{2}}{2048\, \Gamma\left(\frac{3}{4}\right)^{28}\, e^{-\frac{7\,\pi}{6}}}$$

Printed: 1/2048*Pi^7/GAMMA(3/4)^28/exp(-7/6*Pi)*2^(1/2)
Value: .27482756734343181504636 0
Number of terms: 512
Offset: 0

Sequence: 1, -28, 350, -2520, 11025, -26180, 4158, 184600, -554400, 401100,
1496964, -3920280, 1444625, 6224400, -4972350, -7121296, -8308965,
50796900, -8971200, -121968000, 94011435, 80598288, 20282500, -
175228200

Sequence: A010839
Name: Expansion of Product_{k := 1} (1-x^k)^48.

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

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

Sequence: A013961
Name: a(n) = sigma_13(n), the sum of the 13th powers of the divisors of n.

$$\frac{1}{24\ e^{-2\ \pi}}$$

Printed: 1/24/exp(-2*Pi)
Value: 22.3121523135318640209602
Number of terms: 512
Offset: 1

Sequence: 1, 8193, 1594324, 67117057, 1220703126, 13062296532, 96889010408, 549822930945, 2541867422653, 10001220711318, 34522712143932,
107006334784468, 302875106592254, 793811662272744, 1946196290656824, 4504149450301441, 9904578032905938, 20825519793796029

Sequence: A014103
Name: Expansion of (eta(q^2) / eta(q))^24 in powers of q.

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

Printed: 1/8/exp(-Pi)
Value: 2.89258657909740862571612
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

Sequence: A014705
Name: Expansion of ((theta_2)^4 + (theta_3)^4) / eta(z/2)^4.

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

Printed: 3/exp(1/6*Pi)*2^(1/2)
Value: 2.5132760551143993693064 8

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

Sequence: A014787
Name: Expansion of Jacobi theta constant (theta_2/2)^12.

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

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

Sequence: A014805
Name: Expansion of Jacobi theta constant (theta_2/2)^16.

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

Printed: 1/1024*Pi^4/GAMMA(3/4)^16/exp(-2*Pi)
Value: 1.97020544098584637957179
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

Sequence: A014806
Name: Expansion of Jacobi theta constant (theta_2/2)^20.

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

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

Sequence: A014809
Name: Expansion of Jacobi theta constant (theta_2/2)^24.

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

Printed: 1/32768*Pi^6/GAMMA(3/4)^24/exp(-3*Pi)
Value: 2.76545929950379790410672
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

Sequence: A014969
Name: Expansion of (theta_3(q) / theta_4(q))^2 in powers of q.

$$\sqrt{2}$$

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

Sequence: A014972
Name: Expansion of (theta_3(q) / theta_4(q))^4 in powers of q; also of 1 / (1 - lambda(z)).

$$2$$

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

Sequence: A015128
Name: Number of overpartitions of n: an overpartition of n is an ordered sequence of nonincreasing integers that sum to n, where the first occurre\
nce of each integer may be overlined.

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

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

Sequence: A022043
Name: Theta series of D_12 lattice.

$$\frac{9\,\pi^3}{16\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

Printed: 9/16*Pi^3/GAMMA(3/4)^12
Value: 1.52113093664951435962599
Number of terms: 512
Offset: 0

Sequence: 1, 264, 7944, 64416, 253704, 825264, 1938336, 4437312, 8118024, 15653352, 24832944, 42517728, 61903776, 98021616, 133522752, 201364416,
259776264, 374842512, 471023592, 653690400, 793078704, 1082704128, 1279397088, 1699194816, 1980797856, 2578950264, 2949559536

Sequence: A022065
Name: Theta series of D*_12 lattice.

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

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

Sequence: A022567
Name: Expansion of Product_{m:=1} (1+x^m)^2.

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

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

Sequence: A022568
Name: Expansion of Product_{m:=1} (1+x^m)^3.

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

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

Sequence: A022569
Name: Expansion of Product_{m:=1} (1+x^m)^4.

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

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

Sequence: A022570
Name: Expansion of Product_{m:=1} (1+x^m)^5.

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

Printed: 1/2/exp(-5/24*Pi)*2^(3/8)
Value: 1.2476745786373246781070 1
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

Sequence: A022571
Name: Expansion of Product_{m:=1} (1+x^m)^6.

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

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

Sequence: A022572
Name: Expansion of Product_{m:=1} (1+x^m)^7.

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

Printed: 1/2/exp(-7/24*Pi)*2^(1/8)
Value: 1.36314437877709648396992
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

Sequence: A022573
Name: Expansion of Product_{m:=1} (1+x^m)^8.

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

Printed: 1/2/exp(-1/3*Pi)
Value: 1.42482695411318074873706
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

Sequence: A022574
Name: Expansion of Product_{m:=1} (1+x^m)^9.

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

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

Sequence: A022575
Name: Expansion of Product_{m:=1} (1+x^m)^10.

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

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

Sequence: A022576
Name: Expansion of Product_{m:=1} (1+x^m)^11.

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

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

Sequence: A022577
Name: Expansion of Product_{m:=1} (1+x^m)^12.

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

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

Sequence: A022578
Name: Expansion of Product_{m:=1} (1+x^m)^13.

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

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

Sequence: A022579
Name: Expansion of Product_{m:=1} (1+x^m)^14.

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

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

Sequence: A022580
Name: Expansion of Product_{m:=1} (1+x^m)^15.

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

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

Sequence: A022581
Name: Expansion of Product_{m:=1} (1+x^m)^16.

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

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

Sequence: A022582
Name: Expansion of Product_{m:=1} (1+x^m)^17.

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

Printed: 1/8/exp(-17/24*Pi)*2^(7/8)
Value: 2.1219957505105986572137 0
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

Sequence: A022583
Name: Expansion of Product_{m:=1} (1+x^m)^18.

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

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

Sequence: A022584
Name: Expansion of Product_{m:=1} (1+x^m)^19.

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

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

Sequence: A022585
Name: Expansion of Product_{m:=1} (1+x^m)^20.

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

Printed: 1/8/exp(-5/6*Pi)*2^(1/2)
Value: 2.4232895288635968972919 9
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

Sequence: A022586
Name: Expansion of Product_{m:=1} (1+x^m)^21.

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

Printed: 1/8/exp(-7/8*Pi)*2^(3/8)
Value: 2.53294389948820356984262
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

Sequence: A022587
Name: Expansion of Product_{m:=1} (1 + x^m)^22.

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

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

Sequence: A022588
Name: Expansion of Product_{m:=1} (1 + x^m)^23.

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

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

Sequence: A022589
Name: Expansion of Product_{m:=1} (1 + q^m)^25.

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

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

Sequence: A022590
Name: Expansion of Product_{m:=1} (1+q^m)^26.

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

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

Sequence: A022591
Name: Expansion of Product_{m:=1} (1+q^m)^27.

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

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

Sequence: A022592
Name: Expansion of Product_{m:=1} (1+q^m)^28.

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

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

Sequence: A022593
Name: Expansion of Product_{m:=1} (1+q^m)^29.

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

Printed: 1/16/exp(-29/24*Pi)*2^(3/8)
Value: 3.60900674124733973840379
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

Sequence: A022594
Name: Expansion of Product_{m:=1} (1+q^m)^30.

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

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

Sequence: A022595
Name: Expansion of Product_{m :=1} (1+q^m)^31.

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

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

Sequence: A022596
Name: Expansion of Product_{m:=1} (1+q^m)^32.

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

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

Sequence: A022597
Name: Expansion of Product_{m := 1} (1 + q^m)^(-2).

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

Printed: 1/exp(1/12*Pi)*2^(1/4)
Value: .91529158470846497950550 4
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

Sequence: A022598
Name: Expansion of Product_{m:=1} (1+q^m)^(-3).

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

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

Sequence: A022599
Name: Expansion of Product_{m:=1} (1+q^m)^(-4).

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

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

Sequence: A022600
Name: Expansion of Product_{m:=1} (1+q^m)^(-5).

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

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

Sequence: A022601
Name: Expansion of Product_{m:=1} (1+q^m)^(-6).

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

Printed: 1/exp(1/4*Pi)*2^(3/4)
Value: .76679347443183265627314 1
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

Sequence: A022602
Name: Expansion of Product_{m:=1} (1+q^m)^(-7).

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

Printed: 1/exp(7/24*Pi)*2^(7/8)
Value: .73359800734909649302142 8
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

Sequence: A022604
Name: Expansion of Product_{m:=1} (1+q^m)^(-9).

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

Printed: 2/exp(3/8*Pi)*2^(1/8)
Value: .67145608268552666730828 6
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

Sequence: A022605
Name: Expansion of Product_{m:=1} (1+q^m)^(-10).

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

Printed: 2/exp(5/12*Pi)*2^(1/4)
Value: .642387892835833478213886
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

Sequence: A022606
Name: Expansion of Product_{m:=1} (1+q^m)^(-11).

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

Printed: 2/exp(11/24*Pi)*2^(3/8)
Value: .614578101983373797053490
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

Sequence: A022608
Name: Expansion of Product_{m:=1} (1+q^m)^(-13).

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

Printed: 2/exp(13/24*Pi)*2^(5/8)
Value: .562518164891482806795362
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

Sequence: A022609
Name: Expansion of Product_{m:=1} (1+q^m)^(-14).

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

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

Sequence: A022610
Name: Expansion of Product_{m:=1} (1+q^m)^(-15).

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

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

Sequence: A022611
Name: Expansion of Product_{m:=1} (1+q^m)^(-16).

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

Printed: 4/exp(2/3*Pi)
Value: .49257884428053253456613 2
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

Sequence: A022612
Name: Expansion of Product_{m:=1} (1+q^m)^(-17).

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

Printed: 4/exp(17/24*Pi)*2^(1/8)
Value: .47125447812955237835 0004
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

Sequence: A022613
Name: Expansion of Product_{m:=1} (1+q^m)^(-18).

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

Printed: 4/exp(3/4*Pi)*2^(1/4)
Value: .45085327097539282474462 8
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

Sequence: A022614
Name: Expansion of Product_{m:=1} (1+q^m)^(-19).

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

Printed: 4/exp(19/24*Pi)*2^(3/8)
Value: .43133525808815864778086 8
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

Sequence: A022615
Name: Expansion of Product_{m:=1} (1+q^m)^(-20).

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

Printed: 4/exp(5/6*Pi)*2^(1/2)
Value: .41266220486206227696 4312
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

Sequence: A022616
Name: Expansion of Product_{m:=1} (1+q^m)^(-21).

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

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

Sequence: A022617
Name: Expansion of Product_{m:=1} (1+q^m)^(-22).

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

Printed: 4/exp(11/12*Pi)*2^(3/4)
Value: .37770624343748620349960 8
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

Sequence: A022618
Name: Expansion of Product_{m:=1} (1+q^m)^(-23).

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

Printed: 4/exp(23/24*Pi)*2^(7/8)
Value: .36135485862651956333126 0
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

Sequence: A022620
Name: Expansion of Product_{m:=1} (1+q^m)^(-25).

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

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

Sequence: A022621
Name: Expansion of Product_{m:=1} (1+q^m)^(-26).

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

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

Sequence: A022622
Name: Expansion of Product_{m:=1} (1+q^m)^(-27).

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

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

Sequence: A022623
Name: Expansion of Product_{m:=1} (1+q^m)^(-28).

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

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

Sequence: A022624
Name: Expansion of Product_{m:=1} (1+q^m)^(-29).

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

Printed: 8/exp(29/24*Pi)*2^(5/8)
Value: .27708454754949052632953638
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

Sequence: A022625

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

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

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

Sequence: A022626
Name: Expansion of Product_{m:=1} (1+q^m)^(-31).

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

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

Sequence: A022627
Name: Expansion of Product_{m:=1} (1+q^m)^(-32).

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

Printed: 16/exp(4/3*Pi)
Value: .242633917832745119240656
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

Sequence: A023003
Name: Number of partitions of n into parts of 4 kinds.

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

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

Sequence: A023004
Name: Number of partitions of n into parts of 5 kinds.

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

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

Sequence: A023005
Name: Number of partitions of n into parts of 6 kinds.

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

Printed: 4/Pi^(3/2)*GAMMA(3/4)^6/exp(1/4*Pi)*2^(1/4)
Value: 1.31886810519799737130740
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

Sequence: A023006
Name: Number of partitions of n into parts of 7 kinds.

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

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

Sequence: A023007
Name: Number of partitions of n into parts of 8 kinds.

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

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

Sequence: A023008
Name: Number of partitions of n into parts of 9 kinds.

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

Printed: 8/Pi^(9/4)*GAMMA(3/4)^9/exp(3/8*Pi)*2^(3/8)
Value: 1.5146142847394321844 1983
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

Sequence: A023009
Name: Number of partitions of n into parts of 10 kinds.

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

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

Sequence: A023010
Name: Number of partitions of n into parts of 11 kinds.

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

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

Sequence: A023011
Name: Number of partitions of n into parts of 13 kinds.

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

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

Sequence: A023012
Name: Number of partitions of n into parts of 14 kinds.

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

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

Sequence: A023013
Name: Number of partitions of n into parts of 15 kinds.

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

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

Sequence: A023014
Name: Number of partitions of n into parts of 16 kinds.

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

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

Sequence: A023015

Name: Number of partitions of n into parts of 17 kinds.

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

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

Sequence: A023016
Name: Number of partitions of n into parts of 18 kinds.

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

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

Sequence: A023017
Name: Number of partitions of n into parts of 19 kinds.

$$\frac{512\,\Gamma\left(\frac{3}{4}\right)^{19}\,\sqrt{2}}{\pi^{19/4}\,e^{\frac{19\,\pi}{12}}}$$

Printed: 512/Pi^(19/4)*GAMMA(3/4)^19/exp(19/12*Pi)*2^(1/2)

Value: 1.03622154401053634412907
Number of terms: 512
Offset: 0

Sequence: 1, 19, 209, 1710, 11495, 66880, 347681, 1649637, 7252300, 29875505, 116319938, 430976031, 1527928814, 5206792965, 17119704425, 54484060983, 168297474675, 505762373795, 1481733152790, 4239676354650, 11866652524496, 32536693623850

Sequence: A023018
Name: Number of partitions of n into parts of 20 kinds.

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

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

Sequence: A023019
Name: Number of partitions of n into parts of 21 kinds.

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

Printed: 128/Pi^(21/4)*GAMMA(3/4)^21/exp(7/8*Pi)*2^(7/8)
Value: 2.6345398963774958491580 3
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

Sequence: A023020

Name: Number of partitions of n into parts of 22 kinds.

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

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

Sequence: A023021
Name: Number of partitions of n into parts of 23 kinds.

$$\frac{2048\ \Gamma\left(\frac{3}{4}\right)^{23}\ \sqrt{2}}{\pi^{23/4}\ e^{\frac{23\ \pi}{12}}}$$

Printed: 2048/Pi^(23/4)*GAMMA(3/4)^23/exp(23/12*Pi)*2^(1/2)
Value: 1.04401274406491818988530
Number of terms: 512
Offset: 0

Sequence: 1, 23, 299, 2852, 22126, 147407, 871838, 4680845, 23177583,
107100903, 466066181, 1923780950, 7576060505, 28601630657,
103928814438,
364712523658, 1239637963457, 4091266414235, 13139808783725,
41145568478988, 125833948024603, 376417734772625, 1102878148698235

Sequence: A025233
Name: Expansion of Product_{m:=1} (1 + q^m)^48.

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

Printed: 1/64/exp(-2*Pi)
Value: 8.3670571175744900786006
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

Sequence: A025466
Name: Number of partitions of n into 4 distinct nonnegative cubes.

$$\frac{1}{e^{72\,\pi}}$$

Printed: 1/exp(72*Pi)
Value: .581972580415526173629644e-98
Number of terms: 512
Offset: 0

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 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, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0,
0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0

Sequence: A025469
Name: Number of partitions of n into 3 distinct positive cubes.

$$\frac{1}{e^{72\,\pi}}$$

Printed: 1/exp(72*Pi)
Value: .581972580415526173629644e-98
Number of terms: 512
Offset: 0

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 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, 0,
0, 0, 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

Sequence: A027364
Name: Coefficients of unique normalized cusp form Delta_16 of weight 16 for full modular group.

$$\frac{3\,\pi^8}{16384\,\Gamma\left(\frac{3}{4}\right)^{32}\,e^{-2\,\pi}}$$

Printed: 3/16384*Pi^8/GAMMA(3/4)^32/exp(-2*Pi)
Value: 1.3917830696543088746810 3
Number of terms: 512
Offset: 1

Sequence: 1, 216, -3348, 13888, 52110, -723168, 2822456, -4078080, -3139803, 11255760, 20586852, -46497024, -190073338, 609650496, -174464280, -\
1335947264, 1646527986, -678197448, 1563257180, 723703680, -9449582688, 4446760032, 9451116072, 13653411840, -27802126025, -41055841008

Sequence: A028512
Name: Character of extremal vertex operator algebra of rank 16.

$$\frac{144}{e^{\frac{4\,\pi}{3}}}$$

Printed: 144/exp(4/3*Pi)
Value: 2.1837052604947060731659 0
Number of terms: 512
Offset: 0

Sequence: 1, 496, 69752, 2115008, 34670620, 394460000, 3499148224, 25817318016, 165011628166, 939112182480, 4853601292512, 23116070653888,
102602164703800, 428200065370144, 1692346392263680, 6371305129660032

Sequence: A028513
Name: Expansion of A007245^4.

$$\frac{20736}{e^{\frac{8\,\pi}{3}}}$$

Printed: 20736/exp(8/3*Pi)
Value: 4.7685866471225210849720
Number of terms: 512
Offset: 0

Sequence: 1, 992, 385520, 73424000, 7032770680, 330234251072, 9708251628992, 205208814844160, 3384709979113500,

45920987396301280,
531402725344000864, 5384625599438260096, 48726640432968418240,
399835655086212744000

Sequence: A028514
Name: Expansion of A007245^5.

$$\frac{248832}{e^{\frac{10\,\pi}{3}}}$$

Printed: 248832/exp(10/3*Pi)
Value: 7.0466881252089701700 1383
Number of terms: 512
Offset: 0

Sequence: 1, 1240, 635660, 173158720, 26866494270, 2390772025248,
123244340937400, 4235204881123840, 107367902876988285,
2147149471392237840,
35461233105160369124, 499800581310885326080,
615999454959101077830

Sequence: A028515
Name: Expansion of A007245^6.

$$\frac{2985984}{e^{4\,\pi}}$$

Printed: 2985984/exp(4*Pi)
Value: 10.4131484781623611945128
Number of terms: 512
Offset: 0

Sequence: 1, 1488, 947304, 335950912, 72474624276, 9790124955552,
833107628914688, 45630592148400000, 1754954450906393538,
51062104386000089648,
1186840963302480101376, 22924552119951492244800,
378933532779364657975000

Sequence: A028516
Name: Expansion of A007245^8.

$$\frac{429981696}{e^{\frac{16\,\pi}{3}}}$$

Printed: 429981696/exp(16/3*Pi)

Value: 22.7392471100755910674036
Number of terms: 512
Offset: 0

Sequence: 1, 1984, 1755104, 911719680, 308364427760, 71226326491264, 11488232538492032, 1307043714624803328, 105853456783515750520, 6235592163326852466880, 278442896270934914719552, 9831877365857693440182016, 284555804926510720221660608

Sequence: A028517
Name: Expansion of A007245^24.

$$\frac{7949684720339084413344153 6}{e^{16\,\pi}}$$

Printed: 7949684720339084413344153 6/exp(16*Pi)
Value: 11757.8588873639930909988
Number of terms: 512
Offset: 0

Sequence: 1, 5952, 17074080, 31437448960, 41744990458320, 42586194035620224, 34719458595864031616, 23234118924242879116800, 13008589100166071977563240, 6180784894711776010070160960, 2519157092418897953376356488128

Sequence: A029552
Name: Expansion of phi(x) / f(-x) in powers of x where phi(), f() are Ramanujan theta functions.

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

Printed: 1/exp(1/24*Pi)*2^(3/8)
Value: 1.1377248228902601159433 8
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

Sequence: A029769
Name: Expansion of eta(q^2)^12 / theta_3(q)^3 in powers of q.

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

Printed: 1/64*Pi^(9/4)/GAMMA(3/4)^9/exp(-Pi)
Value: .76248171623947907265133 4
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

Sequence: A029838
Name: Expansion of square root of q times normalized Hauptmodul for Gamma(4) in powers of q^8.

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

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

Sequence: A029839
Name: McKay-Thompson series of class 16B for the Monster group.

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

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

Sequence: A029840
Name: Expansion of Product_{m:=1} ((1+q^(2*m-1))/(1+q^(2*m)))^3.

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

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

Sequence: A029841
Name: McKay-Thompson series of class 8E for the Monster group.

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

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

Sequence: A029842
Name: Expansion of Product_{m:=1} ((1+q^(2*m-1))/(1+q^(2*m)))^5.

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

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

Sequence: A029843
Name: Expansion of Product_{m:=1} ((1+q^(2*m-1))/(1+q^(2*m)))^6.

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

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

Sequence: A029844
Name: Expansion of Product_{m:=1} ((1+q^(2*m-1))/(1+q^(2*m)))^7.

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

Printed: 16/exp(7/8*Pi)*2^(3/8)
Value: 1.3279353173572027106592 4
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

Sequence: A029845
Name: Expansion of 16/lambda(z) in powers of nome q = exp(Pi*i*z).

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

Printed: 32/exp(Pi)
Value: 1.38284538444071199278137
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

Sequence: A029862
Name: Expansion of q^(5/24) / (eta(q) * eta(q^2)^2) in powers of q

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

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

Sequence: A030199
Name: Expansion of x * Product_{k:=1} (1 - x^k) * (1 - x^(23*k)).

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

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/12*Pi)*2^(1/2)
Value: .998129069925958513279955
Number of terms: 512
Offset: 1

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

0, -1, 0, -1, 0, 0, -1, 0, 0, -1

Sequence: A030204
Name: Expansion of q^(-1/8) * eta(q) * eta(q^2) in powers of q.

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

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/8*Pi)*2^(1/8)
Value: .95313220370521885773271 0
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, 2, 1, 0, 0, 0,
0, 2, 2, 0, 2, -2, 0, -2, 1, 0

Sequence: A030211
Name: Expansion of q^(-1/2) * (eta(q) * eta(q^2))^4 in powers of q.

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

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

Sequence: A030212
Name: Glaisher's chi_4(n).

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

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

Sequence: A033683
Name: a(n) = 1 if n is an odd square not divisible by 3, otherwise 0.

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

Printed: 1/exp(2*Pi)
Value: .18674427317079888144302 2e-2
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, 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, 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

Sequence: A033759
Name: Expansion of Product_{d | 47} theta_3(q^d).

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

Printed: Pi^(1/4)/GAMMA(3/4)
Value: 1.0864348112133080145753 1
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

Sequence: A033761
Name: Product t2(q^d); d | 2, where t2 = theta2(q)/(2*q^(1/4)).

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

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

Sequence: A033782
Name: Product t2(q^d); d | 23, where t2 = theta2(q)/(2*q^(1/4)).

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

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, 1, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 0,
1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 1,
0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 0, 1,
0, 0, 2, 1, 0, 0, 0, 0, 1, 0, 0, 0

Sequence: A033788
Name: Product t2(q^d); d | 29, where t2 = theta2(q)/(2*q^(1/4)).

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

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, 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, 1, 1, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 1, 1,
0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0,
0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1

Sequence: A033790
Name: Product t2(q^d); d | 31, where t2 = theta2(q)/(2*q^(1/4)).

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

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, 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, 1, 1, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 1,
1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0,
1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0

Sequence: A033796
Name: Product t2(q^d); d | 37, where t2 = theta2(q)/(2*q^(1/4)).

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

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, 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, 1, 1, 0, 1, 0, 0, 1, 0, 1,
0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0,
0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0

Sequence: A033800
Name: Product t2(q^d); d | 41, where t2 = theta2(q)/(2*q^(1/4)).

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

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, 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, 1, 1, 0, 1, 1,
0, 1, 0, 0, 0, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0,
0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0

Sequence: A033802
Name: Product t2(q^d); d | 43, where t2 = theta2(q)/(2*q^(1/4)).

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

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, 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, 1, 1, 1,
1, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0,
0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0

Sequence: A033806
Name: Product t2(q^d); d | 47, where t2 = theta2(q)/(2*q^(1/4)).

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

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

Sequence: A034320
Name: Coefficients of completely replicable function 50a with a(0) = 1.

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

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

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, 141, 164, 191, 220, 254, 293, 336, 385, 442,
504, 575, 656, 745, 846, 960, 1086, 1228, 1388, 1564, 1762, 1984, 2228,
2501, 2806, 3142, 3516, 3932, 4390, 4898, 5462, 6082

Sequence: A034952
Name: Expansion of eta(16z)^4*eta(4z)^2.

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

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

Sequence: A035016
Name: Fourier coefficients of E_{0,4}.

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

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

Value: .48525429742290310748746 8
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

Sequence: A035036
Name: Fourier coefficients of E_{gamma,2}*E_{0,4}.

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

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

Sequence: A035099
Name: McKay-Thompson series of class 2B for the Monster group with a(0) = 40.

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

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

Sequence: A035150
Name: Fourier coefficients of (normalized Delta)^4.

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

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, -725567312642737 8, 2890830566177 1648

Sequence: A035190
Name: Fourier coefficients of (normalized Delta)^5.

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

Printed: 1/35184372088832*Pi^30/GAMMA(3/4)^120/exp(-5*Pi)
Value: .3944324954496747385375 99e-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

Sequence: A035293
Name: Fourier coefficients of T_6.

$$\frac{2304\,\Gamma\left(\frac{3}{4}\right)^{8}}{\pi^{2}\,e^{2\,\pi}}$$

Printed: 2304/Pi^2*GAMMA(3/4)^8/exp(2*Pi)
Value: 2.21666664092696606538240
Number of terms: 512
Offset: -1

Sequence: 1, 504, 73764, 2695040, 54755730, 778640256, 8638286840,

79534711296, 632179869615, 4456706505600, 28415446027380,
166276832866560,
903193785328974, 4595374951395840, 22061107725128280,
100534965940777984

Sequence: A035315
Name: Fourier coefficients of T_{10}.

$$\frac{3072\,\Gamma\left(\frac{3}{4}\right)^{16}}{\pi^4\,e^{2\,\pi}}$$

Printed: 3072/Pi^4*GAMMA(3/4)^16/exp(2*Pi)
Value: 1.52268384686769905697399
Number of terms: 512
Offset: -1

Sequence: 1, 264, 8244, 139520, 1672290, 15872256, 126745880, 884100096,
5525046495, 31498809600, 166049246340, 817866616320, 3794952949854,
16699329285120, 70071039813240, 281650911606784, 1088671630120515,
4060062852952320

Sequence: A035363
Name: Number of partitions of n into even parts.

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

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

Sequence: A035444
Name: Number of partitions of n into parts 4k.

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

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

Sequence: A035457
Name: Number of partitions of n into parts of the form 4*k + 2.

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

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

Sequence: A037945
Name: Coefficients of unique normalized cusp form Delta_20 of weight 20 for full modular group.

$$\frac{9\,\pi^{10}}{65536\,\Gamma\left(\frac{3}{4}\right)^{40}\,e^{-2\,\pi}}$$

Printed: 9/65536*Pi^10/GAMMA(3/4)^40/exp(-2*Pi)
Value: 2.02610614689057921332837
Number of terms: 512
Offset: 1

Sequence: 1, 456, 50652, -316352, -2377410, 23097312, -16917544, -

383331840, 1403363637, -1084098960, -16212108, -16023861504, 50421615062, -\
7714400064, -120420571320, -8939761664, 225070099506, 639933818472

Sequence: A045479
Name: McKay-Thompson series of class 2B for the Monster group with a(0) = -8.

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

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

Sequence: A045820
Name: Theta series of D8 lattice with respect to midpoint of edge.

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

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

Sequence: A045823
Name: a(n) = sigma_3(2*n+1).

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

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

Sequence: A045828
Name: One fourth of theta series of cubic lattice with respect to face.

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

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

Sequence: A045831
Name: Number of 4-core partitions of n.

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

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

Sequence: A045834
Name: Half of theta series of cubic lattice with respect to edge.

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

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

Sequence: A050468
Name: Sum_{d|n, n/d=1 mod 4} d^4 - Sum_{d|n, n/d=3 mod 4} d^4.

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

Printed: 9/256*Pi^(5/2)/GAMMA(3/4)^10/exp(-Pi)
Value: 1.8638700287315344606697 2
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

Sequence: A050470
Name: a(n) = Sum_{d|n, n/d == 1 (mod 4)} d^2 - Sum_{d|n, n/d == 3 (mod 4)} d^2.

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

Printed: 1/32*Pi^(3/2)/GAMMA(3/4)^6/exp(-Pi)
Value: 1.1891822320988303344104
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

Sequence: A051136
Name: Number of 2-colored generalized Frobenius partitions.

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

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

Sequence: A052241
Name: McKay-Thompson series of class 8C for Monster.

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

Printed: 3/exp(1/4*Pi)*2^(3/4)
Value: 2.3003804232954979688 1942
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

Sequence: A055978
Name: A sequence related to Ramanujan's tau function.

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

Printed: 1/524288*Pi^4/GAMMA(3/4)^20/exp(-4*Pi)
Value: .913816675489692943855202
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

Sequence: A058584
Name: McKay-Thompson series of class 24a for Monster.

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

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

Sequence: A061858
Name: Differences between the ordinary multiplication table A004247 and the carryless multiplication table for GF(2)[X] polynomials A048720, i.e.,\
the effect of the carry bits in binary multiplication.

$$\frac{4}{e^{48\,\pi}}$$

Printed: 4/exp(48*Pi)
Value: .129418096217557422053567e-64
Number of terms: 103
Offset: 0

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0,

0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 8, 0, 0, 8, 0, 0, 0, 0, 0, 0, 12, 0, 8, 0, 12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 8, 16, 8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 24, 24, 0, 0, 0

Sequence: A079006
Name: Expansion of q^(-1/4) * (eta(q) * eta(q^4)^2 / eta(q^2)^3)^2 in powers of q.

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

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

Sequence: A080054
Name: G.f.: Product_{n := 0} (1+x^(2n+1))/(1-x^(2n+1)).

$$2^{1/8}$$

Printed: 2^(1/8)
Value: 1.09050773266525765920701
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

Sequence: A080332
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).

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

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, -
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

Sequence: A080965
Name: Expansion of eta(q^2)^12/(eta(q)^4eta(q^4)^5) in powers of q.

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

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

Sequence: A080966
Name: Expansion of theta_4(q^2) * theta_2(q)^2/(4*q^(1/2)) in powers of q.

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

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

Sequence: A081360
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.

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

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

Sequence: A081362
Name: Expansion of q^(1/24) * eta(q) / eta(q^2) in powers of q.

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

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

Sequence: A081864
Name: Sum of 5th powers of the divisors of odd numbers: a(n) = sigma_5(2n-1).

$$\frac{3\,\pi^3}{128\,\Gamma\left(\frac{3}{4}\right)^{12} e^{-\pi}}$$

Printed: 3/128*Pi^3/GAMMA(3/4)^12/exp(-Pi)

Value: 1.46666764413408524586508
Number of terms: 512
Offset: 1

Sequence: 1, 244, 3126, 16808, 59293, 161052, 371294, 762744, 1419858,
2476100, 4101152, 6436344, 9768751, 14408200, 20511150, 28629152,
39296688,
52541808, 69343958, 90595736, 115856202, 147008444, 185349918,
229345008, 282492057, 346445352

Sequence: A082303
Name: McKay-Thompson series of class 32e for the Monster group.

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

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

Sequence: A082304
Name: McKay-Thompson series of class 16d for the Monster group.

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

Printed: 2/exp(1/4*Pi)
Value: .911876255531992473531842
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

Sequence: A082556
Name: G.f.: Product_{m:=1} 1/(1-x^m)^30.

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

Printed: 2048/Pi^(15/2)*GAMMA(3/4)^30/exp(5/4*Pi)*2^(1/4)
Value: 3.9903117607692986598050 0
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

Sequence: A082557
Name: G.f.: Product_{m:=1} 1/(1-x^m)^32.

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

Printed: 4096/Pi^8*GAMMA(3/4)^32/exp(4/3*Pi)
Value: 4.3759661115974523862839 7
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

Sequence: A082558
Name: Expansion of Product_{m:=1} 1/(1-x^m)^48.

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

Printed: 262144/Pi^12*GAMMA(3/4)^48/exp(2*Pi)
Value: 9.1540003586295100301306 2
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

Sequence: A082559
Name: G.f.: Product_{m:=1} 1/(1-x^m)^64.

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

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

Sequence: A082564
Name: Expansion of eta(q)^2 * eta(q^2) / eta(q^4) in powers of q.

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

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

Sequence: A083365
Name: Expansion of psi(x) / phi(x) in powers of x where phi(), psi() are

Ramanujan theta functions.

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

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

Sequence: A083703
Name: Expansion of eta(q)^4/eta(q^4) in powers of q.

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

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

Sequence: A083928
Name: Inverse function of N -: N injection A080298.

$$\frac{1}{e^{12\,\pi}}$$

Printed: 1/exp(12*Pi)
Value: .424115118301607754401756e-16
Number of terms: 100
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, 2, 0, 0, 0, 0, 0, 0,

0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0

Sequence: A084928
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 v\ iew\ that can have primes.

$$\frac{1}{e^{\pi}}$$

Printed: 1/exp(Pi)
Value: .43213918263772249774417 9e-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, 1, 0, 1, 1, 1, 0, 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, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 2

Sequence: A085140
Name: Expansion of q^(-1/6) * eta(q^2)^3 / eta(q)^2 in powers of q.

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

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/6*Pi)*2^(1/4)
Value: 1.0905039296781894905851 4
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

Sequence: A089798
Name: Expansion of Jacobi theta function theta_4(q^2).

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

Printed: 1/2*Pi^(1/4)*2^(7/8)/GAMMA(3/4)
Value: .99626511456090713578995 0
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, 0, 0, 0,
0, 0, 0, -2, 0, 0, 0

Sequence: A089799
Name: Expansion of Jacobi theta function theta_2(q^(1/2))/q^(1/8).

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

Printed: Pi^(1/4)/GAMMA(3/4)/exp(-1/8*Pi)*2^(3/8)
Value: 2.0865892485875548029353 1
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, 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, 2, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0

Sequence: A089800
Name: Expansion of Jacobi theta function theta_2(q)/q^(1/4).

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

Printed: 1/2*2^(3/4)*Pi^(1/4)/GAMMA(3/4)/exp(-1/4*Pi)
Value: 2.0037348984882403346116 6
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, 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, 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

Sequence: A092833
Name: Expansion of q / (chi(-q) * chi(-q^23)) in powers of q where chi() is a Ramanujan theta function.

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

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

Sequence: 1, 1, 1, 2, 2, 3, 4, 5, 6, 8, 10, 12, 15, 18, 22, 27, 32, 38, 46, 54, 64,
76, 89, 105, 123, 143, 167, 194, 225, 260, 301, 346, 398, 458,
524, 600, 686, 782, 891, 1014, 1151, 1306, 1480, 1674, 1892, 2137, 2409,
2713, 3053, 3431, 3852, 4322, 4842, 5421, 6064, 6776

Sequence: A092877
Name: Expansion of (eta(q^4) / eta(q))^8 in powers of q.

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

Printed: 1/16/exp(-Pi)
Value: 1.4462932895487043128 5806
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

Sequence: A092885
Name: Number of partitions of n in which no parts are multiples of 25.

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

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, 1, 2, 3, 5, 7, 11, 15, 22, 30, 42, 56, 77, 101, 135, 176, 231, 297, 385, 490, 627, 792, 1002, 1255, 1575, 1957, 2435, 3008, 3715, 4560
, 5597, 6831, 8334, 10121, 12280, 14841, 17921, 21560, 25914, 31050, 37162, 44352, 52877, 62876, 74685, 88507

Sequence: A093160
Name: Expansion of q^(-1/2) * (eta(q^4) / eta(q))^4 in powers of q.

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

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

Sequence: A096562
Name: Coefficients of replicable function number \25a\ with a(0) = -1.

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

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/12*Pi)*2^(1/2)
Value: .998129069925958513279955
Number of terms: 512
Offset: -1

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,
1, 0, -1, 0, 0, 1, 0, 1, 0, 0, -1, 0, -1, 0, 0, -2, 0, 0,

0, 0, 0, 0, 1, 0, 0, 2, 0, -2, 0, 0, 2, 0, 3, 0, 0, -1, 0, -2, 0, 0, -3, 0, 0, 0, 0, -1, 0, 2, 0, 0, 3, 0, -4, 0, 0, 3, 0, 4, 0, 0, -2, 0, -3, 0, 0, -\
5, 0, 1, 0, 0, -1, 0, 3, 0, 0, 6, 0, -6, 0, 0

Sequence: A096727
Name: Expansion of eta(q)^8 / eta(q^2)^4 in powers of q.

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

Printed: 1/2*Pi/GAMMA(3/4)^4
Value: .69660196484283842959 2120
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

Sequence: A096920
Name: Expansion of q^(-1/12) * eta(q^2)^4 / (eta(q)^2 * eta(q^4)) in powers of q.

$$\frac{\pi^{1/4}\,2^{5/8}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{-\frac{\pi}{12}}}$$

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

Sequence: A096960
Name: a(n) = Sum_{0<d|n, n/d odd} d^5.

$$\frac{3\,\pi^3}{64\,\Gamma\left(\frac{3}{4}\right)^{12}\,e^{-\pi}}$$

Printed: 3/64*Pi^3/GAMMA(3/4)^12/exp(-Pi)
Value: 2.9333352882681704917301 5
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

Sequence: A096961
Name: a(n) = Sum_{0<d|n, n/d odd} d^7.

$$\frac{9\,\pi^4}{64\,\Gamma\left(\frac{3}{4}\right)^{16}\,e^{-\pi}}$$

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

Sequence: A097243
Name: Expansion of 1 + 32 * (eta(q^4) / eta(q))^8 in powers of q.

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

Sequence: A097340
Name: McKay-Thompson series of class 4A for the Monster group with a(0) = 24.

$$\frac{64}{e^{\pi}}$$

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

Sequence: A097723
Name: One fourth of sum of divisors of 4n+3.

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

Printed: 1/16*Pi/GAMMA(3/4)^4/exp(-3/4*Pi)*2^(1/4)
Value: 1.0925327702793314551 2585
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

Sequence: A098613
Name: Expansion of psi(x^2) / f(-x) in powers of x where psi(), f() are
Ramanujan theta functions.

$$\frac{2^{1/8}}{2\, e^{-\frac{5\pi}{24}}}$$

Printed: 1/2/exp(-5/24*Pi)*2^(1/8)
Value: 1.0491650805793150925 8174
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

Sequence: A099059
Name: The odd bisection of A000594.

$$\frac{9\,\pi^6}{1024\,\Gamma\left(\frac{3}{4}\right)^{24}\,e^{-\pi}}$$

Printed: 9/1024*Pi^6/GAMMA(3/4)^24/exp(-Pi)
Value: 1.4873290181834784634736
Number of terms: 512
Offset: 0

Sequence: 1, 252, 4830, -16744, -113643, 534612, -577738, 1217160, -6905934, 10661420, -4219488, 18643272, -25499225, -73279080, 128406630, -\
52843168, 134722224, -80873520, -182213314, -145589976, 308120442, -17125708, -548895690, 2687348496, -1696965207, -1740295368, -1596055698

Sequence: A100130
Name: Expansion of (eta(q) * eta(q^4) / eta(q^2)^2)^24 in powers of q.

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

Printed: 1/64/exp(-Pi)
Value: .36157332238717607821451 6
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

Sequence: A101127
Name: McKay-Thompson series of class 12D for the Monster group.

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

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

Sequence: A101277
Name: Number of partitions of 2n in which all odd parts occur with multiplicity 2. There is no restriction on the even parts.

$$\frac{2^{5/8}\,\Gamma\left(\frac{3}{4}\right)}{\pi^{1/4}\,e^{\frac{\pi}{12}}}$$

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

Sequence: A104794
Name: Expansion of theta_4(q)^2 in powers of q.

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

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

Sequence: A105094
Name: Expansion of 8 * (eta(q^2) / eta(q)^2)^8 in powers of q.

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

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

Sequence: A105095
Name: Expansion of 8*eta(2*tau)^8/eta(tau)^16 + eta(tau/2)^8/eta(tau)^16.

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

Printed: 24/Pi^2*GAMMA(3/4)^8/exp(1/2*Pi)*2^(1/2)
Value: 3.6350357053230935306738 6
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

Sequence: A105097
Name: Expansion of Delta(tau)/E_4(tau)^2.

$$\frac{\pi^2}{2304\,\Gamma\left(\frac{3}{4}\right)^8\,e^{-2\,\pi}}$$

Printed: 1/2304*Pi^2/GAMMA(3/4)^8/exp(-2*Pi)
Value: .45112782478732111711320 8
Number of terms: 424
Offset: 1

Sequence: 1, -504, 180252, -56364992, 16415391870, -4574618335008, 1237162549543256, -327377686829760000, 85212608926827807477, -\
2189449200901530694248 0, 55671798626173161050125 32, -\
1403483985988949037403977984

Sequence: A106205
Name: Expansion of (q*j(q))^(1/24) where j(q) is the elliptic modular invariant (A000521).

$$\frac{2^{1/4}\,3^{1/8}}{e^{\frac{\pi}{12}}}$$

Printed: 1/exp(1/12*Pi)*2^(1/4)*3^(1/8)
Value: 1.05002496851452968856025
Number of terms: 426
Offset: 0

Sequence: 1, 31, -2848, 413823, -68767135, 12310047967, -2309368876639, 447436508910495, -88755684988520798, 17924937024841839390, -\
3671642907594608226078, 76072218323412846106 1246, -\
1591057065602479524721 14973

Sequence: A106459
Name: Expansion of f(-x, -x^3) in powers of x where f(,) is Ramanujan's general theta function.

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

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/8*Pi)*2^(1/4)
Value: .95670538873109229271350 0
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, -1, 0, 0
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A106507
Name: G.f.: Product_{k:0} (1-x^(2k-1))/(1-x^(2k)).

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

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

Sequence: A106508
Name: Expansion of psi(x)^4 * chi(-x^2)^2 in powers of x where psi(), chi() are Ramanujan theta functions.

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

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

Sequence: A107033
Name: Expansion of f(x, x) * f(x, -x^2) in powers of x where f(,) is a Ramanujan theta function.

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

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

Sequence: A107034
Name: Expansion of f(-x) * f(-x^4) in powers of x where f() is a Ramanujan theta function.

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

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

Sequence: A107635
Name: McKay-Thompson series of class 32a for the Monster group.

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

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

Sequence: A108091
Name: Coefficients of series whose 8th power is the theta series of E_8 (see A004009).

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

Printed: 1/2*Pi^(1/4)*2^(3/4)*3^(1/8)/GAMMA(3/4)
Value: 1.04806044522244138976806
Number of terms: 426
Offset: 0

Sequence: 1, 30, -2880, 416640, -69178110, 12378401280, -2321610157440, 449733567736320, -89200812128140800, 18013245273252679710, -\
3689479088922151082880, 764375901202388789804160, -
1598627571001270375059916 80, 336996940006899397896184550 40, -
7152050326608893289997995966720,
1526705794390267864554876727856640

Sequence: A108092
Name: Coefficients of series whose 4th power is the theta series of D_4 (see A004011).

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

Printed: 1/2*Pi^(1/4)*2^(1/2)*3^(1/4)/GAMMA(3/4)
Value: 1.01104151441277668232808
Number of terms: 512
Offset: 0

Sequence: 1, 6, -48, 672, -10686, 185472, -3398304, 64606080, -1261584768, 25141699590, -509112525600, 10443131883360, -216500232587520, 4528450460408448, -95438941858567104, 2024550297637849728, -
43190698219545864702, 925997705081213764608, -
19940633776083900614736,
4310913938003717039405 76

Sequence: A108096
Name: Coefficients of square root of theta series of D_4 (see A004011).

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

Printed: 1/2*Pi^(1/2)*3^(1/2)/GAMMA(3/4)^2
Value: 1.02220494386608091986016
Number of terms: 512
Offset: 0

Sequence: 1, 12, -60, 768, -11004, 178200, -3093504, 56265216, -1058194428, 20410970124, -401553531000, 8026398749952, -162541338390528,
3327702330562584, -68761528402925568, 1432192515405350400, -30037109244686774268, 633790586271852392472, -13444940755220756447292,
2865776464822113812129 28

Sequence: A108494
Name: Expansion of f(-q) / f(q) in powers of q where f() is a Ramanujan theta function.

$$\frac{2^{7/8}}{2}$$

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

Sequence: A109146
Name: G.f.: square root of theta series of lattice in A004535.

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

Printed: 3/4*Pi^(7/4)/GAMMA(3/4)^7
Value: 1.3399449992245216404776 1
Number of terms: 512
Offset: 0

Sequence: 1, 0, 126, 1568, 756, -165312, -1227240, 19894464, 414106686, -456317568, -96106099320, -809737207776, 15047550684488, 345938324437440, -\
318788546956992, -91256560218798912, -842108390970746508, 153313999528056756 48, 380895013380314119302, -178390965727200705696

Sequence: A111938
Name: a(n) = n times number of divisors of n of form 4m+1 - n times number of divisors of form 4m+3.

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

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

Sequence: A112142
Name: McKay-Thompson series of class 8B for the Monster group.

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

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

Sequence: A112143
Name: McKay-Thompson series of class 8D for the Monster group.

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

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

Sequence: A112150
Name: McKay-Thompson series of class 16a for the Monster group.

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

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

Sequence: A112160
Name: McKay-Thompson series of class 24E for the Monster group.

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

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

Sequence: A112603
Name: Number of representations of n as the sum of a square and a triangular number.

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

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

Sequence: A112610
Name: Number of representations of n as a sum of two squares and two triangular numbers.

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

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

Sequence: A113277
Name: Expansion of q^(-1/3) * eta(q^2)^5 / eta(q)^2 in powers of q.

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

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, 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, 0, -16, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, -17, 0, 0, 0, 0

Sequence: A114855
Name: Expansion of q^(-1/3) * (eta(q) * eta(q^4))^2 / eta(q^2) in powers of q.

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

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, 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, 0, 16, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, -17, 0, 0, 0, 0

Sequence: A115110
Name: Expansion of q^(-1/24) * eta(q)^3 / eta(q^2) in powers of q.

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

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

Sequence: A115607
Name: Sum of odd divisors of n times (-1)^(n+1).

$$\frac{1}{24\ e^{-\pi}}$$

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

Sequence: A115977
Name: Expansion of elliptic modular function lambda in powers of the nome q.

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

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

Sequence: A117410
Name: Expansion of q^(-5/24) * eta(q^2)^3 / eta(q) in powers of q.

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

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

Sequence: A120030
Name: Expansion of theta_4(q)^2*theta_4(q^2)^4 in powers of q.

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

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

Sequence: A121373
Name: Expansion of f(x) = f(x, -x^2) in powers of x where f(,) is Ramanujan's general theta function.

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

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(-1/24*Pi)*2^(3/4)
Value: 1.0413463245489098337968 8
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, 1,
0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0

Sequence: A121613
Name: Expansion of psi(-x)^4 in powers of x where psi() is a Ramanujan theta

function.

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

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

Sequence: A122163
Name: Expansion of f(-q)^2*P(q) in powers of q.

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

Printed: 3/2/Pi^(1/2)/GAMMA(3/4)^2/exp(-1/6*Pi)
Value: .951359787933865965805101
Number of terms: 63
Offset: 0

Sequence: 1, -26, -25, 74, 49, 122, -146, 0, -194, -218, 121, 0, 0, 314, 507, -362, 386, 0, 0, -458, -482, 0, 0, -554, -289, 0, 626, 650, -674, 698
, 361, 746, 0, 794, -818, -842, 866, 0, -914, 0, -1924, 0, 0, 0, 529, -1082, 0, 0, 1154, 0, 1202, 1226, 625, -1274, 0, 1322, 1346, 0, 0, -1418, 0, -\
1466

Sequence: A122854
Name: Expansion of phi(q)^2*psi(q)^4 in powers of q where phi(),psi() are Ramanujan theta functions.

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

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

Sequence: A122865
Name: Expansion of chi(x) * phi(x^3) * psi(-x^3) in powers of x where chi(), phi(), psi() are Ramanujan theta functions.

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

Printed: 1/6*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/3*Pi)*2^(1/2)*3^(1/4)
Value: 1.0433824427218395374508 0
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

Sequence: A124863
Name: Expansion of 1 / chi(q)^12 in powers of q where chi() is a Ramanujan theta function.

$$\frac{1}{8\ e^{-\frac{\pi}{2}}}$$

Printed: 1/8/exp(-1/2*Pi)
Value: .60130967262066895693 4129
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

Sequence: A124972
Name: Expansion of Fricke's 32*tau_4(z) in powers of q = exp(2*Pi*i*z).

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

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

Sequence: A128692
Name: Expansion of (theta_4(q) / theta_3(q))^4 in powers of q.

$$\frac{1}{2}$$

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

Sequence: A128712
Name: Expansion of q^(-1/8)* eta(q)^5* eta(q^2)^3/ eta(q^4)^2 in powers of q.

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

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

Sequence: A128713
Name: Expansion of q^(-3/8)* eta(q)^7* eta(q^4)^2/ eta(q^2)^3 in powers of q.

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

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

Sequence: A129588
Name: Expansion of q^-1 * theta_2(q)^4 in powers of q^2.

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

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

Sequence: A131018
Name: Expansion of (q^-3) * psi(q) / psi(q^25) in powers of q where psi() is a Ramanujan theta function.

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

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

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, -1, -1, 0, 0, 0, 0, -1, 0, 0, 0, -1, 1, 0, 0, 0, -1, 0, 0, 0,
0, 1, -1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1, -1, 0, 0, 0, 1, 1, 0, 0, 0, -1, 1, 0, 0, 0, -2, -2, 0, 0, 0, -1, -2, 0

Sequence: A132136
Name: Expansion of -lambda(t + 1) in powers of the nome q = exp(Pi i t).

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

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

Sequence: A132322
Name: McKay-Thompson series of class 46A for the Monster group with a(0) = -1.

$$\frac{2^{3/8}}{e^{\frac{\pi}{12}}}$$

Printed: 1/exp(1/12*Pi)*2^(3/8)
Value: .998132550768018763137000
Number of terms: 512
Offset: -1

Sequence: 1, -1, 0, -1, 1, -1, 1, -1, 2, -2, 2, -2, 3, -3, 3, -4, 5, -5, 5, -6, 7, -8, 8, -10, 12, -12, 13, -15, 17, -18, 19, -22, 25, -27, 28, -32
, 36, -38, 41, -46, 51, -54, 58, -64, 71, -76, 81, -89, 99, -105, 112, -123, 134, -

143, 153, -167, 182, -194, 207, -225, 244, -260, 277, -301, 325, -\
346, 369, -398, 429, -458

Sequence: A132969
Name: Expansion of phi(q) * chi(q) in powers of q where phi(), chi() are Ramanujan theta functions.

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

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

Sequence: A132970
Name: Expansion of phi(-x) * chi(-x) in powers of x where phi(), chi() are Ramanujan theta functions.

$$\frac{\pi^{1/4}\,2^{7/8}}{2\,\Gamma\left(\frac{3}{4}\right)\,e^{\frac{\pi}{24}}}$$

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

Sequence: A132977
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.

$$\frac{2\sqrt{3}}{9\,e^{-\frac{\pi}{3}}}$$

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

Sequence: A133089
Name: Expansion of f(x)^3 in powers of x where f() is a Ramanujan theta function.

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

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, 0, 0, 25, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 27, 0, 0, 0, 0, 0, 0, 0

Sequence: A134343
Name: Expansion of psi(-x)^2 in powers of x where psi() is a Ramanujan theta function.

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

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

Sequence: A134414
Name: Expansion of eta(q)^2 / (eta(q^2) * eta(q^4)^6) in powers of q.

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

Printed: 32/Pi^(5/4)*GAMMA(3/4)^5/exp(Pi)
Value: .91359825423545076442454
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

Sequence: A134415
Name: Expansion of phi(x) / f(-x)^6 in powers of x where phi(), f() are Ramanujan theta functions..

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

Printed: 4/Pi^(5/4)*GAMMA(3/4)^5/exp(1/4*Pi)*2^(1/4)
Value: 1.4328642208860395286813
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

Sequence: A134416
Name: Expansion of eta(q^4)^2 / (eta(q^2) * eta(q)^6) in powers of q.

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

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

Sequence: A134461
Name: Expansion of (phi(x) * psi(-x))^4 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A135828
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.

$$\frac{3\,\pi^4\,\sqrt{2}}{512\,\Gamma\left(\frac{3}{4}\right)^{16}\,e^{-\frac{3\,\pi}{2}}}$$

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

Sequence: A137828
Name: Expansion of phi(x) / f(-x^4)^2 in powers of x where phi(), f() are Ramanujan theta functions.

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

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

Sequence: A137829
Name: Expansion of psi(q^2) / f(-q)^2 in powers of q where psi(), f() are Ramanujan theta functions.

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

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

Sequence: A137830
Name: Expansion of phi(-x) / f(-x^4)^2 in powers of x where phi(), f() are

Ramanujan theta functions.

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

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

Sequence: A138501
Name: Expansion of (eta(q)^2 * eta(q^4)^4 / eta(q^2)^3)^2 in powers of q.

$$\frac{\pi^{3/2}\sqrt{2}}{64\,\Gamma\left(\frac{3}{4}\right)^6\,e^{-\pi}}$$

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

Sequence: A138502
Name: Expansion of q^(-1/2) * (eta(q)^4 * eta(q^4)^2 / eta(q^2)^3)^2 in powers of q.

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

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

Sequence: A138504
Name: Expansion of (eta(q^2)^9 / (eta(q)^2 * eta(q^4)^4))^2 in powers of q.

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

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

Sequence: A138514
Name: Expansion of q^(-1/8) * eta(q^2)^4 / (eta(q) * eta(q^4)) in powers of q.

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

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

Sequence: A138515
Name: Expansion of q^(-1/4) * eta(q^2)^8 / (eta(q) * eta(q^4))^2 in powers of q.

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

Printed: 1/4*2^(1/2)*Pi/GAMMA(3/4)^4/exp(-1/4*Pi)
Value: 1.08034828221483944095134
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

Sequence: A138559
Name: Expansion of phi(x) * chi(-x) in powers of x where phi(), chi() are Ramanujan theta functions.

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

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

Sequence: A139093
Name: Expansion of phi(q) * phi(-q^2) in powers of q where phi() is a Ramanujan theta function.

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

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

Sequence: A139582
Name: Twice partition numbers.

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

Printed: 2*2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)
Value: 2.0944189400920842604396 0
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

Sequence: A139820
Name: Expansion of (phi(-q) / phi(q))^2 in powers of q where phi() is a Ramanujan theta function.

$$\frac{\sqrt{2}}{2}$$

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

Sequence: A143161
Name: Expansion of chi(-x)^2 * chi(-x^2) in powers of x where chi() is a Ramanujan theta function.

$$\frac{2^{5/8}}{e^{\frac{\pi}{6}}}$$

Printed: 1/exp(1/6*Pi)*2^(5/8)
Value: .91358232414156226737702 5
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

Sequence: A143278
Name: Convolution of A006352 and A010815.

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

Printed: 3/2/Pi^(3/4)/GAMMA(3/4)/exp(-1/12*Pi)*2^(1/2)
Value: .95314305193459408453780 0
Number of terms: 91
Offset: 0

Sequence: 1, -25, -49, 0, 0, 121, 0, 169, 0, 0, 0, 0, -289, 0, 0, -361, 0, 0, 0, 0, 0, 0, 529, 0, 0, 0, 625, 0, 0, 0, 0, 0, 0, 0, 0, -841, 0, 0, 0,
0, -961, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1225, 0, 0, 0, 0, 0, 1369, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -1681, 0, 0, 0, 0, 0, 0, -1849, 0, 0, 0, 0, 0, 0
, 0, 0, 0, 0, 0, 0

Sequence: A143336
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)).

$$\frac{2}{\pi}$$

Printed: 2/Pi
Value: .63661977236758134307553 6
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

Sequence: A143337
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)).

$$\frac{6}{\pi}$$

Printed: 6/Pi
Value: 1.90985931710274402922661
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

Sequence: A143377
Name: Expansion of q^(-1/6) * eta(q)^2 * eta(q^4) / eta(q^2) in powers of q.

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

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

Sequence: A143378
Name: Expansion of q^(-1/24) * eta(q^2)^5 / (eta(q) * eta(q^4)^2) in powers of q.

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

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/24*Pi)*2^(5/8)
Value: 1.03745701532429923841149
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

Sequence: A143379
Name: Expansion of q^(-7/24) * eta(q) * eta(q^4)^2 / eta(q^2) in powers of q.

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

Printed: 1/4*2^(3/8)*Pi^(1/2)/GAMMA(3/4)^2/exp(-7/24*Pi)
Value: .95670205236023273054389 2
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

Sequence: A143380
Name: Expansion of q^(-1/6) * eta(q^2)^5 / (eta(q)^2 * eta(q^4)) in powers of q.

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

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/6*Pi)*2^(1/8)
Value: 1.08643102242996087191490
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

Sequence: A143894
Name: Expansion of (chi(q)^5 * chi(-q))^2 in powers of q where chi() is a Ramanujan theta function.

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

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

Sequence: A143895
Name: Expansion of (chi(q)^4 / chi(-q))^2 in powers of q where chi() is a Ramanujan theta function.

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

Printed: 2/exp(1/4*Pi)*2^(3/4)
Value: 1.5335869488636653125462 8
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

Sequence: A144614
Name: Sum of divisors of 3*n + 1.

$$\frac{\pi \sqrt{2}\ 3^{3/4}}{36\ \Gamma\left(\frac{3}{4}\right)^4\ e^{-\frac{2\pi}{3}}}$$

Printed: 1/36*Pi/GAMMA(3/4)^4/exp(-2/3*Pi)*2^(1/2)*3^(3/4)
Value: 1.01310011525519072945215
Number of terms: 512
Offset: 0

Sequence: 1, 7, 8, 18, 14, 31, 20, 36, 31, 56, 32, 54, 38, 90, 44, 72, 57, 98, 72, 90, 62, 127, 68, 144, 74, 140, 80, 126, 108, 180, 112, 144, 98,
217, 104, 162, 110, 248, 144, 180, 133, 224, 128, 252, 160, 270, 140, 216, 180, 266, 152, 288, 158, 378, 164, 252, 183, 308

Sequence: A145094
Name: Coefficients in expansion of Eisenstein series q*E'_4.

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

Printed: 3/4*Pi/GAMMA(3/4)^8/exp(-2*Pi)
Value: 248.138115659815527188464
Number of terms: 512
Offset: 1

Sequence: 240, 4320, 20160, 70080, 151200, 362880, 577920, 1123200, 1635120, 2721600, 3516480, 5886720, 6857760, 10402560, 12700800, 17975040,
20049120, 29432160, 31281600, 44150400, 48545280, 63296640, 67167360, 94348800, 94506000, 123439680, 132451200

Sequence: A145095
Name: Coefficients in expansion of Eisenstein series -q*E'_6.

$$\frac{9\ \pi^4}{32\ \Gamma\left(\frac{3}{4}\right)^{16}\ e^{-2\pi}}$$

Printed: 9/32*Pi^4/GAMMA(3/4)^16/exp(-2*Pi)
Value: 567.419167003923757316675
Number of terms: 512
Offset: 1

Sequence: 504, 33264, 368928, 2130912, 7877520, 24349248, 59298624, 136382400, 268953048, 519916320, 892872288, 1559827584, 2432718288,

3913709184,
5766344640, 8728481664, 12165343344, 17750901168, 23711133600,
33306154560, 43406592768, 58929571008

Sequence: A145155
Name: Coefficients in expansion of Delta'(q).

$$\frac{3\,\pi^5}{4096\,\Gamma\left(\frac{3}{4}\right)^{24}\,e^{-2\,\pi}}$$

Printed: 3/4096*Pi^5/GAMMA(3/4)^24/exp(-2*Pi)
Value: .912961127489193082786296
Number of terms: 512
Offset: 0

Sequence: 1, -48, 756, -5888, 24150, -36288, -117208, 675840, -1022787, -
1159200, 5880732, -4451328, -7510594, 5625984, 18257400, 15794176, -\
117400878, 49093776, 202566980, -142195200, -88609248, -282275136,
428795256, 510935040, -637480625, 360508512, -1978535160

Sequence: A153728
Name: Expansion of q^(-1/3) * (eta(q)^8 + 8 * eta(q^4)^8) in powers of q^2.

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

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

Sequence: A153729
Name: Expansion of q^(-1/3) * (eta(q)^8 + 32 * eta(q^4)^8) in powers of q.

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

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

Sequence: A159814
Name: Expansion of eta(z)^2*eta(4*z)^6/eta(2*z).

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

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

Sequence: A159819
Name: Coefficients of L-series for elliptic curve \48a4\: y^2 = x^3 + x^2 + x.

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

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

Sequence: A160832
Name: Expansion of eta(q)*eta(q^2)*eta(q^4), where eta(q) = Product((1-q^m), m=1..oo).

$$\frac{2^{1/4}\,\pi^{3/4}}{4\,\Gamma\left(\frac{3}{4}\right)^3\,e^{-\frac{7\,\pi}{24}}}$$

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

Sequence: A161361
Name: Convolution square root of A000521.

$$\frac{24\,\sqrt{3}}{e^{\pi}}$$

Printed: 24/exp(Pi)*3^(1/2)
Value: 1.79636884864757234281434
Number of terms: 428
Offset: 0

Sequence: 1, 372, 29250, -134120, 54261375, -6139293372, 854279148734, -128813964933000, 20657907916144515, -3469030105750871000, 603760629237519966018, -108124880417607682194048, 19820541224206810447813500

Sequence: A161395
Name: a(n) = (n+1)*A000521(n)/24.

$$\frac{72}{e^{2\,\pi}}$$

Printed: 72/exp(2*Pi)
Value: .134455876682975194638976

Number of terms: 512
Offset: -1

Sequence: 0, 31, 16407, 2686720, 144049995, 4217886720, 83300660150, 1240173462528, 14885664690645, 150559082496000, 1323516762410175, 10343388600230400, 73105955749759647, 473586598163128320, 2842005898548916470

Sequence: A161969
Name: Expansion of f(q)^8 in powers of q where f() is a Ramanujan theta function.

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

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

Sequence: A164271
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.

$$\frac{\sqrt{3}}{18\,e^{-\frac{2\,\pi}{3}}}$$

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

Sequence: A169976
Name: Expansion of (psi(x)^24 + psi(-x)^24) / 2 in powers of x^2 where psi()

is a Ramanujan theta function.

$$\frac{9\,\pi^6}{524288\,\Gamma\left(\frac{3}{4}\right)^{24}\,e^{-3\,\pi}}$$

Printed: 9/524288*Pi^6/GAMMA(3/4)^24/exp(-3*Pi)
Value: 1.55557085597088632106003
Number of terms: 512
Offset: 0

Sequence: 1, 276, 11178, 177400, 1612875, 10131156, 48897678, 193740408, 658523925, 1980143600, 5386270686, 13477895856, 31425764410, 68969957700,
143635113000, 285718115112, 545796171084, 1005775268868, 1794713445350, 3111031518000

Sequence: A173763
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.

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

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

Sequence: A178333
Name: Characteristic function of mountain numbers.

$$\frac{1}{e^{\pi}}$$

Printed: 1/exp(Pi)
Value: .43213918263772249774417 9e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, 0

Sequence: A178737
Name: Coefficients in expansion of Jacobi theta_1'''(0).

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

Printed: 3/4*2^(1/2)/Pi^(1/4)/GAMMA(3/4)^3/exp(-1/4*Pi)
Value: .94957986029538676484940 8
Number of terms: 512
Offset: 0

Sequence: 1, -27, 0, 125, 0, 0, -343, 0, 0, 0, 729, 0, 0, 0, 0, -1331, 0, 0, 0, 0, 0, 2197, 0, 0, 0, 0, 0, 0, -3375, 0, 0, 0, 0, 0, 0, 0, 4913, 0, 0, 0, 0, 0, 0, 0, 0, -6859, 0, 0, 0, 0, 0, 0, 0, 0, 9261, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, -12167, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 15625, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A178902
Name: Expansion of q^(-1/24) * eta(q^2)^13 / (eta(q)^5 * eta(q^4)^5) in powers of q.

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

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3/exp(-1/24*Pi)*2^(3/4)
Value: 1.2291433445012703838522 2
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, -47, 0, 0, 0, 0, 0, 0

Sequence: A182818

Name: G.f.: exp(Sum_{n:=1} sigma(2n)*x^n/n).

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

Printed: 2^(5/8)/Pi^(1/2)*GAMMA(3/4)^2/exp(1/24*Pi)
Value: 1.1462712164811822918751 4
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

Sequence: A182820
Name: G.f.: exp(Sum_{n:=1} sigma(4n)*x^n/n).

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

Printed: 2/Pi*GAMMA(3/4)^4/exp(1/24*Pi)*2^(1/8)
Value: 1.3733936643854165822401 7
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

Sequence: A185012
Name: Characteristic function of two.

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

Printed: 1/exp(2*Pi)
Value: .1867442731707988814430 22e-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, 0, 0, 0, 0

Sequence: A185013
Name: Characteristic function of {3}.

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

Printed: 1/exp(3*Pi)
Value: .80699517570304599239206 0e-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, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A185014
Name: Characteristic function of four.

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

Printed: 1/exp(4*Pi)
Value: .34873423562089954917751 8e-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, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A185015
Name: Characteristic function of 5.

$$\frac{1}{e^{5\,\pi}}$$

Printed: 1/exp(5*Pi)
Value: .15070172753900646107481 4e-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, 0, 0, 0, 0, 0, 0

Sequence: A185016
Name: Characteristic function of 6.

$$\frac{1}{e^{6\,\pi}}$$

Printed: 1/exp(6*Pi)
Value: .65124121360799007282125 6e-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, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A185017
Name: Characteristic function of 7.

$$\frac{1}{e^{7\,\pi}}$$

Printed: 1/exp(7*Pi)
Value: .28142684574855527210911 8e-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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0

Sequence: A185152
Name: Expansion of (q/2) * phi(q)^3 (d/dq) phi(q) in powers of q.

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

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

Sequence: A185653
Name: Expansion of exp(Sum_{n:=1} -3*sigma(2n)*x^n/n) in powers of x.

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

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

Sequence: A186690
Name: Expansion of - (1/8) theta_3''(0, q) / theta_3(0, q) in powers of q.

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

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

Sequence: A187053
Name: Expansion of (psi(x^2) / psi(x))^3 in powers of x where psi() is a Ramanujan theta function.

$$\frac{2^{1/8}}{4\, e^{-\frac{3\pi}{8}}}$$

Printed: 1/4/exp(-3/8*Pi)*2^(1/8)
Value: .88554348204458867550498 8
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

Sequence: A187076
Name: Coefficients of L-series for elliptic curve \144a1\: y^2 = x^3 - 1.

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

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

Sequence: A187149
Name: Expansion of psi(-x)^4 * chi(-x^2)^2 in powers of x where psi(), chi() are Ramanujan theta functions.

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

Printed: 1/8*Pi/GAMMA(3/4)^4/exp(-1/3*Pi)*2^(3/4)
Value: .83462102040484969754167 0
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

Sequence: A187150
Name: Expansion of psi(-x)^4 / chi(-x)^2 in powers of x where psi(), chi() are Ramanujan theta functions.

$$\frac{\pi\, 2^{3/4}}{16\,\Gamma\left(\frac{3}{4}\right)^4\, e^{-\frac{7\pi}{12}}}$$

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

Sequence: A189925
Name: Expansion of theta_4/theta_3 in powers of q.

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

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

Sequence: A192096
Name: Maximum number of tatami tilings of any m X m square region with exactly n horizontal dimers and m monomers.

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

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

Sequence: A195861
Name: Expansion of (psi(x) / phi(x))^5 in powers of x where phi(), psi() are Ramanujan theta functions.

$$\frac{2^{7/8}}{16\, e^{-\frac{5\pi}{8}}}$$

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

Sequence: A204342
Name: a(n) = (-1)^n * Sum_{2*m + 1 | 2*n + 1} (-1)^m (2*m + 1)^4.

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

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

Sequence: A204372
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.

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

Printed: 9/4*Pi^(5/2)/GAMMA(3/4)^10
Value: 5.15488813285755935764361
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

Sequence: A204386
Name: Expansion of (theta_2(q)^8 + 4 * theta_2(q^2)^8) / 256 in powers of q^2.

$$\frac{9\,\pi^{2}}{256\,\Gamma\left(\frac{3}{4}\right)^{8}\,e^{-\pi}}$$

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

Sequence: A207541
Name: Expansion of phi(q)^3 * phi(-q) in powers of q where phi() is a Ramanujan theta function.

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

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

Sequence: A208451
Name: Expansion of phi(q) * phi(-q)^3 in powers of q where phi() is a Ramanujan theta function.

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

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

Sequence: A208845
Name: Expansion of f(x)^2 in powers of x where f() is a Ramanujan theta function.

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

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

Sequence: A209676
Name: Expansion of f(x)^12 in powers of x where f() is a Ramanujan theta function.

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

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

Sequence: A209941
Name: Expansion of f(x)^6 in powers of x where f() is a Ramanujan theta function.

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

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

Sequence: A209942
Name: Expansion of (psi(-x) * phi(x)^4)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A212885
Name: Expansion of phi(q) * phi(-q)^2 in powers of q where phi() is a Ramanujan theta function.

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

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

Sequence: A213022
Name: Expansion of phi(x)^2 * psi(x) in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A213384
Name: Expansion of phi(-q)^3 in powers of q where phi() is a Ramanujan theta function.

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

Printed: 1/2*Pi^(3/4)/GAMMA(3/4)^3*2^(1/4)
Value: .762497670698561548055225
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

Sequence: A213419
Name: Expansion of q * chi(-q) / chi(-q^25) in powers of q where chi() is a Ramanujan theta function.

$$\frac{2^{3/8}}{e^{\frac{\pi}{12}}}$$

Printed: 1/exp(1/12*Pi)*2^(3/8)
Value: .998132550768018763137000
Number of terms: 512
Offset: 1

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, -11, 11, -14, 15, -16, 17, -19, 22, -23, 24, -27,
31, -32, 34, -38, 42, -44, 47, -52, 57, -61, 64, -70, 78, -82, 87, -96, 103, -110,
117, -127, 138, -146, 155, -168, 182

Sequence: A213598
Name: Number of partitions of n in which no parts are multiples of 49.

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

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

Sequence: A213791
Name: Expansion of psi(-x)^6 in powers of x where psi() is a Ramanujan theta function.

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

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

Sequence: A215472
Name: Expansion of (psi(x) * phi(-x)^4)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

Printed: 1/16*Pi^(5/2)/GAMMA(3/4)^10/exp(-1/4*Pi)*2^(3/4)
Value: .52818167495093062879028 2
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

Sequence: A215596
Name: Expansion of psi(-x) * f(-x^4)^3 in powers of x where psi(), f() are Ramanujan theta functions.

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

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

Sequence: A215597
Name: Expansion of psi(-x) * f(-x)^3 in powers of x where psi(), f() are Ramanujan theta functions.

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

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

Sequence: A215598
Name: Expansion of phi(-x^2) * f(x)^3 in powers of x where phi(), f() are Ramanujan theta functions.

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

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

Sequence: A215600
Name: Expansion of psi(-x)^2 * f(-x)^6 in powers of x where psi(), f() are Ramanujan theta functions.

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

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

Sequence: A215601
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.

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

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

Sequence: A216711
Name: Expansion of q * (phi(q) * psi(-q))^8 in powers of q where phi(), psi() are Ramanujan theta functions.

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

Printed: 1/64*Pi^4/GAMMA(3/4)^16/exp(-Pi)
Value: 1.3622447502336276207047 7
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

Sequence: A224916
Name: Expansion of chi(x)^2 / chi(-x^2)^6 in powers of x where chi() is a Ramanujan theta function.

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

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

Sequence: A225543
Name: G.f.: Product_{k:0} (1 - x^k)^4 * (1 - (-x)^k)^8.

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

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

Sequence: A225564
Name: Expansion of psi(-x)^2 * f(-x^4)^6 in powers of x where psi(), f() are Ramanujan theta functions.

$$\frac{\pi^2\, 2^{1/4}}{128\,\Gamma\left(\frac{3}{4}\right)^8 e^{-\frac{5\pi}{4}}}$$

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

Sequence: A225853
Name: Expansion of phi(x) / f(-x^4) in powers of x where phi(), f() are Ramanujan theta functions.

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

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

Sequence: A225872
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.

$$\frac{\pi^3 \sqrt{2}}{512\ \Gamma\left(\frac{3}{4}\right)^{12}\ e^{-\frac{\pi}{2}}}$$

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

Sequence: A225912
Name: Expansion of q * (phi(-q^2) * psi(-q)^2)^4 in powers of q where phi(), psi() are Ramanujan theta functions.

$$\frac{\pi^3 \sqrt{2}}{128\ \Gamma\left(\frac{3}{4}\right)^{12}}$$

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

Sequence: A225915
Name: Expansion of (k(q) / 4)^4 in powers of q where k() is a Jacobi elliptic function.

$$\frac{1}{1024\, e^{-2\,\pi}}$$

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

Sequence: A225923
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.

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

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

Sequence: A226086
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.

$$\frac{27\,\pi^7}{1024\,\Gamma\left(\frac{3}{4}\right)^{28}\,e^{-\pi}}$$

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

Sequence: A226132
Name: Expansion of - c(-q) * c(q^2) / 9 in powers of q where c() is a cubic AGM theta function.

$$\frac{\pi \sqrt{2}\ 3^{3/4}}{108\ \Gamma\left(\frac{3}{4}\right)^4\ e^{-\pi}}$$

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

Sequence: A226139
Name: Expansion of b(-q) * b(q^2) in powers of q where b() is a cubic AGM theta function.

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

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

Sequence: A226252
Name: Number of ways of writing n as the sum of 7 triangular numbers.

$$\frac{\pi^{7/4}\, 2^{5/8}}{32\, \Gamma\left(\frac{3}{4}\right)^7\, e^{-\frac{7\pi}{8}}}$$

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

Sequence: A226253
Name: Number of ways of writing n as the sum of 9 triangular numbers.

$$\frac{\pi^{9/4}\, 2^{3/8}}{64\, \Gamma\left(\frac{3}{4}\right)^9\, e^{-\frac{9\pi}{8}}}$$

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

Sequence: A226254
Name: Number of ways of writing n as the sum of 10 triangular numbers from A000217.

$$\frac{\pi^{5/2}\, 2^{3/4}}{128\, \Gamma\left(\frac{3}{4}\right)^{10}\, e^{-\frac{5\pi}{4}}}$$

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

Sequence: A226255
Name: Number of ways of writing n as the sum of 11 triangular numbers.

$$\frac{\pi^{11/4}\, 2^{1/8}}{128\, \Gamma\left(\frac{3}{4}\right)^{11}\, e^{-\frac{11\pi}{8}}}$$

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

Sequence: A227033
Name: Expansion of (phi(x) / f(-x^4))^2 in powers of x where phi(), f() are Ramanujan theta functions.

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

Printed: 2/exp(1/3*Pi)*2^(3/4)
Value: 1.1803488315914020261662 1
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

Sequence: A227175
Name: Expansion of (phi(x) / f(-x^4))^4 in powers of x where phi(), f() are Ramanujan theta functions.

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

Printed: 8/exp(2/3*Pi)*2^(1/2)
Value: 1.3932233642391879418223 7
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

Sequence: A227317
Name: Expansion of psi(x)^6 * phi(-x)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

Printed: 1/32*Pi^2/GAMMA(3/4)^8/exp(-3/4*Pi)*2^(3/4)
Value: 1.0763020447275137115 92
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

Sequence: A227695
Name: Expansion of psi(x)^2 * phi(-x)^6 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A228745
Name: Expansion of (phi(q)^4 + 7 * phi(-q)^4) / 8 in powers of q where phi() is a Ramanujan theta function.

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

Printed: 9/16*Pi/GAMMA(3/4)^4
Value: .78367721044819323329113 5
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

Sequence: A228746
Name: Expansion of 8 * phi(q)^4 - 7 * phi(-q)^4 in powers of q where phi() is a Ramanujan theta function.

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

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

Sequence: A228831

Name: Expansion of psi(x)^2 * phi(-x^2)^4 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A228834
Name: Expansion of phi(-x^2)^2 * psi(-x)^4 in powers of x where phi(), psi() are Ramanujan theta functions.

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

Printed: 1/16*Pi^(3/2)/GAMMA(3/4)^6/exp(-1/2*Pi)*2^(3/4)
Value: .83150090676002262902679 4
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

Sequence: A229894
Name: Expansion of q^2 * eta(q) / eta(q^49) in powers of q.

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

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

Sequence: A230057
Name: Expansion of (3 * phi(q^3)^4 - phi(q)^4) / 2 in powers of q where phi () is a Ramanujan theta function.

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

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

Sequence: A230278
Name: Expansion of q^(-2/3) * eta(q^2)^10 / eta(q)^4 in powers of q.

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

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

Sequence: A230280
Name: Expansion of q^(-1/3) * eta(q)^4 * eta(q^2)^2 in powers of q.

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

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

Sequence: A230442
Name: Expansion of q^(-1/6) * eta(q)^2 * eta(q^2) in powers of q.

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

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

Sequence: A232166
Name: Expansion of phi(x) / psi(x^2)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A232506
Name: Expansion of (eta(q) * eta(q^23))^2 in powers of q.

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

Printed: 1/2*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/6*Pi)
Value: .996261640231258979442900
Number of terms: 512
Offset: 2

Sequence: 1, -2, -1, 2, 1, 2, -2, 0, -2, -2, 1, 0, 0, 2, 3, -2, 2, 0, 0, -2, -2, 0, 0, -4, 3, 2, -2, 0, -6, 6, 1, 6, 4, 0, -2, -2, -2, -6, 2, -4, -\
4, 0, 4, 4, 1, -2, 3, 4, 3, -6, -3, 4, -1, -4, -2, 4, -3, 4, 4, -8, -3, 4, -2, 6, 2, 2, -2, -2, 4, 2, -4, -4, 2, -2, 2, -8

Sequence: A239052
Name: Sum of divisors of 4*n-2.

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

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

Sequence: A239053
Name: Sum of divisors of 4*n-1.

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

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

Sequence: A239705
Name: Number of bases b for which the base-b alternate digital sum of n is -b.

$$\frac{1}{e^{18\,\pi}}$$

Printed: 1/exp(18*Pi)
Value: .276201244352235315487595e-24
Number of terms: 512
Offset: 1

Sequence: 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, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 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, 0, 0, 0,
0, 0, 0, 0

Sequence: A243763
Name: Expansion of q * phi(q)^3 * psi(q^2)^4 in powers of q where phi(), psi() are Ramanujan theta functions.

$$\frac{\pi^{7/4}}{32\,\Gamma\left(\frac{3}{4}\right)^7 e^{-\pi}}$$

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

Sequence: A244276
Name: Expansion of q^(-1/4) * eta(q)^8 * eta(q^4)^2 / eta(q^2)^5 in powers of q.

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

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

Sequence: A245643
Name: Expansion of eta(q)^6 * eta(q^2) / eta(q^4)^2 in powers of q.

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

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

Sequence: A246584
Name: Number of overcubic partitions of n.

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

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

Sequence: A246953
Name: Expansion of phi(-x) * psi(x^2)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A246954
Name: Expansion of phi(-x) * psi(-x)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A253183
Name: Expansion of (q^3 * psi(q) * psi(q^23)^2 in powers of q where psi() is a Ramanujan theta function.

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

Printed: 1/8*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/2*Pi)*2^(1/2)
Value: 1.00373838585491969959590
Number of terms: 512
Offset: 6

Sequence: 1, 2, 1, 2, 2, 0, 3, 2, 0, 2, 2, 2, 1, 2, 0, 2, 4, 0, 2, 0, 1, 4, 2, 2, 6, 4, 4, 6, 2, 8, 5, 4, 4, 4, 6, 2, 8, 2, 6, 10, 0, 4, 3, 4, 8, 6
, 5, 6, 7, 4, 6, 8, 7, 4, 8, 6, 5, 8, 3, 10, 6, 8, 8, 0, 4, 8, 9, 6, 6, 12, 8, 8, 11, 8, 10, 8, 9, 4, 14, 12, 10, 12, 8, 8

Sequence: A253185
Name: Expansion of (phi(-q) * phi(-q^23))^2 in powers of q where phi() is a Ramanujan theta function.

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

Printed: 1/2*Pi^(1/2)*2^(3/4)/GAMMA(3/4)^2
Value: .99254417849105741947700 5
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, -4, 16, -28, 8, -16, 32, -8, 0, -16, 20, -32, 8, 0, 36, -8, 0,
-16, 40, -24, 0, -32, 0, -8, 4, -16, 64, -36, 28, -32, 40, -8, 16, -32, 32, -32, 8, -48, 32, -8, 16, -64, 52, -16, 32, 0

Sequence: A254525
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.

$$\frac{\sqrt{2}\;3^{3/4}}{2\,e^{\frac{\pi}{6}}}$$

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

Sequence: A255252
Name: Expansion of psi(x) * psi(-x)^2 in powers of x where psi() is a Ramanujan theta function.

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

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

Sequence: A255257
Name: Expansion of psi(x) * phi(-x^2)^2 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A255318
Name: Expansion of psi(x^3) * f(x^2, x^4) in powers of x where psi(), f() are Ramanujan theta functions.

$$\frac{2^{7/8}\sqrt{\pi}\ 3^{1/4}}{12\ \Gamma\left(\frac{3}{4}\right)^2\ e^{-\frac{11\pi}{24}}}$$

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

Sequence: A256538
Name: Expansion of eta(q) * eta(q^47) in powers of q.

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

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

Sequence: A256552
Name: Expansion of the unique weight 11/2 Gamma1(4) cusp form in powers of q.

$$\frac{\pi^{11/4}}{64\ \Gamma\left(\frac{3}{4}\right)^{11}\ e^{-\pi}}$$

Printed: 1/64*Pi^(11/4)/GAMMA(3/4)^11/exp(-Pi)
Value: .89998812568492783412126 4

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

Sequence: A258747
Name: Expansion of chi(-x) * f(x^3) * f(-x^6) in powers of x where chi(), f() are Ramanujan theta functions.

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

Printed: 1/6*Pi^(1/2)/GAMMA(3/4)^2/exp(-1/3*Pi)*2^(3/8)*3^(1/4)
Value: .95678591858469314997109 5
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

Sequence: A258771
Name: Expansion of psi(-x) * phi(x)^4 in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A258779

Name: Expansion of (f(-x) * phi(x))^2 in powers of x where phi(), f() are Ramanujan theta functions.

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

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

Sequence: A258831
Name: Expansion of (psi(-x^3) * f(-x, x^2))^2 in powers of x where psi(), f(,) are Ramanujan theta functions.

$$\frac{\pi\sqrt{3}}{36\,\Gamma\left(\frac{3}{4}\right)^4 e^{-\frac{5\pi}{6}}}$$

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

Sequence: A258832
Name: Expansion of psi(-x^3) * f(-x, x^2) in powers of x where psi(), f(,) are Ramanujan theta functions.

$$\frac{\sqrt{\pi}\; 3^{1/4}}{6\,\Gamma\left(\frac{3}{4}\right)^2 e^{-\frac{5\pi}{12}}}$$

Printed: 1/6*Pi^(1/2)/GAMMA(3/4)^2/exp(-5/12*Pi)*3^(1/4)
Value: .95857601061952021094022O

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

Sequence: A260313
Name: Expansion of phi(x)^2 / psi(x) in powers of x where phi(), psi() are Ramanujan theta functions.

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

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

Sequence: A260314
Name: Expansion of phi(x)^2 / phi(-x^2) in powers of x where phi() is a Ramanujan theta function.

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

Printed: Pi^(1/4)*2^(1/8)/GAMMA(3/4)
Value: 1.1847655626648317705807 2
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

Sequence: A261325
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.

$$\frac{\sqrt{2}\ 3^{1/4}}{6\ e^{-\frac{\pi}{3}}}$$

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

Sequence: A261444
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.

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

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

Sequence: A263526
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.

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

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

Sequence: A266575
Name: Expansion of q * f(-q^4)^6 / phi(-q) in powers of q where phi(), f() are Ramanujan theta functions.

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

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

Sequence: A273225
Name: Number of bipartitions of n wherein odd parts are distinct (and even parts are unrestricted).

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

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

Sequence: A273226
Name: G.f. is the cube of the g.f. of A006950.

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

Printed: 4/Pi^(3/4)*GAMMA(3/4)^3/exp(3/8*Pi)*2^(1/4)
Value: 1.41997989895305571056 06
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

Sequence: A273228
Name: G.f. is the fourth power of the g.f. of A006950.

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

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

Sequence: A274327
Name: Expansion of Product_{n:=1} (1 - x^(4*n))/(1 - x^n)^4 in powers of x.

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

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

Sequence: A274621
Name: Coefficients in the expansion Product_{ n:=1 } (1-q^(2n-1))^2/(1-q^(2n))^2.

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

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

Sequence: A274719
Name: Expansion of Product_{k := 1} (1-q^(2*k)).

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

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, 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, -1, 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, 0, 0, 0, 1

Sequence: A276285
Name: Number of ways of writing n as a sum of 13 squares.

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

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

Sequence: A276286
Name: Number of ways of writing n as a sum of 14 squares.

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

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

Sequence: A276287
Name: Number of ways of writing n as a sum of 15 squares.

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

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

Sequence: A276306
Name: Number of pairs of integers (k, m) with k < m < n such that (k, m, n) is an abc-triple.

$$\frac{1}{e^{12\,\pi}}$$

Printed: 1/exp(12*Pi)
Value: .42411511830160775440175 6e-16
Number of terms: 88
Offset: 3

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, 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, 0, 0, 1, 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

Sequence: A277076
Name: Expansion of f(-x)^8 * Q(x) in powers of x where f() is a Ramanujan theta function and Q() is a Ramanujan Lambert series.

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

Printed: 3/64*Pi^4/GAMMA(3/4)^16/exp(-2/3*Pi)
Value: 1.43411599524536164055434
Number of terms: 512
Offset: 0

Sequence: 1, 232, 260, -5760, 6890, 7744, 33176, -115200, 14035, 60320, 1508, 449280, -380770, -599040, 7640, 599040, -755943, 1598480, 1843200, -\
2620800, -988858, -2995712, 3857360, -1497600, -2004730, 7696832, 2699684, 1670400, -7188480, -11980800, 1791400, 10736640

Sequence: A279328
Name: Expansion of Product_{k:=1} (1 + x^(2*k)) / (1 - x^k).

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

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

Sequence: A280021
Name: Expansion of phi_{11, 2}(x) where phi_{r, s}(x) = Sum_{n, m:0} m^r * n^s * x^{m*n}.

$$\frac{9\,\pi^5}{2048\,\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 9/2048*Pi^5/GAMMA(3/4)^24
Value: .10229415731169745018660 3e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, 2052, 177156, 4202512, 48828150, 363524112, 1977326792, 8606744640, 31382654013, 100195363800, 285311670732, 744500215872, 1792160394206, 4057474577184, 8650199741400, 17626613022976, 34271896307922, 64397206034676, 116490258898580, 205200886312800

Sequence: A280024
Name: Coefficients in q-expansion of E_2^4*E_4, where E_2 and E_4 are respectively the Eisenstein series A006352 and A004009.

$$\frac{243}{4\,\pi^2\,\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: 243/4/Pi^2/GAMMA(3/4)^8
Value: 1.21053171754373959172819
Number of terms: 512
Offset: 0

Sequence: 1, 144, -17712, 524736, -2279088, -79760160, 71126208,

7093116288, 65399933520, 370698709968, 1592500629600, 5659924638528, 17465468914368, 48233085519456, 121766302456704, 285303917520000, 627654170451024, 1308136029869088, 2601247015228176

Sequence: A281374
Name: Coefficients in q-expansion of E_2^2, where E_2 is the Eisenstein series shown in A006352.

$$\frac{9}{\pi^2}$$

Printed: 9/Pi^2
Value: .91189065278103994299492 0
Number of terms: 512
Offset: 0

Sequence: 1, -48, 432, 3264, 9456, 21600, 39744, 66432, 105840, 147984, 220320, 281664, 393792, 475104, 646272, 743040, 980592, 1091232, 1432944,
1536960, 1965600, 2118144, 2649024, 2761344, 3516480, 3557040, 4433184, 4594560, 5575296, 5603040, 6998400, 6864384, 8407152, 8494848, 10085472,
9918720, 12319152

Sequence: A281979
Name: a(n) = (A281959(n) - A037947(n))/657931.

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

Printed: 1/24/exp(-2*Pi)
Value: 22.3121523135318640209602
Number of terms: 512
Offset: 1

Sequence: 0, 51, 1287808, 1711273635, 452970333696, 43211657266860, 2038311950075136, 57420813107839395, 1091144797392901120, 15199162675148592018,
164678453263146595200, 1449942615368630353516,
1072515205221656726 4768, 6839440176388860633 4680

Sequence: A282012
Name: Coefficients in q-expansion of E_4^4, where E_4 is the Eisenstein series shown in A004009.

$$\frac{81\ \pi^8}{256\ \Gamma\left(\frac{3}{4}\right)^{32}}$$

Printed: 81/256*Pi^8/GAMMA(3/4)^32
Value: 4.4912019067894183154927 1
Number of terms: 512
Offset: 0

Sequence: 1, 960, 354240, 61543680, 4858169280, 137745912960, 2120861041920, 21423820362240, 158753769048000, 928983317334720, 4512174992346240,
18847874280625920, 69518972236842240, 230951926208599680, 701949379778818560, 1975788826748167680

Sequence: A282015
Name: Coefficients in q-expansion of E_4^5, where E_4 is the Eisenstein series shown in A004009.

$$\frac{243\ \pi^{10}}{1024\ \Gamma\left(\frac{3}{4}\right)^{40}}$$

Printed: 243/1024*Pi^10/GAMMA(3/4)^40
Value: 6.53812507759050586337466
Number of terms: 512
Offset: 0

Sequence: 1, 1200, 586800, 148641600, 20400279600, 1439038231200, 46093334702400, 861697555612800, 10894180752126000, 102121497049868400,
755966260027216800, 4623420005167550400, 24151632380348692800, 110516281318431693600, 451789183426135939200

Sequence: A282018
Name: Coefficients in q-expansion of E_2^3, where E_2 is the Eisenstein series shown in A006352.

$$\frac{27}{\pi^3}$$

Printed: 27/Pi^3
Value: .870791429696386207979399
Number of terms: 512
Offset: 0

Sequence: 1, -72, 1512, -3744, -95544, -473904, -1538784, -3947328, -

8597880, -16987176, -30607632, -52030944, -83972448, -129500784, -194056128, -\
279446976, -397468152, -544155408, -743106744, -978896160, -1296984528, -1654458624, -2139055776, -2661349824, -3370243680, -4106376504, -5113466064

Sequence: A282019
Name: Coefficients in q-expansion of E_2*E_4, where E_2 and E_4 are the Eisenstein series shown in A006352 and A004009, respectively.

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

Printed: 9/4*Pi/GAMMA(3/4)^8
Value: 1.3901511616459163561099 2
Number of terms: 512
Offset: 0

Sequence: 1, 216, -3672, -62496, -322488, -1121904, -2969568, -6737472, -13678200, -24978312, -43826832, -70620768, -112325472, -166558896, -\
248342976, -346320576, -491604984, -655461072, -897864696, -1154109600, -1532856528, -1921344768, -2488726944, -3042415296, -3876616800, -4639932504

Sequence: A282101
Name: Coefficients in q-expansion of E_2*E_4^2, where E_2, E_4 are the Eisenstein series shown in A006352, A004009, respectively.

$$\frac{27\,\pi^3}{16\,\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: 27/16*Pi^3/GAMMA(3/4)^16
Value: 2.02373047576836525132687
Number of terms: 512
Offset: 0

Sequence: 1, 456, 50328, -470496, -21784008, -234371664, -1446514848, -6502690752, -23328111240, -71276388312, -191952331632, -468159788448, -\
1052750026272, -2212261706256, -4394299104576, -8303419066176, -15060718806024, -26284654025712, -44471780630856

Sequence: A282208
Name: Coefficients in q-expansion of E_2^2*E_4, where E_2 and E_4 are respectively the Eisenstein series A006352 and A004009.

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

Printed: 27/4/GAMMA(3/4)^8
Value: 1.32749657412532806965039
Number of terms: 512
Offset: 0

Sequence: 1, 192, -8928, 9984, 1420896, 11433600, 53760384, 187233792, 533725920, 1327018944, 2953851840, 6060858624, 11611915392, 21030301824,
36387585792, 60357358080, 97020376032, 150755202432, 229107724704, 338493223680, 492378465600, 698632525824, 980953593984

Sequence: A282210
Name: Coefficients in q-expansion of E_2^4, where E_2 is the Eisenstein series shown in A006352.

$$\frac{81}{\pi^4}$$

Printed: 81/Pi^4
Value: .831544562629431150321377
Number of terms: 512
Offset: 0

Sequence: 1, -96, 3168, -34944, -107808, 1955520, 16829568, 76708608, 258593760, 715480608, 1729546560, 3771497088, 7581237888, 14296261056,
25520442624, 43590539520, 71582414304, 113752634688, 175604039136, 264097115520, 388619703360, 559658001408, 792716685696

Sequence: A282330
Name: Coefficients in q-expansion of E_4^6, where E_4 is the Eisenstein series A004009.

$$\frac{729\,\pi^{12}}{4096\,\Gamma\left(\frac{3}{4}\right)^{48}}$$

Printed: 729/4096*Pi^12/GAMMA(3/4)^48
Value: 9.51795987296773436718306
Number of terms: 512
Offset: 0

Sequence: 1, 1440, 876960, 292072320, 57349833120, 6660135541440, 436536302762880, 15172132360815360, 327295477379498400, 4913576699608450080, 55439481453769056960, 496426192564963006080, 3672749219557161663360, 2314832390721433410912 0

Sequence: A282402
Name: Coefficients in q-expansion of E_4^7, where E_4 is the Eisenstein series A004009.

$$\frac{2187\,\pi^{14}}{16384\,\Gamma\left(\frac{3}{4}\right)^{56}}$$

Printed: 2187/16384*Pi^14/GAMMA(3/4)^56
Value: 13.8558927931690261537477
Number of terms: 512
Offset: 0

Sequence: 1, 1680, 1224720, 505659840, 129351117840, 21060890131680, 2160822606183360, 134717272385473920, 4957295423282269200, 119288258695393463760, 2051465861242156554720, 26894077218337493424960, 281803532524538902825920

Sequence: A282431
Name: Coefficients in q-expansion of E_2^5, where E_2 is the Eisenstein series A006352.

$$\frac{243}{\pi^5}$$

Printed: 243/Pi^5
Value: .794066565261972669848670
Number of terms: 512
Offset: 0

Sequence: 1, -120, 5400, -104160, 511800, 6770736, -19504800, -452207040, -2959622280, -12932941080, -44497080432, -129918587040, -335811977760, -\
788655411600, -1714912983360, -3498061536576, -6761506680840, -12481939678320, -22138262633160, -37922739116640

Sequence: A282474
Name: Coefficients in q-expansion of E_4^8, where E_4 is the Eisenstein series A004009.

$$\frac{6561\,\pi^{16}}{65536\,\Gamma\left(\frac{3}{4}\right)^{64}}$$

Printed: 6561/65536*Pi^16/GAMMA(3/4)^64
Value: 20.1708945675489069229675
Number of terms: 512
Offset: 0

Sequence: 1, 1920, 1630080, 803228160, 253366181760, 53205643249920, 7498254194403840, 699684356363412480, 42100628403784982400, 1614922125605880493440, 42332208491309728078080, 812648422343847344279040, 12060223533365891970132480

Sequence: A282546
Name: Coefficients in q-expansion of E_2*E_4^4, where E_2 and E_4 are respectively the Eisenstein series A006352 and A004009.

$$\frac{243\,\pi^{7}}{256\,\Gamma\left(\frac{3}{4}\right)^{32}}$$

Printed: 243/256*Pi^7/GAMMA(3/4)^32
Value: 4.2887819033356901534139 8
Number of terms: 512
Offset: 0

Sequence: 1, 936, 331128, 52972704, 3355523352, 16684536816, -1540796901408, -39871325253312, -522168659242920, -4651083548616312, -\
31647933913392432, -175516717881381408, -827283695234707872, -3413277291552455376, -12598120840018061376, -42296015537631706176

Sequence: A282549
Name: Coefficients in q-expansion of E_2*E_4^3, where E_2 and E_4 are respectively the Eisenstein series A006352 and A004009.

$$\frac{81\,\pi^{5}}{64\,\Gamma\left(\frac{3}{4}\right)^{24}}$$

Printed: 81/64*Pi^5/GAMMA(3/4)^24
Value: 2.94607173057688656537416
Number of terms: 512
Offset: 0

Sequence: 1, 696, 161928, 12599904, -22912728, -6132581424, -107015308128, -1012991092032, -6676225539480, -34225591158312, -145164618698832, -\
530958452207328, -1722320395791072, -5059903726594416, -13673185634909376, -34406198518205376, -81397333990275864

Sequence: A282586
Name: Coefficients in q-expansion of E_2^3*E_4, where E_2 and E_4 are respectively the Eisenstein series A006352 and A004009.

$$\frac{81}{4\,\pi\,\Gamma\left(\frac{3}{4}\right)^8}$$

Printed: 81/4/Pi/GAMMA(3/4)^8
Value: 1.26766585025761564315678
Number of terms: 512
Offset: 0

Sequence: 1, 168, -13608, 210336, 1805496, -22562064, -322437024, -2063087808, -9165872520, -32250917496, -96383477232, -254377990944, -\
608736541728, -1346209592784, -2786771573568, -5459635814976, -10197462567432, -18283324047408, -31620880746504

Sequence: A282597
Name: Expansion of phi_{14, 1}(x) where phi_{r, s}(x) = Sum_{n, m:0} m^r * n^s * x^{m*n}.

$$\frac{27\,\pi^8}{4096\,\Gamma\left(\frac{3}{4}\right)^{32}}$$

Printed: 27/4096*Pi^8/GAMMA(3/4)^32
Value: .935667063914462149060982e-1
Number of terms: 512
Offset: 0

Sequence: 0, 1, 16386, 4782972, 268468228, 6103515630, 78373779192, 678223072856, 4398583447560, 22876806803877, 100012207113180, 379749833583252,
1284076017413616, 3937376385699302, 11113363271818416, 29192944359852360, 72066391204823056, 168377826559400946

Sequence: A282751
Name: Expansion of phi_{7, 2}(x) where phi_{r, s}(x) = Sum_{n, m:0} m^r * n^s * x^{m*n}.

$$\frac{\pi^3}{512\,\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: 1/512*Pi^3/GAMMA(3/4)^16
Value: .23422806432504227445912 9e-2
Number of terms: 512
Offset: 0

Sequence: 0, 1, 132, 2196, 16912, 78150, 289872, 823592, 2164800, 4802733, 10315800, 19487292, 37138752, 62748686, 108714144, 171617400, 277094656,
410338962, 633960756, 893872100, 1321672800, 1808608032, 2572322544, 3404825976, 4753900800, 6105469375, 8282826552

Sequence: A282752
Name: Coefficients in q-expansion of E_2^2*E_4^2, where E_2 and E_4 are respectively the Eisenstein series A006352 and A004009.

$$\frac{81\,\pi^2}{16\,\Gamma\left(\frac{3}{4}\right)^{16}}$$

Printed: 81/16*Pi^2/GAMMA(3/4)^16
Value: 1.93252025222549066612740
Number of terms: 512
Offset: 0

Sequence: 1, 432, 39312, -1711296, -14159664, 317412000, 5783500224, 47251354752, 263098098000, 1138294453104, 4105673192160, 12882680040384,
36171259008192, 92764213434144, 220523509245312, 491705284878720, 1037366470830672, 2086141009345632, 4022101701933264

Sequence: A283120
Name: Expansion of exp(Sum_{n:=1} sigma(8*n)*x^n/n) in powers of x.

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

Printed: 4/Pi^2*GAMMA(3/4)^8/exp(1/24*Pi)*2^(1/8)
Value: 1.9715615713 1321083043972
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

Sequence: A283163
Name: Expansion of exp(Sum_{n:=1} -sigma(4*n)*x^n/n) in powers of x.

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

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

Sequence: A283168
Name: Expansion of exp(Sum_{n:=1} -sigma(8*n)*x^n/n) in powers of x.

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

Printed: 1/8*Pi^2/GAMMA(3/4)^8/exp(-1/24*Pi)*2^(7/8)
Value: .507212158397834616070986
Number of terms: 512
Offset: 0

Sequence: 1, -15, 97, -350, 770, -1133, 1540, -2731, 4230, -3960, 3402, -6580, 9167, -5390, 4310, -11061, 12320, -5306, 2030, -7530, 14784, -4340, -10119, -9240, 20090, 11438, -17275, -4928, 2270, 14080, -26840, 7700, 16646, 24640, -53760, 7449, 10780, 46200, -61600

Sequence: A284286
Name: Expansion of eta(q^2)^4 / eta(q)^8 in powers of q.

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

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

Sequence: A286131
Name: Expansion of q^(-1/2) * eta(q) * eta(q^30) * eta(q^35) * eta(q^42) in powers of q.

$$\frac{\pi^{1/4}\sqrt{2}}{2\,\Gamma\left(\frac{3}{4}\right)e^{\frac{95\,\pi}{12}}}$$

Printed: 1/2*Pi^(1/4)/GAMMA(3/4)/exp(95/12*Pi)*2^(1/2)
Value: .12138803287214513500450 8e-10
Number of terms: 512
Offset: 0

Sequence: 0, 0, 0, 0, 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, -1, 1, 1, 0, 0, -3, 1, 0, 0, 0,
-2, 0, -1, 1, 1, 1, 0, 0, 0, -1, 1, 1, -1, 0, 1, 0, -1, 1, 0, 0, -1, 0, 1, 0, -1, 1, -1, -2, -1, 0, 1, 1, 4, -1, -1, 1, 0, 0

Sequence: A286329
Name: Convolution inverse of A007267.

$$\frac{1}{648\,e^{-2\,\pi}}$$

Printed: 1/648/exp(-2*Pi)
Value: .826376011612291260035562
Number of terms: 512
Offset: 1

Sequence: 1, -104, 6444, -311744, 13018830, -493025760, 17411253944, -583472867840, 18770817643749, -584450497233840, 17716721171780388, -\
525192444572011776, 15276991910654781638, -437229195695756884672,

123386417302181478915 60, -343932138212987023388672

Sequence: A286346
Name: Expansion of eta(q)^24 / eta(q^2)^12 in powers of q.

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

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

Sequence: A286399
Name: Expansion of eta(q^2)^12 * eta(q^4)^8 / eta(q)^8 in powers of q.

$$\frac{\pi^3}{1024\,\Gamma\left(\frac{3}{4}\right)^{12}}$$

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

Sequence: A286953
Name: Expansion of Product_{j:=1} (1 - x^j)/(1 - x^(4*j))^4.

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

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

Sequence: A287619
Name: Number of positive odd solutions to equation x^2 + 39y^2 = 8*(n + 5).

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

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, 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, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 2,
0, 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0

Sequence: A287933
Name: Coefficients in expansion of 1/E_8.

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

Printed: 16/9/Pi^4*GAMMA(3/4)^16
Value: .471866026620371251006895
Number of terms: 424
Offset: 0

Sequence: 1, -480, 168480, -52199040, 15119446560, -4198347132480, 1132514464199040, -299116847254053120, 77742157641008378400, -\
19951615350261029163360, 5068304275307482667436480, -1276700988345016720650917760

Sequence: A287990
Name: Expansion of Jacobi theta constant (theta_2/2)^36.

$$\frac{\pi^9 \sqrt{2}}{8388608\ \Gamma\left(\frac{3}{4}\right)^{36}\ e^{-\frac{9\pi}{2}}}$$

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

Sequence: A287991
Name: Expansion of Jacobi theta constant (theta_2/2)^48.

$$\frac{\pi^{12}}{1073741824\ \Gamma\left(\frac{3}{4}\right)^{48}\ e^{-6\pi}}$$

Printed: 1/1073741824*Pi^12/GAMMA(3/4)^48/exp(-6*Pi)
Value: 7.6477651372120365987 1078
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

Sequence: A288727
Name: Expansion of 1/j^2 where j is the elliptic modular invariant (A000521).

$$\frac{1}{2985984\ e^{-4\pi}}$$

Printed: 1/2985984/exp(-4*Pi)
Value: .96032434579908432110 3863e-1
Number of terms: 420
Offset: 2

Sequence: 1, -1488, 1266840, -811420480, 434731407660, -

205762405603104, 88869953694086720, -35768448018942261120,
136102976132501807858 70, -\
49472384832830265119132 00, 17311664761030964949531120 96, -
58662568853087257248020 0739648

Sequence: A288816
Name: Coefficients in expansion of 1/E_2.

$$\frac{\pi}{3}$$

Printed: 1/3*Pi
Value: 1.0471975511965977461542 1
Number of terms: 512
Offset: 0

Sequence: 1, 24, 648, 17376, 466152, 12505104, 335466144, 8999325120, 241418862504, 6476381979576, 173737557697968, 4660740989265312, 125030574027131424, 3354111390776151504, 89978497733627940672, 2413792838444465745216, 6475320230589129179882 4

Sequence: A288846
Name: Expansion of (q*j)^3, where j is a modular function A000521.

$$\frac{5159780352}{e^{6\,\pi}}$$

Printed: 5159780352/exp(6*Pi)
Value: 33.6026161838714220795417
Number of terms: 512
Offset: 0

Sequence: 1, 2232, 2251260, 1355202240, 541778118390, 151522053809760, 30456116651640888, 4460775211418664960, 479919718908048515625, 38292247221915373896560, 2309356967925215526546564, 108570959012192293978767360, 4111854826236389868361040550

Sequence: A288877
Name: Coefficients in expansion of E_4/E_2.

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

Printed: 1/4*Pi^3/GAMMA(3/4)^8
Value: 1.52447133590666893996846
Number of terms: 512

Offset: 0

Sequence: 1, 264, 8568, 231456, 6214872, 166719024, 4472485344,
119980322880, 3218631807384, 86344077536616, 2316294684846288,
62137684699355232,
1666926011246777184, 44717506621139113584, 1199606572169515887552,
3218104131306813877881 6

Sequence: A289062
Name: Coefficients in expansion of E_2^12/Product_{k:=1} (1-q^k)^24.

$$\frac{2176782336\ \Gamma\left(\frac{3}{4}\right)^{24}}{\pi^{18}\ e^{2\pi}}$$

Printed: 2176782336/Pi^18*GAMMA(3/4)^24/exp(2*Pi)
Value: .601416972376953932785185
Number of terms: 512
Offset: 0

Sequence: 1, -264, 30564, -2012800, 81099090, -1952940672, 22697326712,
63468624384, -4486982088465, 11373493964160, 616923039055284, -\
663002527580928, -77516928995402226, -352040146340083200,
592942396070109564 0, 876369714473138022 40, 269600086946598203619

Sequence: A289247
Name: Coefficients in expansion of 1/E_4^(1/8).

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

Printed: 1/3/Pi^(1/4)*2^(1/4)*3^(7/8)*GAMMA(3/4)
Value: .954143441400232413939502
Number of terms: 426
Offset: 0

Sequence: 1, -30, 3780, -616440, 111056910, -21135698280, 4165203862440,
-840914061328320, 172810940671692900, -35998781800053352710,
757990461102843307428 0, -160995715229259238240836 0,
344417407415742189796786680, -741273246747754349040369056 40

Sequence: A289291
Name: Coefficients in expansion of E_2^(1/2).

$$\frac{\sqrt{3}}{\sqrt{\pi}}$$

Printed: 1/Pi^(1/2)*3^(1/2)
Value: .97720502380583984317277 1
Number of terms: 512
Offset: 0

Sequence: 1, -12, -108, -1344, -22044, -409752, -8201088, -172293504, -3746915388, -83625518604, -1904468689368, -44079484775616, -1033852665619200
, -24518163456010392, -586936016770722048, -14164129272396668544, -344209494372831399036

Sequence: A289292
Name: Coefficients in expansion of E_4^(1/2).

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

Printed: 1/2*Pi*3^(1/2)/GAMMA(3/4)^4
Value: 1.20654999576010497057134
Number of terms: 427
Offset: 0

Sequence: 1, 120, -6120, 737760, -107249640, 17385063120, -3014720249760, 547287510713280, -102701836021530600, 19762301660609250840, -\
3878226140959368843120, 773209219953012480001440, -\
156173318001506652330786720, 31888935085481430265623676560

Sequence: A289297
Name: Expansion of (q*j(q))^(1/12) where j(q) is the elliptic modular invariant (A000521).

$$\frac{\sqrt{2}\;3^{1/4}}{e^{\frac{\pi}{6}}}$$

Printed: 1/exp(1/6*Pi)*2^(1/2)*3^(1/4)
Value: 1.10255243450393906379580
Number of terms: 426
Offset: 0

Sequence: 1, 62, -4735, 651070, -103766140, 17999397756, -3292567703035, 624659270035130, -121698860487451255, 24194029851560118900, -\

488691365754156664817 9, 9998490403316833939092 32, -
2067413946040732704680 5355

Sequence: A289298
Name: Expansion of (q*j(q))^(1/8) where j(q) is the elliptic modular invariant (A000521).

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

Printed: 1/exp(1/4*Pi)*2^(3/4)*3^(3/8)
Value: 1.15770758532561667208279
Number of terms: 426
Offset: 0

Sequence: 1, 93, -5661, 741532, -113207799, 19015433748, -3390166183729, 629581913929419, -120437982238038210, 23564574046009042869, -\
469289996849892129153 0, 9480242116011804440757 39, -
193775768073341380441728322

Sequence: A289299
Name: Expansion of (q*j(q))^(1/6) where j(q) is the elliptic modular invariant (A000521).

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

Printed: 2/exp(1/3*Pi)*3^(1/2)
Value: 1.21562187083056283900544
Number of terms: 427
Offset: 0

Sequence: 1, 124, -5626, 715000, -104379375, 16966161252, -
2946652593626, 535467806605000, -100554207738307500, 19359037551684042500, -\
380059318074605668437 2, 75796893625430970450024 8, -
153133996443087103652605627

Sequence: A289300
Name: Expansion of (q*j(q))^(5/24) where j(q) is the elliptic modular invariant (A000521).

$$\frac{2\,2^{1/4}\,3^{5/8}}{e^{\frac{5\pi}{12}}}$$

Printed: 2/exp(5/12*Pi)*2^(1/4)*3^(5/8)
Value: 1.27643331664443542105413
Number of terms: 427
Offset: 0

Sequence: 1, 155, -4630, 601265, -83644610, 13148835656, -2223584717035, 395257299676190, -72843145114522035, 13796578308407774725, -\
2669652272250261922223, 525556527400692937755655, -\
1049379080725714167006531 20

Sequence: A289301
Name: Expansion of (q*j(q))^(1/4) where j(q) is the elliptic modular invariant (A000521).

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

Printed: 2/exp(1/2*Pi)*2^(1/2)*3^(3/4)
Value: 1.34028685312047000725143
Number of terms: 427
Offset: 0

Sequence: 1, 186, -2673, 430118, -56443725, 8578591578, -1411853283028, 245405765574252, -44373155962556475, 8266332741845429800, -\
1576306833508315403544, 306275559567641721838494, -\
6043243703238179413558606 9

Sequence: A289302
Name: Expansion of (q*j(q))^(7/24) where j(q) is the elliptic modular invariant (A000521).

$$\frac{2\,2^{3/4}\,3^{7/8}}{e^{\frac{7\pi}{12}}}$$

Printed: 2/exp(7/12*Pi)*2^(3/4)*3^(7/8)
Value: 1.40733466074825959662662
Number of terms: 427
Offset: 0

Sequence: 1, 217, 245, 231350, -27293420, 4017072017, -643057897118, 109259930443485, -19377905432572925, 3549922504344871655, -\

666990037937425724641, 127890778891452935279096, -
249340770082092434369613 85

Sequence: A289303
Name: Expansion of (q*j(q))^(3/8) where j(q) is the elliptic modular invariant (A000521).

$$\frac{12\ 2^{1/4}\ 3^{1/8}}{e^{\frac{3\pi}{4}}}$$

Printed: 12/exp(3/4*Pi)*2^(1/4)*3^(1/8)
Value: 1.55166025636976879090940
Number of terms: 427
Offset: 0

Sequence: 1, 279, 8964, -129885, 23406255, -3128904747, 473738861853, -76824787699971, 13098300010462845, -2318947179364181165, 422782870045511526012, -78914282330756685655485, 15016013710284896513279286

Sequence: A289304
Name: Expansion of (q*j(q))^(5/12) where j(q) is the elliptic modular invariant (A000521).

$$\frac{12\ \sqrt{2}\ 3^{1/4}}{e^{\frac{5\pi}{6}}}$$

Printed: 12/exp(5/6*Pi)*2^(1/2)*3^(1/4)
Value: 1.62928201183991353930328
Number of terms: 427
Offset: 0

Sequence: 1, 310, 14765, -232770, 40539830, -5199871688, 765038308115, -121140033966330, 20242157273780710, -3521886754264327670, 632344647471171938140, -116428917411726531951590, 21883035176258955622401245

Sequence: A289305
Name: Expansion of (q*j(q))^(11/24) where j(q) is the elliptic modular invariant (A000521).

$$\frac{12\ 2^{3/4}\ 3^{3/8}}{e^{\frac{11\pi}{12}}}$$

Printed: 12/exp(11/12*Pi)*2^(3/4)*3^(3/8)
Value: 1.71078679318349480135850
Number of terms: 428
Offset: 0

Sequence: 1, 341, 21527, -244112, 50791235, -6177875286, 883458515093, -136541356378141, 22354744100161913, -3821528558157433970, 675604462786881129711, -122689458583136157060647, 22774615293799045532223797

Sequence: A289307
Name: Coefficients in expansion of E_4^(1/4) in powers of q.

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

Printed: 1/2*Pi^(1/2)*2^(1/2)*3^(1/4)/GAMMA(3/4)^2
Value: 1.0984306968398620689429 4
Number of terms: 426
Offset: 0

Sequence: 1, 60, -4860, 660480, -105063420, 18206269560, -3328461434880, 631226199152640, -122944850563477500, 24436796345920143420, -\
4935178772322020730360, 1009598430837232126725120, -\
208736157503462405753487360, 435416647912445632110240154 80

Sequence: A289308
Name: Coefficients in expansion of E_4^(3/8).

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

Printed: 1/2*Pi^(3/4)*2^(1/4)*3^(3/8)/GAMMA(3/4)^3
Value: 1.1512217651759823844839 0
Number of terms: 426
Offset: 0

Sequence: 1, 90, -5940, 758520, -115431930, 19355028840, -3447208777320, 639751846440960, -122326632902618100, 23925871041887048130, -\
4763590542726586318440, 962102309316632909723880, -\
196619722885250960565506040, 40580696990507644723354537320

Sequence: A289309
Name: Coefficients in expansion of E_4^(5/8).

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

Printed: 1/4*Pi^(5/4)*2^(3/4)*3^(5/8)/GAMMA(3/4)^5
Value: 1.26453732573947038658522
Number of terms: 427
Offset: 0

Sequence: 1, 150, -5400, 625200, -86672550, 13570016400, -2289741037200, 406440122001600, -74830416797043000, 14162747887897808550, -\
2738995393669565720400, 538973037306449327998800, -\
1075788999148659703237884000, 217298132191225000827623892000

Sequence: A289318
Name: Coefficients in expansion of E_4^(3/4).

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

Printed: 1/4*Pi^(3/2)*2^(1/2)*3^(3/4)/GAMMA(3/4)^6
Value: 1.3253115526149047275799
Number of terms: 427
Offset: 0

Sequence: 1, 180, -3780, 447840, -59046660, 8921092680, -1463828444640, 253953515257920, -45858209756343300, 8534765953624978260, -\
1626301691950399586280, 315807346469727624396960, -\
62284193156782292089690080, 12443904711281870749228431240

Sequence: A289319
Name: Coefficients in expansion of E_4^(7/8).

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

Printed: 1/4*Pi^(7/4)*2^(1/4)*3^(7/8)/GAMMA(3/4)^7
Value: 1.3890066158920221060593
Number of terms: 427

Offset: 0

Sequence: 1, 210, -1260, 232680, -28907970, 4211355960, -671557897080, 113817372354240, -20151698294479500, 3687092782592216970, -\
69210998973113309676 0, 13260926705963637511 6920, -\
25838624519733523814390760, 5105657091664960508653858680

Sequence: A289392
Name: Coefficients in expansion of E_2^(1/4).

$$\frac{3^{1/4}}{\pi^{1/4}}$$

Printed: 1/Pi^(1/4)*3^(1/4)
Value: .988536809535102664996684
Number of terms: 512
Offset: 0

Sequence: 1, -6, -72, -1104, -20238, -405792, -8601840, -189317568, -4281478272, -98841343686, -2318973049008, -55118876238000, -1324194430710912,
-32099173821105312, -784045854628721568, -19276683937074656064, -476644852188898489662

Sequence: A289393
Name: Coefficients in expansion of E_2^(3/4).

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

Printed: 1/Pi^(3/4)*3^(3/4)
Value: .966003136494698966621721
Number of terms: 512
Offset: 0

Sequence: 1, -18, -108, -936, -13194, -224424, -4218264, -84318336, -1759467636, -37903487130, -836893437912, -18844318997496, -431163494289720, -\
9997357777073064, -234430475682110256, -5550426839122171776, -132513976699508759994

Sequence: A289397
Name: Coefficients in expansion of (q*j(q))^(-1/24).

$$\frac{2^{3/4}\,3^{7/8}}{6\,e^{-\frac{\pi}{12}}}$$

Printed: 1/6/exp(-1/12*Pi)*2^(3/4)*3^(7/8)
Value: .952358305740767278163840
Number of terms: 426
Offset: 0

Sequence: 1, -31, 3809, -620190, 111669570, -21246138749, 4186228503780, -845058129488699, 173647689528542310, -36170751826552656600, 7615730581866678419370, -1617501058117655447210580, 346019784662582818549094159

Sequence: A289454
Name: Expansion of 1/j^3 where j is the elliptic modular invariant (A000521).

$$\frac{1}{5159780352\,e^{-6\,\pi}}$$

Printed: 1/5159780352/exp(-6*Pi)
Value: .297595876025861292171952e-1
Number of terms: 418
Offset: 3

Sequence: 1, -2232, 2730564, -2425008768, 1748443340826, -1085940040502592, 602376210735356376, -305671359557586479616, 144309502321265349235035, -\
641750622383695526807120 96, 271359872169397273664921759 40, -\
109901603972151223100792489 98656

Sequence: A289455
Name: Expansion of 1/j^4 where j is the elliptic modular invariant (A000521).

$$\frac{1}{8916100448256\,e^{-8\,\pi}}$$

Printed: 1/8916100448256/exp(-8*Pi)
Value: .922222849134439280166119e-2
Number of terms: 416
Offset: 4

Sequence: 1, -2976, 4747824, -5392956800, 4889133749400, -3761165322168768, 2549962294786430144, -1562849905009064897280, 881746577453401952409900, -\
464149085470990004575901600, 230323243751761513144853469408, -\
108618796884881830752241855604352

Sequence: A289512
Name: Expansion of 1/j^5 where j is the elliptic modular invariant (A000521).

$$\frac{1}{1540702157458636 8 e^{-10 \pi}}$$

Printed: 1/1540702157458636 8/exp(-10*Pi)
Value: .285788564957040647023318e-2
Number of terms: 414
Offset: 5

Sequence: 1, -3720, 7318620, -10127095360, 11061866004390, -10151440298355744, 8136148305855926840, -584664325416579718656 0, 383860619538037471741 8465, -233528472737331089702954440 0, 133085109441364442395953757165 2, -716606026961666494353690542814720

Sequence: A289513
Name: Expansion of 1/j^6 where j is the elliptic modular invariant (A000521).

$$\frac{1}{26623333280885243904 e^{-12 \pi}}$$

Printed: 1/26623333280885243904/exp(-12*Pi)
Value: .885633054275998037974860e-3
Number of terms: 412
Offset: 6

Sequence: 1, -4464, 10442952, -17039255232, 21778105580100, -2322021443762275 2, 21481529172149572992, -17710788549056167790208, 13266671900249257490243610, -916080261335872805659323880 0, 589706069039718132985325704569 6

Sequence: A289514
Name: Expansion of 1/j^7 where j is the elliptic modular invariant (A000521).

$$\frac{1}{46005119909369701466112 e^{-14 \pi}}$$

Printed: 1/46005119909369701466112/exp(-14*Pi)
Value: .274449716679229173898988e-3
Number of terms: 410
Offset: 7

Sequence: 1, -5208, 14120820, -26541267200, 38855720054130, -4720234779418636 8, 495083784540939371 12, -460641351378420112742 40, 387724864641814935987459 75, -29962343460442400908618822720, 215036061925455828191212860315 24

Sequence: A289515
Name: Expansion of 1/j^8 where j is the elliptic modular invariant (A000521).

$$\frac{1}{7949684720339084413344153 6\, e^{-16\,\pi}}$$

Printed: 1/79496847203390844133441536/exp(-16*Pi)
Value: .850494983465642752962683e-4
Number of terms: 408
Offset: 8

Sequence: 1, -5952, 18352224, -39044962048, 64418979107376, -87832074172772736, 102995856743010218624, -106751551557580631373312, 99750353173835532264248472, -85298079996944806752079602240, 67533359025085585021484468850240, -49969584220872820552640845366351104, 34818371808714662813628963122182100160

Sequence: A289516
Name: Expansion of 1/j^9 where j is the elliptic modular invariant (A000521).

$$\frac{1}{13737055196745937866258697420 8\, e^{-18\,\pi}}$$

Printed: 1/137370551967459378662586974208/exp(-18*Pi)
Value: .263560744624724797059179e-4
Number of terms: 406
Offset: 9

Sequence: 1, -6696, 23137164, -54962170560, 100898554524030, -152570964293469792, 197804824654438091448, -226001211084270994392576, 232143871270380435422031645, -217638824689267205181123513840, 188440939272259782078293099295972

Sequence: A289517
Name: Expansion of 1/j^10 where j is the elliptic modular invariant (A000521).

$$\frac{1}{2373763137997698063289502914314 24\, e^{-20\,\pi}}$$

Printed: 1/237376313799769806328950291431424/exp(-20*Pi)
Value: .816751038602046413207764e-5
Number of terms: 405
Offset: 10

Sequence: 1, -7440, 28475640, -74704723520, 151031520191580, -250835888956579488, 356272260416109602240, -444864441668603737630080, 498241081014831011965132710, -508187364230945384698554319920, 477695553082956543572082694287840

Sequence: A289565
Name: Coefficients in expansion of 1/E_2^(1/2).

$$\frac{\sqrt{\pi}\,\sqrt{3}}{3}$$

Printed: 1/3*Pi^(1/2)*3^(1/2)
Value: 1.02332670794648848847956
Number of terms: 512
Offset: 0

Sequence: 1, 12, 252, 5664, 133356, 3224952, 79387488, 1978996416, 49797787788, 1262193008556, 32177428972632, 824182154521056, 21193138994244960, 546767126418119352, 14146104826919725632, 366887630982365262144, 9535791498480146879436

Sequence: A289566
Name: Coefficients in expansion of 1/E_4^(1/2).

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

Printed: 2/3/Pi*3^(1/2)*GAMMA(3/4)^4
Value: .828809418187447625474800
Number of terms: 425
Offset: 0

Sequence: 1, -120, 20520, -3934560, 793510440, -164694615120, 34824089129760, -7460017581785280, 1613575314347164200, -351613291994820018840, 77073167391611232305520, -16975579813113940564868640, 3753822590560913900129106720

Sequence: A289744
Name: Coefficients in expansion of q*E'_8 where E_8 is the Eisenstein Series (A008410).

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

Printed: 9/8*Pi^3/GAMMA(3/4)^16/exp(-2*Pi)
Value: 722.460521870081129964856
Number of terms: 512
Offset: 1

Sequence: 480, 123840, 3150720, 31704960, 187502400, 812885760, 2767107840, 8116473600, 20671878240, 48375619200, 102892268160, 208111357440,
391550752320, 713913822720, 1230765753600, 2077817249280, 3348363579840, 5333344585920, 8152110268800, 12384908524800

Sequence: A289745
Name: Coefficients in expansion of -q*E'_10 where E_10 is the Eisenstein Series (A013974).

$$\frac{27\,\pi^6}{128\,\Gamma\left(\frac{3}{4}\right)^{24}\,e^{-2\,\pi}}$$

Printed: 27/128*Pi^6/GAMMA(3/4)^24/exp(-2*Pi)
Value: 826.027767686333844216635
Number of terms: 512
Offset: 1

Sequence: 264, 270864, 15589728, 277365792, 2578126320, 15995060928, 74573467584, 284022573120, 920557851048, 2645157604320, 6847480097568,
16379004749184, 36394641851568, 76512377741184, 152243515448640, 290839114879104, 532222389723024, 944492355175248

Sequence: A289746
Name: Coefficients in expansion of -q*E'_14 where E_14 is the Eisenstein Series (A058550).

$$\frac{81\,\pi^8}{512\,\Gamma\left(\frac{3}{4}\right)^{32}\,e^{-2\,\pi}}$$

Printed: 81/512*Pi^8/GAMMA(3/4)^32/exp(-2*Pi)
Value: 1202.50057218132286772441
Number of terms: 512
Offset: 1

Sequence: 24, 393264, 114791328, 6443237472, 146484375120, 1880970700608, 16277353748544, 105566002741440, 549043363293048, 2400292970716320,
9113996005998048, 30817824417926784, 94497033256783248, 266720718523641984, 700630664636456640

Sequence: A290152
Name: Coefficients in expansion of E_4*Delta^3 where Delta is the generating function of Ramanujan's tau function (A000594).

$$\frac{3\,\pi^{20}}{274877906944\,\Gamma\left(\frac{3}{4}\right)^{80}\,e^{-6\,\pi}}$$

Printed: 3/274877906944*Pi^20/GAMMA(3/4)^80/exp(-6*Pi)
Value: 1.27213545803423467296939
Number of terms: 512
Offset: 3

Sequence: 1, 168, -12636, 392832, -7335174, 92207808, -804651624, 4626614784, -11834988165, -73870961696, 1115908456740, -7498139072256,
32630722986078, -90379426346496, 94395618447768, 450271639673856, -2625847472007243, 6203580643521072, -3151366507609936

Sequence: A290178
Name: Coefficients in expansion of E_4*Delta^2 where Delta is the generating function of Ramanujan's tau function (A000594).

$$\frac{3\,\pi^{14}}{67108864\,\Gamma\left(\frac{3}{4}\right)^{56}\,e^{-4\,\pi}}$$

Printed: 3/67108864*Pi^14/GAMMA(3/4)^56/exp(-4*Pi)
Value: 1.33061511820622922013029
Number of terms: 512
Offset: 2

Sequence: 1, 192, -8280, 147200, -1438020, 7491456, -4626880, -246965760, 2112385950, -9443825600, 23625035616, -14413771008, -118710609640, 427914230400, -467038103040, -645319017984, 1640006523477, 2800373100480, -8506579320400, -21655683517440, 108181106829972

Sequence: A290180
Name: Coefficients in expansion of E_8*Delta^2 where Delta is the generating

function of Ramanujan's tau function (A000594).

$$\frac{9\,\pi^{16}}{268435456\,\Gamma\left(\frac{3}{4}\right)^{64}\,e^{-4\,\pi}}$$

Printed: 9/268435456*Pi^16/GAMMA(3/4)^64/exp(-4*Pi)
Value: 1.93706011297637078878322
Number of terms: 512
Offset: 2

Sequence: 1, 432, 39960, -1418560, 17312940, -71928864, -462815680, 7500885120, -38038437810, 29000909200, 729783353376, -4661016429888, 13691625085880, -16503845217120, -14982974507520, 45085348093056, 99234456545637, -157805792764560, -1644659689877680

Sequence: A290271
Name: Expansion of j(q) * q * Product_{n:=1} (1+q^n)^24 where j(q) is the elliptic modular invariant (A000521).

$$\frac{27}{8}$$

Printed: 27/8
Value: 3.37500000000000000000000
Number of terms: 512
Offset: 0

Sequence: 1, 768, 215040, 26444800, 1441185792, 47967398400, 1138440560640, 21001337579520, 317833282191360, 4093417325768448, 46062726364262400, 461921554374159360, 4191623003406663680, 34838889359457538560, 267847934788735057920

Sequence: A290404
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).

$$\frac{27}{64}$$

Printed: 27/64
Value: .42187500000000000000000
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

Sequence: A291124
Name: Expansion of phi(x)^6 * phi(-x)^2 in powers of x where phi() is a Ramanujan theta function.

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

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

Sequence: A294181
Name: Coefficients in expansion of E_2/E_4.

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

Printed: 4/Pi^3*GAMMA(3/4)^8
Value: .65596510504755198532495 6
Number of terms: 424
Offset: 0

Sequence: 1, -264, 61128, -14107296, 3255470952, -751247454384, 173361309784992, -40005651284526912, 9231887649122522280, -2130392752758423726312, 491619206548389935051568, -113448303808924351510423008, 26179851123971817380111236128

Sequence: A295791
Name: Coefficients in expansion of E_2^(-1/4).

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

Printed: 1/3*Pi^(1/4)*3^(3/4)

Value: 1.01159611898548152174125
Number of terms: 512
Offset: 0

Sequence: 1, 6, 108, 2184, 47742, 1090152, 25611768, 613822656,
14929345764, 367245444750, 9115311075192, 227905170276312,
5732722676418360,
144936257747302056, 3680263321993685808, 93801354359445152064,
2398609984906822659918

Sequence: A295815
Name: Coefficients in expansion of E_4^(-1/4).

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

Printed: 1/3/Pi^(1/2)*2^(1/2)*3^(3/4)*GAMMA(3/4)^2
Value: .91038970676707874643212 9
Number of terms: 426
Offset: 0

Sequence: 1, -60, 8460, -1459680, 273388620, -53595097560,
10818138134880, -2228446076600640, 465957083177325900, -
98553257565313635420,
2103480005221702267596 0, -45227621428664031969019 20,
97839773407942239947594 7360

Sequence: A299473
Name: a(n) = 3*p(n), where p(n) is the number of partitions of n.

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

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

Sequence: A299474
Name: a(n) = 4*p(n), where p(n) is the number of partitions of n.

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

Printed: 4*2^(3/8)/Pi^(1/4)*GAMMA(3/4)/exp(1/24*Pi)
Value: 4.1888378801841685208792 0
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

Sequence: A299831
Name: Coefficients in expansion of (q*j(q))^(-1/3) where j(q) is the elliptic modular invariant (A000521).

$$\frac{1}{12\ e^{-\frac{2\pi}{3}}}$$

Printed: 1/12/exp(-2/3*Pi)
Value: .676710616389148026320581
Number of terms: 424
Offset: 0

Sequence: 1, -248, 57380, -13242240, 3055845770, -705181025216, 162730809182936, -37552508189222400, 8665789092645124915, -1999757252424845206240, 461473159094045987499908, -106491663578673234478298880, 24574504905153510156698896190

Sequence: A299954
Name: Coefficients in expansion of 432 * (j^(1/2) + (j - 1728)^(1/2)) / (j^(1/2) - (j - 1728)^(1/2)), where j is the j-function.

$$\frac{432}{e^{2\pi}}$$

Printed: 432/exp(2*Pi)

Value: .80673526009785116783385 5
Number of terms: 428
Offset: -1

Sequence: 1, -120, 10260, -901120, 91676610, -10868097024, 1455225319640, -213263515975680, 33415165837622655, -5507368816607232000, 944071154093581913700, -166969055816397343457280, 30289678318291920442724670, -5611505834651089642200760320

Sequence: A299955
Name: Coefficients in expansion of E_4^(3/2).

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

Printed: 3/8*Pi^3*3^(1/2)/GAMMA(3/4)^12
Value: 1.75645071149452938206022
Number of terms: 428
Offset: 0

Sequence: 1, 360, 24840, -465120, 57417480, -6800282640, 930889890720, -139401582644160, 22250341370421000, -3723955494287559480, 646515765251485521840, -115559140273640812421280, 21150946022800731753255840, -3948247836773858791840263120

Sequence: A302856
Name: Number of ways of writing n as a sum of 32 squares.

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

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

Sequence: A304570

Name: Triangle read by rows: T(n,k) = 1 if k | n^e with e : 1 and n mod k != 0, T(n,k) = 0 otherwise (1 <= k <= n).

$$\frac{1}{e^{36\,\pi}}$$

Printed: 1/exp(36*Pi)
Value: .76287127381723200760882 3e-49
Number of terms: 512
Offset: 1

Sequence: 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 1, 0, 0, 0, 1, 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, 0, 0, 0, 0, 0

Sequence: A305821
Name: a(n) = 1 if n is composite and its binary expansion encodes an irreducible (0,1)-polynomial when factored over Q, 0 otherwise.

$$\frac{1}{e^{48\,\pi}}$$

Printed: 1/exp(48*Pi)
Value: .32354524054389355513391 7e-65
Number of terms: 512
Offset: 1

Sequence: 0, 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,
0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0,
1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 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, 1, 0, 1, 0, 0, 0, 1

Sequence: A305892
Name: a(n) = 1 if n is composite and the n-th Stern polynomial B(n,x) is irreducible, 0 otherwise.

$$\frac{1}{e^{48\,\pi}}$$

Printed: 1/exp(48*Pi)
Value: .32354524054389355513391 7e-65
Number of terms: 512
Offset: 1

Sequence: 0, 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,
0, 0, 0, 0, 0, 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, 0, 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, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1

Sequence: A308285
Name: Coefficients in q-expansion of E_2^6, where E_2 is the Eisenstein series A006352.

$$\frac{729}{\pi^6}$$

Printed: 729/Pi^6
Value: .758277714032676323849493
Number of terms: 512
Offset: 0

Sequence: 1, -144, 8208, -225216, 2634192, 1488672, -209742912, -503961984, 8575185744, 91347182640, 524570699232, 2230073940672, 7794083954880,
23627036677536, 64145226215808, 159373702203264, 368012313906768, 798872890993632, 1644874069475664, 3234829827767616

Sequence: A318880
Name: a(n) = 0 if iteration of the map k -: A034460(k) reaches zero when started from k = n, otherwise 1, when it ends into a cycle.

$$\frac{1}{e^{10\,\pi}}$$

Printed: 1/exp(10*Pi)
Value: .227110106832409383867935e-13
Number of terms: 512
Offset: 1

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, 1, 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, 1, 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, 0, 1, 0, 0, 0, 0, 0,
0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0

Sequence: A318937
Name: a(n) = 16 times the sum of the cubes of the divisors of 2*n+1.

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

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

Sequence: A319078
Name: Expansion of phi(-q) * phi(q)^2 in powers of q where phi() is a Ramanujan theta function.

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

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

Sequence: A319294
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).

$$\frac{768\,\Gamma\left(\frac{3}{4}\right)^4}{\pi\, e^{2\pi}}$$

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

Sequence: A319306
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.

$$\frac{1048576\ \Gamma\left(\frac{3}{4}\right)^{20}}{\pi^5\ e^{4\,\pi}}$$

Printed: 1048576/Pi^5*GAMMA(3/4)^20/exp(4*Pi)
Value: .69666027053668256199140 7
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

Sequence: A319307
Name: Expansion of theta_4(q)^16 in powers of q = exp(Pi i t).

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

Printed: 1/16*Pi^4/GAMMA(3/4)^16
Value: .23547173316739530942473 9
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

Sequence: A319308
Name: Expansion of theta_4(q)^20 in powers of q = exp(Pi i t).

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

Printed: 1/32*Pi^5/GAMMA(3/4)^20
Value: .16403007198935613910583
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

Sequence: A319309
Name: Expansion of theta_4(q)^24 in powers of q = exp(Pi i t).

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

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

Sequence: A319310
Name: Expansion of theta_4(q)^28 in powers of q = exp(Pi i t).

$$\frac{\pi^7}{128\ \Gamma\left(\frac{3}{4}\right)^{28}}$$

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

Sequence: A319552
Name: Expansion of 1/theta_4(q)^3 in powers of q = exp(Pi i t).

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

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

Sequence: A319553
Name: Expansion of 1/theta_4(q)^8 in powers of q = exp(Pi i t).

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

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

Sequence: A319554
Name: Expansion of 1/theta_4(q)^12 in powers of q = exp(Pi i t).

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

Printed: 8/Pi^3*GAMMA(3/4)^12
Value: 2.9583252115770034504 3614

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

Sequence: A320049
Name: Expansion of (psi(x) / phi(x))^6 in powers of x where phi(), psi() are Ramanujan theta functions.

$$\frac{2^{1/4}}{16\, e^{-\frac{3\pi}{4}}}$$

Printed: 1/16/exp(-3/4*Pi)*2^(1/4)
Value: .784187258591654745930894
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

Sequence: A320050
Name: Expansion of (psi(x) / phi(x))^7 in powers of x where phi(), psi() are Ramanujan theta functions.

$$\frac{2^{5/8}}{32\, e^{-\frac{7\pi}{8}}}$$

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

Sequence: A322437

Name: Number of unordered pairs of factorizations of n into factors > 1 where no factor of one divides any factor of the other.

$$\frac{1}{e^{70\pi}}$$

Printed: 1/exp(70*Pi)
Value: .31164146055672938622641 9e-95
Number of terms: 512
Offset: 1

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 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, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 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, 2

Sequence: A322438
Name: Number of unordered pairs of factorizations of n into factors > 1 where no factor of one properly divides any factor of the other.

$$\frac{1}{e^{70\pi}}$$

Printed: 1/exp(70*Pi)
Value: .311641460556729386226419e-95
Number of terms: 88
Offset: 1

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 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, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0

Sequence: A324870
Name: a(n) = A324863(n) - A252464(n).

$$\frac{1}{e^{48\pi}}$$

Printed: 1/exp(48*Pi)
Value: .323545240543893555133917e-65
Number of terms: 512
Offset: 1

Sequence: 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, 0, 0, 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, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,

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

Sequence: A326168
Name: Number of eggs at iteration n of male/female Langton's ant variation.

$$\frac{1}{e^{\pi}}$$

Printed: 1/exp(Pi)
Value: .43213918263772249774417 9e-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, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0,
0, 0, 0, 0, 0

Sequence: A327159
Name: Size of the cycle containing n in the map x -: usigma(x)-x or 0 if n is not a member of any finite cycle. Here usigma is the sum of unitary \
divisors of n (A034448).

$$\frac{1}{e^{10\,\pi}}$$

Printed: 1/exp(10*Pi)
Value: .22711010683240938386793 5e-13
Number of terms: 512
Offset: 1

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, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 3, 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, 1, 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, 0, 0, 0

Sequence: A328794
Name: Squares visited by a knight moving on a binary numbered single-digit square-spiral board where the knight moves to the smallest numbered unv\
isited square; the minimum distance from the origin is used if the square numbers are equal; the smallest spiral number ordering is used if the distan\
ces are equal.

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

Printed: 1/exp(4*Pi)

Value: .34873423562089954917751 8e-5
Number of terms: 378
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, 1,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1,
1, 0

Sequence: A330373
Name: Sum of all parts of all self-conjugate partitions of n.

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

Printed: 1/24/exp(1/24*Pi)*2^(1/4)
Value: .43470760943528625521995 0e-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

Sequence: A330643
Name: a(n) is the number of partitions of n with Durfee square of size <= 5.

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

Printed: 2^(1/2)/Pi^(1/4)*GAMMA(3/4)/exp(1/12*Pi)
Value: 1.0018744370146240433848 6
Number of terms: 53
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, 17976, 21635, 26010, 31175,
37318, 44547, 53109, 63153, 74996, 88850, 105113, 124078, 146256, 172032,
202056,
236844

Sequence: A335462
Name: Number of (1,2,1) and (2,1,2)-matching permutations of the prime indices of n.

$$\frac{2}{e^{70\pi}}$$

Printed: 2/exp(70*Pi)
Value: .623282921113458772452838e-95
Number of terms: 88
Offset: 1

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A349399
Name: a(n) = A349397(n) + A349398(n).

$$2$$

Printed: 2
Value: 2.
Number of terms: 512
Offset: 1

Sequence: 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, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, -10, 0, 0, 0,
0, 0, 16, 25, 0, 0, 0, 0, 0, 0, -80, 0, 0, 0, -12, 0, 0, 0, 64, 0, -6, 0, 0, 0, 60, 0, 4, 0, 0, 0, 0, 30, 0, 0, -96, 0, 0, 0, 18, 0, 0, 0, -48, 0, -10
, 0, 0, 0, 0, 0, 24, 0, -190

Sequence: A350642
Name: Expansion of Product_{k:=1} (1-q^(2*k))/(1-q^k)^4.

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

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

Sequence: A350643
Name: Expansion of Product_{k:=1} (1-q^(2*k))^2/(1-q^k)^7.

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

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

Sequence: A350644
Name: Expansion of Product_{k:=1} (1-q^(2*k))^3/(1-q^k)^10.

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

Printed: 4/Pi^(7/4)*GAMMA(3/4)^7/exp(1/6*Pi)*2^(1/4)
Value: 1.5772325181345541914861 1
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

Sequence: A353294
Name: A generator matrix for the Leech lattice, multiplied by sqrt(8), read by rows.

Printed: 8
Value: 8.
Number of terms: 512
Offset: 1

Sequence: 8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 4,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 4, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A353473
Name: a(n) = 1 if n is a number of the form p * q^2, where p and q are primes with p < q, otherwise 0.

$$\frac{1}{e^{34\,\pi}}$$

Printed: 1/exp(34*Pi)
Value: .40851120136867567826374 9e-46
Number of terms: 512
Offset: 1

Sequence: 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, 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, 0, 0, 0, 0, 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, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A353625
Name: a(n) = 1 if n is divisible by the squares of two distinct primes, otherwise 0.

$$\frac{1}{e^{70\,\pi}}$$

Printed: 1/exp(70*Pi)
Value: .31164146055629386226419e-95
Number of terms: 512
Offset: 1

Sequence: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 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, 0, 0, 0,
0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0

Sequence: A354995
Name: a(n) = A354933(n) - A034699(n).

$$\frac{1}{e^{58\pi}}$$

Printed: 1/exp(58*Pi)
Value: .734803941450412572937556e-79
Number of terms: 512
Offset: 1

Sequence: 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 8

Sequence: A354996
Name: a(n) = 1 if n : A034699(n)^2, otherwise 0, where A034699(n) is the largest prime power factor of n.

$$\frac{1}{e^{58\pi}}$$

Printed: 1/exp(58*Pi)
Value: .734803941450412572937556e-79
Number of terms: 512
Offset: 1

Sequence: 0, 0, 0, 0, 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, 0, 0, 0, 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, 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, 1, 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, 1, 0, 0, 0, 0, 0, 1

Sequence: A355444
Name: a(n) = 1 if n is of the form p^2 * q where p and q are primes with p < q < p^2, otherwise 0.

$$\frac{1}{e^{22\pi}}$$

Printed: 1/exp(22*Pi)
Value: .963208298267180813871222e-30
Number of terms: 512
Offset: 1

Sequence: 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, 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, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1

Sequence: A358754
Name: a(n) = 1 if A053669(n) [the smallest prime not dividing n] is of the form 6m+1, otherwise a(n) = 0.

$$\frac{1}{e^{58\pi}}$$

Printed: 1/exp(58*Pi)
Value: .73480394145041257293755 6e-79
Number of terms: 512
Offset: 1

Sequence: 0, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0,
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, 0, 0, 0, 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, 0, 0, 0, 0, 0, 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, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

Sequence: A360191
Name: G.f. 1 / Product_{n:=1} (1 - x^n)^3 * (1 - x^(2*n-1))^2.

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

Printed: 2^(7/8)/Pi^(3/4)*GAMMA(3/4)^3/exp(1/24*Pi)
Value: 1.2547038002583000343985 8
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

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