FOURIER COEFFICIENTS OF A CLASS OF ETA QUOTIENTS OF WEIGHT 6

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Abstract

Recently,Williams expressed all coefficients of one hundred and twenty-six eta quotients in terms of $\sigma(n), \sigma(\frac{n}{2}), \sigma(\frac{n}{3})$ and $\sigma(\frac{n}{6})$, and Yao, Xia and Jin, expressed only even coefficients of one hundred and four eta quotients in terms of $\sigma_3(n), \sigma_3(\frac{n}{2}), \sigma_3(\frac{n}{3})$ and $\sigma_3(\frac{n}{6})$. The Fourier series expansions of a class of eta quotients in terms of $\sigma_{k-1}(n), \sigma_{k-1}(\frac{n}{2}), \sigma_{k-1}(\frac{n}{3})$ and $\sigma_{k-1}(\frac{n}{6})$ for $k = 6, 8, 10, 12, 14, 16, 18, 20, 22, 24$ have been expressed by the author. The Fourier series expansions of a class of eta quotients in $M_2(\Gamma_0, \chi)$ in terms of $\sigma(n), \sigma(\frac{n}{2}), \sigma(\frac{n}{3})$ and $\sigma(\frac{n}{6})$ has been found by Alaca and the Fourier series expansions of a class of eta quotients in $M_4(\Gamma_0, \chi)$ in terms of $\sigma_3(n), \sigma_3(\frac{n}{2}), \sigma_3(\frac{n}{3})$ and $\sigma_3(\frac{n}{6})$ has been determined by the author. Here, we will determine the coefficients of the Fourier series expansions of a class of eta quotients in $M_6(\Gamma_0, \chi)$ in terms of $\sigma_5(n), \sigma_5(\frac{n}{2}), \sigma_5(\frac{n}{3}), \sigma_5(\frac{n}{6})$ and Fourier coefficients of the eight eta quotients.

Keywords: Fourier series; Dedekind eta function; Eta quotients.
Mathematics Subject Classification 2010: 11E45,11F30

1. Introduction

The divisor function $\sigma_i(n)$ is defined for a positive integer i by

$$\begin{aligned} \sigma_i(n) &:= \sum_{d \text{ positive integer}, d|n} d^i, \text{ if } n \text{ is a positive integer, and} \\ \sigma_i(n) &:= 0, \text{ if } n \text{ is not a positive integer.} \end{aligned}$$

The Dedekind eta function is defined by

$$\eta(z) := q^{1/24} \prod_{n=1}^{\infty} (1 - q^n),$$

where

$$q := e^{2\pi iz}, z \in H = \{x + iy : y > 0\},$$

and an eta quotient of level n is defined by

$$f(z) := \prod_{m|n} \eta(mz)^{a_m}, n, m \in \mathbb{N}, a_m \in Z.$$

Since the eta quotients play important role in modular forms, explicit formulas for the Fourier coefficients of eta quotients have been investigated by many mathematicians. The book of Köhler [1] (Chapter 3, pg.39) describes such expansions by means of Hecke Theta series, and it develops algorithms for the determination of suitable eta quotients. One can find more information in [2], [3], [4], [5] and [6]. The author has also determined the Fourier coefficients of the theta series associated with some quadratic forms, see [8], [9], [10], [11], [12] and [13].

Recently, Williams, see [14] discovered explicit formulas for the coefficients of Fourier series expansions of a class of one hundred and twenty-six eta quotients in terms of $\sigma(n), \sigma(\frac{n}{2}), \sigma(\frac{n}{3})$ and $\sigma(\frac{n}{6})$. One example is as follows:

$$\frac{\eta^2(2z)\,\eta^4(4z)\,\eta^6(6z)}{\eta^2(z)\,\eta^2(3z)\,\eta^4(12z)} = 1 + \sum_{n=1}^{\infty} c(n)q^n,$$

where

$$c(n) = 2\sigma(n) - 3\sigma(n/2) + 4\sigma(n/4) + 9\sigma(n/6) - 36\sigma(n/12).$$

Then Yao, Xia and Jin [15] expressed the even Fourier coefficients of one hundred and four eta quotients in terms of $\sigma_3(n), \sigma_3(\frac{n}{2}), \sigma_3(\frac{n}{3})$ and $\sigma_3(\frac{n}{6})$. One example is as follows:

$$\frac{\eta^{25}(2z)\,\eta^4(3z)}{\eta^{12}(z)\,\eta^5(4z)\,\eta^3(6z)\,\eta(12z)} = 1 + \sum_{n=1}^{\infty} c(n)q^n,$$

where

$$c(2n) = 65\sigma_3(n) - 68\sigma_3(n/2) - 81\sigma_3(n/3) + 324\sigma_3(n/6).$$

Then the author determined the even and odd coefficients of the Fourier series expansions of a class of eta quotients in terms of $\sigma_{k-1}(n), \sigma_{k-1}(\frac{n}{2}), \sigma_{k-1}(\frac{n}{3})$ and $\sigma_{k-1}(\frac{n}{6})$ for $k = 6[16], 8[17], 10[18], 12[19], 14[20], 16[21],$

$18[22], 20[23], 22[24], 24[25]$. The Fourier series expansions of a class of eta quotients in $M_2(\Gamma_0, \chi)$ in terms of $\sigma(n), \sigma(\frac{n}{2}), \sigma(\frac{n}{3})$ and $\sigma(\frac{n}{6})$ has been found by

Alaca[27] and the Fourier series expansions of a class of eta quotients in $M_4(\Gamma_0,\chi)$ in terms of $\sigma_3(n),\sigma_3(\frac{n}{2}),\sigma_3(\frac{n}{3})$ and $\sigma_3(\frac{n}{6})$ has been determined by the author[26]. Here, we will determine the coefficients of the Fourier series expansions of a class of eta quotients in $M_6(\Gamma_0,\chi)$ in terms of $\sigma_5(n),\sigma_5(\frac{n}{2}),\sigma_5(\frac{n}{3}),\sigma_5(\frac{n}{6})$ and Fourier coefficients of the eight eta quotients. The calculations have been done by Magma.

Here we give the following Lemma, see[[28] Theorem 1.64] about the modularity of an eta quotient.

Lemma 1. *An eta quotient of level N is a meromorphic modular form of weight $\frac{1}{2}\sum_{m|N} a_m$ on $\Gamma_0(N)$,with Dirichlet character χ, having rational coefficients with respect to q if*

$$a)\sum_{m|N} a_m \text{ is even,}$$

$$b)\sum_{m|N} m a_m \equiv \sum_{m|N}\frac{N}{m}a_m \equiv 0 \mod 24,$$

$$c)\chi(m)=\left(\frac{(-1)^k\prod_{m|N} m^{a_m}}{m}\right).$$

Now,

$r_1+2r_2+3r_3+4r_4+6r_6+12r_{12}\equiv 0 \bmod 24 \Longrightarrow 13(r_1+r_{12})+8(r_2+r_6)+7(r_3+r_4)\equiv 0 \bmod 24$

$12r_1+6r_2+4r_3+3r_4+2r_6+r_{12}\equiv 0 \bmod 24 \Longrightarrow 11(r_1-r_{12})+4(r_2-r_6)+(r_3-r_4)\equiv 0 \bmod 24$

$r_1+r_2+r_3+r_4+r_6+r_{12}=2k \Longrightarrow r_1+r_{12}=2k-r_2-r_3-r_4-r_6 \Longrightarrow$

$$\begin{aligned} 13(2k-r_2-r_3-r_4-r_6)+8(r_2+r_6)+7(r_3+r_4) &\equiv 0 \bmod 24 \\ 13*2k-6(r_3+r_4)-5(r_2+r_6) &\equiv 0 \bmod 24 \Longrightarrow \end{aligned}$$

$5(r_2+r_6)\equiv 0 \bmod 2 \Longrightarrow$

$$(r_2+r_6)\equiv 0 \bmod 2$$

$\Longrightarrow$the power of 2 is always even. So, if

$$r_3+r_6+r_{12}\equiv 0 \bmod 2$$

the eta quotient is in $M_6(\Gamma_0(12))$ and if

$$r_3 + r_6 + r_{12} \equiv 1 \bmod 2$$

the eta quotient is in $M_6(\Gamma_0(12), \chi_3)$, where $\chi_3(m) = \left(\frac{3}{m}\right) = \left(\frac{12}{m}\right)$, i.e., the primitive character mod 12.

Let χ_0 be the trivial character mod 1 i.e. it sends n to 1, $\chi_1 = \left(\frac{-4}{m}\right)$ be the primitive character mod 4 and, $\chi_2 = \left(\frac{-3}{m}\right)$ be the primitive character mod 3. Obviously, $\chi_3 = \chi_0 * \chi_3, \chi_3 = \chi_3 * \chi_0, \chi_3 = \chi_1 * \chi_2, \chi_3 = \chi_2 * \chi_1$.

Let ψ, ϕ are primitive characters modulo L and M respectively and $LMt|N$. Then $E_k^{\psi,\phi}(tz)$ generates the Eisenstein subspace of $M_k(\Gamma_0(12), \chi), \chi = \psi.\phi$, where

$$E_k^{\psi,\phi} = \delta(\psi = 1) - \frac{2k}{B_{k,\phi}} \sum_{n=1}^{\infty} \sigma_{k-1}^{\psi,\phi}(n) q^n, \sigma_{k-1}^{\psi,\phi}(n) = \sum_{0<d|n} \psi\left(\frac{n}{d}\right) \phi(d) d^{k-1}.$$

In particular, since

$$2^{a_2} 3^{a_3} 4^{a_4} 6^{a_6} 12^{a_{12}} = 2^{a_2+2a_4+a_6+2a_{12}} 3^{a_3+a_6+a_{12}},$$

an eta quotient of level 12 is a meromorphic modular form of weight 6 if

$$a_1 + a_2 + a_3 + a_4 + a_6 + a_{12} = 12$$

and

$$a_1 + 2a_2 + 3a_3 + 4a_4 + 6a_6 + 12a_{12} \equiv 12a_1 + 6a_2 + 4a_3 + 3a_4 + 2a_6 + a_{12} \equiv 0 \bmod 24.$$

Since $a_2 + a_6$ is an even integer, we conclude that it is a meromorphic modular form iff $a_3 + a_6 + a_{12}$ is an even integer, and it is a meromorphic modular form with χ_3 iff $a_3 + a_6 + a_{12}$ is an odd integer, where χ_3 is the unique primitive Dirichlet character mod 12. On the other hand, the modular forms are holomorphic iff its order at cusps, $\frac{1}{1}, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{6}$ and $\frac{1}{12}$ are nonnegative, see [1] i.e.,

$$\sum_{m|12} \frac{(\gcd(c,m))^2}{m} a_m \geq 0 \text{ for } c|12.$$

Theorem 1. *Let χ_0 be the trivial character mod 1, i.e., it sends n to 1, χ_1 be the primitive Dirichlet character mod 4, and χ_2 is the primitive Dirichlet character mod 3. Then the Eisenstein subspace of $M_6\left(\Gamma_0\left(12\right),\chi_3\right)$ is generated by*

$$E_6^{\chi_1,\chi_2}=\sum_{n=1}^{\infty}(\sum_{0<d|n}\chi_1\left(\frac{n}{d}\right)\chi_2\left(d\right)d^5)q^n=,$$

$$E_6^{\chi_2,\chi_1}=\sum_{n=1}^{\infty}(\sum_{0<d|n}\chi_2\left(\frac{n}{d}\right)\chi_1\left(d\right)d^5)q^n=,$$

$$E_6^{\chi_0,\chi_3}=-\frac{B_{6,\chi_3}}{12}+\sum_{n=1}^{\infty}(\sum_{0<d|n}\chi_0\left(\frac{n}{d}\right)\chi_3\left(d\right)d^5)q^n=-1631+\sum_{n=1}^{\infty}(\sum_{0<d|n}\chi_3\left(d\right)d^5)q^n$$

$$E_6^{\chi_3,\chi_0}=\sum_{n=1}^{\infty}(\sum_{0<d|n}\chi_3\left(\frac{n}{d}\right)d^5)q^n=$$

and the cuspidal subspace $S_6\left(\Gamma_0\left(12\right),\chi_3\right)$ is generated by

$$g_1:=\sum_{n=0}^{\infty}g_1\left(n\right)q^n=\frac{\eta^{25}\left(2z\right)\eta^{13}\left(3z\right)\eta^{7}\left(12z\right)}{\eta^{11}\left(z\right)\eta^{9}\left(4z\right)\eta^{13}\left(6z\right)};$$

$$g_2:=\sum_{n=0}^{\infty}g_2\left(n\right)q^n=\frac{\eta^{29}\left(2z\right)\eta^{5}\left(3z\right)\eta^{5}\left(12z\right)}{\eta^{11}\left(z\right)\eta^{11}\left(4z\right)\eta^{5}\left(6z\right)},$$

$$g_3:=\sum_{n=0}^{\infty}g_3\left(n\right)q^n=\frac{\eta^{21}\left(2z\right)\eta^{10}\left(3z\right)\eta^{2}\left(12z\right)}{\eta^{10}\left(z\right)\eta^{2}\left(4z\right)\eta^{9}\left(6z\right)},$$

$$g_4:=\sum_{n=0}^{\infty}g_4\left(n\right)q^n=\frac{\eta^{29}\left(2z\right)\eta^{5}\left(3z\right)\eta^{5}\left(12z\right)}{\eta^{10}\left(z\right)\eta^{4}\left(4z\right)\eta\left(6z\right)}$$

$$g_5:=\sum_{n=0}^{\infty}g_1\left(n\right)q^n=\frac{\eta^{19}\left(2z\right)\eta^{7}\left(3z\right)\eta\left(4z\right)\eta\left(12z\right)}{\eta^{9}\left(z\right)\eta^{7}\left(6z\right)},$$

$$g_6:=\sum_{n=0}^{\infty}g_2\left(n\right)q^n=\frac{\eta^{18}\left(2z\right)\eta^{12}\left(3z\right)\eta^{9}\left(12z\right)}{\eta^{8}\left(z\right)\eta^{7}\left(4z\right)\eta^{12}\left(6z\right)},$$

$$g_7:=\sum_{n=0}^{\infty}g_3\left(n\right)q^n=\frac{\eta^{8}\left(2z\right)\eta^{3}\left(3z\right)\eta^{10}\left(4z\right)}{\eta^{5}\left(z\right)\eta^{2}\left(6z\right)\eta^{2}\left(12z\right)},$$

$$g_8:=\sum_{n=0}^{\infty}g_4\left(n\right)q^n=\frac{\eta^{11}\left(2z\right)\eta^{11}\left(3z\right)\eta^{11}\left(12z\right)}{\eta^{5}\left(z\right)\eta^{5}\left(4z\right)\eta^{11}\left(6z\right)}.$$

Proof: Since

$$\chi_3 = \chi_0 * \chi_3, \chi_3 = \chi_3 * \chi_0, \chi_3 = \chi_1 * \chi_2, \chi_3 = \chi_2 * \chi_1,$$

the Eisenstein subspace of $M_6\left(\Gamma_0\left(12\right), \chi_3\right)$ is generated by

$E_6^{\chi_1,\chi_2}, E_6^{\chi_2,\chi_1}, E_6^{\chi_0,\chi_3}$ and $E_6^{\chi_3,\chi_0}$. Since $g_1, g_2, g_3, g_4, g_5, g_6, g_7$ and g_8 are in $S_6\left(\Gamma_0\left(12\right), \chi_3\right)$, linearly independent and $\dim(S_6\left(\Gamma_0\left(12\right), \chi_3\right))= 8$, it follows. Let

$$\delta(b_1) = \begin{cases} 0 \text{ if } b_1 \neq 0 \\ 1 \text{ if } b_1 = 0 \end{cases}.$$

2. CONCLUSIONS:

Now we can state our main Conclusion:

Theorem 2. *The coefficients of the Fourier series of three hundred and thirty-six eta quotients*

$$\eta^{a_1}\left(z\right)\eta^{a_2}\left(2z\right)\eta^{a_3}\left(3z\right)\eta^{a_4}\left(4z\right)\eta^{a_6}\left(6z\right)\eta^{a_{12}}\left(12z\right) = \delta\left(b_1\right) + \sum_{n=1}^{\infty} c(n)q^n$$

in $M_6\left(\Gamma_0\left(12\right), \chi_3\right)$ *are given in the form*

$$\begin{aligned} &c_1\sigma_5(n) + c_2\sigma_5(\frac{n}{2}) + c_3\sigma_5(\frac{n}{3}) + c_4\sigma_5(\frac{n}{4}) + c_6\sigma_5(\frac{n}{6}) + c_{12}\sigma_5(\frac{n}{12}) \\ &+r_1g_1\left(n\right) + r_2g_2\left(n\right) + r_3g_3\left(n\right) + r_4g_4\left(n\right) + r_5g_5\left(n\right) + r_6g_6\left(n\right) + r_7g_7\left(n\right) + r_8g_8\left(n\right) \end{aligned}$$

as in the Table 1 and Table 2 in Appendix.

Remark 1: $S_6(\Gamma_0(12), \chi_3)$ is 8 dimensional, see [29] (Chapter 3, pg.87 and Chapter 5, pg.197), and it is generated by Δ_t,and its seven conjugates, where $\Delta_t = q + \frac{1}{21\,763\,831\,608\,962\,470\,559\,744}(-178320621t^7 + 23749714462t^6 - 13326972019060t^5 + 1989742799742648t^4 - 260950200807169008t^3 + 41552143584951829664t^2 - 17896752539970899716 48t + 1362819660392826022283 52)q^2 + \frac{1}{4080\,718\,426\,680\,463\,229\,952}(-286568459t^7 - 17200361354t^6 - 23936045735436t^5 - 11737392697621 20t^4 - 5347808202064327 20t^3 - 16788912751721707872t^2 - 3114916013691059660608t - 2443370859330385421401 6)q^3 + \frac{1}{5440\,957\,902\,240\,617\,639\,936}(-297306049t^7 - 45775743768t^6 - 27020826355324t^5 - 3226223558831120t^4 -$

$709426025508846320t^3 - 4033756701668499276 8t^2 - 484822990256633096096 0t +$
$1272637636292844486028 80)q^4 + \frac{1}{3119815310917785344}(49255t^7 +$
$14150369816t^5 + 801124794965200t^3 + 110707964525474702 08t)q^5 +$
$\frac{1}{65291494826887411679232}(3931745657t^7 - 214850068270t^6 +$
$63113658481092t^5 - 16752659124098232t^4 - 11993557146246014160t^3 -$
$4271636961194412056 64t^2 - 2337164085850299024033 92t -$
$3274415553583130491421312)q^6 + \frac{1}{3119815310917785344}(49255t^7 +$
$14150369816t^5 + 801124794965200t^3 + 7950981141629684864t)q^7 +$
$\frac{1}{5440957902240617639936}(6519181t^7 + 346454925050t^6 - 36029517899148t^5 +$
$24749056715421864t^4 - 2533373084031448592t^3 + 3932790347824028149 44t^2 -$
$3682526277248848611385 6t + 7997852356107094741093 12)q^8 +$
$\frac{1}{6239630621835570688}(1734479t^7 + 419960952t^6 + 150566537972t^5 +$
$29598381273680t^4 + 3996288129445712t^3 + 3700694221714219 52t^2 +$
$3856063193259117868 8t - 1136359311379670298880)q^9 +$
$\frac{1}{2720478951120308819968}(4882401393t^7 - 137327231304t^6 +$
$409997558122300t^5 - 9678670676493360t^4 + 9265919148811769840t^3 -$
$1210127010500549783 04t^2 + 5468688612162328553068 8t +$
$2729721328430409930099 20)q^{10} + \frac{1}{40985882715443968}(-3898987t^6 -$
$310547479164t^4 - 6019838491118800t^2 - 1789789325490352288 0)q^{11} + O(q^{12})$

Here,

$$\pm t, \pm t_1 \quad : \quad = \pm \frac{1}{1559907655458892672}(-49255t^7 - 14150369816 \\ t^5 - 801124794965200t^3 - 9510888797088577536t),$$

$$\pm s, \pm s_1 \quad : \quad = \pm \frac{1}{3119815310917785344}(-207t^6 - 14589130t^4 - 182408316832t^2 \\ +9193411862560)s^3 + \frac{1}{20525100729722272}(-27549t^6 \\ -1941622910t^4 - 24276167731424t^2 + 33349767825273824)s$$

are distinct eight conjugate roots of the irreducible polynomial

$$x^8 + 91184x^6 + 2443650912x^4 + 20288134953728x^2 + 8709491417518336,$$

where s is a root of the polynomial

$$x^4 + \frac{1}{8357425156}(-81t^6 - 5708790t^4 - 71377167456t^2 + 596596707145600)x^2 \\ + \frac{1}{4178712578}(-838557t^6 - 59100565630t^4 - 738936091486432t^2 \\ +4816031253239273920).$$

By simple calculation, we see that

$$
\begin{aligned}
g_1 = {} & \frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}[18405805225517t^7 - 2171886499951670t^6 \\
& +1389223503053930484t^5 - 1753440157801375154 16t^4 \\
& +2687893887836501910936 0t^3 - 3414606212361857068032288t^2 \\
& +1535118766837512584474270 08t - 9348203634913081522618176640]\Delta_t \\
& +[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(-18405805225517t^7 - 2171886499951670t^6 \\
& -1389223503053930484t^5 - 1753440157801375154 16t^4 \\
& -2687893887836501910936 0t^3 - 3414606212361857068032288t^2 \\
& -1535118766837512584474270 08t - 9348203634913081522618176640]\Delta_{-t} \\
& [\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(-8595468508333t^7 + 1629169281838262t^6 \\
& -5290533190055546 76t^5 + 1370939092666357566 96t^4 \\
& -5691936988369940525040t^3 + 2936364017812039793774880t^2 \\
& -1676881538219482897152147 2t + 1079253481961291318251484 0704)]\Delta_{t_1} \\
& [\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(8595468508333t^7 + 1629169281838262t^6 \\
& +5290533190055546 76t^5 + 1370939092666357566 96t^4 \\
& +5691936988369940525040t^3 + 2936364017812039793774880t^2 \\
& +1676881538219482897152147 2t + 1079253481961291318251484 0704)]\Delta_{-t_1} \\
& [\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(1783378683t^6 + 125690548045970t^4 \\
& +1571512578937675808t^2 + 8184219320187441631136)s^3 \\
& +\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(-1369287t^6 - 96505826330t^4 \\
& -1206615154250912t^2 + 565465805123206624)s^2 \\
& +\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(1492675443t^6 + 105202106694370t^4 \\
& +1315345000647777568t^2 + 3827468676893124584110240)s \\
& +\frac{1}{544\,223\,493\,605\,996\,199\,936}(-191763063t^6 - 13515247610170t^4 \\
& -1689815340694626 88t^2 + 3973339295096080721 60)]\Delta_s \\
& [\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(-1783378683t^6 - 125690548045970t^4 \\
& -1571512578937675808t^2 - 8184219320187441631136)s^3 \\
& +\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(-1369287t^6 - 96505826330t^4 \\
& -1206615154250912t^2 + 565465805123206624)s^2 \\
& +\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(-1492675443t^6 - 105202106694370t^4 \\
& -1315345000647777568t^2 - 3827468676893124584110240)s \\
& +\frac{1}{544\,223\,493\,605\,996\,199\,936}(-191763063t^6 - 13515247610170t^4 \\
& -1689815340694626 88t^2 + 3973339295096080721 60)]\Delta_{-s} \\
& +[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(1487636613t^6 + 104846975554670t^4 \\
& +1310904785676267488t^2 - 7192253169096858050464)s^3 \\
& +\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(1369287t^6 + 96505826330t^4 \\
& +1206615154250912t^2 - 565465805123206624)s^2 \\
& +\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(631481820813t^6 + 44506137084432670t^4 \\
& +5564615267850529266 88t^2 - 3972885786895603606313120)s
\end{aligned}
$$

$$+\frac{1}{544\,223\,493\,605\,996\,199\,936}\,(237061719t^6+16707846553210t^4$$
$$+208898691536669344t^2-517887063447802839008)]\Delta_{s_1}$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}\,(-1487636613t^6-104846975554670t^4$$
$$-1310904785676267488t^2+7192253169096858050464)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}\,(1369287t^6+96505826330t^4$$
$$+1206615154250912t^2-565465805123206624)s^2$$
$$+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}\,(-631481820813t^6-44506137084432670t^4$$
$$-5564615267850529266688t^2+39728857868956036063131 20)s$$
$$+\frac{1}{544\,223\,493\,605\,996\,199\,936}\,(237061719t^6+16707846553210t^4$$
$$+208898691536669344t^2-517887063447802839008)]\Delta_{-s_1}$$
$$g_2=[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}\,(-3906110899541t^7-792937760742226t^6$$
$$-3681318300749540 04t^5-5464942072713774362 4t^4$$
$$-10293213416325939858288t^3-749156960089391542216800t^2$$
$$-980709415671147924600028864t-981136658832717034740842 24)]\Delta_t$$
$$+[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}\,(3906110899541t^7-792937760742226t^6$$
$$+368131830074954004t^5-546494207271377436 24t^4$$
$$+10293213416325939858288t^3-749156960089391542216800t^2$$
$$+980709415671147924600028864t-981136658832717034740842 24)]\Delta_{-t}$$
$$+[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}\,(-2749868196779t^7+291968020945234t^6$$
$$-1239665646000381 24t^5+193416300992899663 44t^4$$
$$+2384189540451134610288t^3+307702626658790981363808t^2$$
$$+7290121664708413914351507 2t+143134245176003938953254 3360)]\Delta_{t_1}$$
$$+[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}\,(2749868196779t^7+291968020945234t^6$$
$$+1239665646000381 24t^5+193416300992899663 44t^4$$
$$-2384189540451134610288t^3+307702626658790981363808t^2$$
$$-7290121664708413914351507 2t+143134245176003938953254 3360)]\Delta_{-t_1}$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}\,(-1799480403t^6-126825379380770t^4$$
$$-1585701408132362528t^2-448422554141672694944)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}\,(75987t^6+5355479330t^4+66959713870112t^2$$
$$-879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}\,(-387450261675t^6$$
$$-27307063942563250t^4-341421014919104864800t^2$$
$$-3123566724963539699675 20)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}\,(86885235t^6$$
$$+6123574823650t^4+76563234173443360t^2-479351860860983684960)]\Delta_s$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}\,(1799480403t^6+126825379380770t^4$$
$$+1585701408132362528t^2+448422554141672694944)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}\,(75987t^6+5355479330t^4+66959713870112t^2$$
$$-879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}\,(387450261675t^6$$
$$+27307063942563250t^4+341421014919104864800t^2$$
$$+3123566724963539699675 20)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}\,(86885235t^6$$
$$+6123574823650t^4+76563234173443360t^2-479351860860983684960)]\Delta_{-s}$$

$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(1353796947t^6+95414104605730t^4$
$+1192965325770871072t^2-35649987214858854281 6)s^3$
$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(-75987t^6-5355479330t^4-669597138701 12t^2$
$+879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(441187534251t^6$
$+31094407205639090t^4+3887742779226341053 76t^2$
$-584951403977814626733664)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}(-45071091t^6$
$-3176560414690t^4-39716627280637216t^2+36807204491803466940 8)]\Delta_{s_1}$
$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(-1353796947t^6-95414104605730t^4$
$-1192965325770871072t^2+35649987214858854281 6)s^3$
$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(-75987t^6-5355479330t^4-669597138701 12t^2$
$+879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(-441187534251t^6$
$-31094407205639090t^4-3887742779226341053 76t^2$
$+584951403977814626733664)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}(-45071091t^6$
$-3176560414690t^4-39716627280637216t^2+36807204491803466940 8)]\Delta_{-s_1},$
$g_3=[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(3145098595131t^7-313205339721206t^6$
$+242338944003937692t^5-2320316012696099887 2t^4$
$+474163670328231172507 2t^3-3774292941961059678031 68t^2$
$+225726436135582479532214 40t-3757348396791943170289 72^2)]\Delta_t$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(-3145098595131t^7-313205339721206t^6$
$-242338944003937692t^5-2320316012696099887 2t^4$
$-474163670328231172507 2t^3-3774292941961059678031 68t^2$
$-225726436135582479532214 40t-3757348396791943170289 72^2)]\Delta_{-t}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(442266539673t^7+125341687297334t^6$
$+71452314493710228t^5+99627386415180823 92t^4+2952937833467867510448t^3$
$+211883919159630757483296t^2+2687713960375845521107910 4t+$
$1147373544357660719298179200)]\Delta_{t_1}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(-442266539673t^7+125341687297334t^6$
$-71452314493710228t^5+99627386415180823 92t^4-2952937833467867510448t^3$
$+211883919159630757483296t^2-2687713960375845521107910 4t$
$+1147373544357660719298179200)]\Delta_{-t_1}$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(133593543t^6+9415524473370t^4$
$+117722576416683168t^2+3294826510370397957 44)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(-69399t^6-4891164410t^4-61154370917024t^2$
$-132283253643927584)s^2+\frac{1}{9532\,558\,244\,725\,562\,105\,167\,872}(8807062563t^6$
$+620711983815170t^4+7760779992033574688t^2+13581961508460320357750 4)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(7235361t^6+509940203990t^4$
$+63757972061192736t^2-6191908584589200361 6)]\Delta_s$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(-133593543t^6-9415524473370t^4$
$-117722576416683168t^2-3294826510370397957 44)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(-69399t^6-4891164410t^4-61154370917024t^2$

$-132283253643927584)s^2+\frac{1}{9532\,558\,244\,725\,562\,105\,167\,872}(-8807062563t^6$
$-620711983815170t^4-7760779992033574688t^2-13581961508460320357750 4)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(7235361t^6+509940203990t^4$
$+63757972061927 36t^2-61919085845892003616)]\Delta_{-s}$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(260273997t^6+18343822115230t^4$
$+229353341584091872t^2-208211380249084605600)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(69399t^6+4891164410t^4+61154370917024t^2$
$+132283253643927584)s^2+\frac{1}{501\,713\,591\,827\,661\,163\,429\,888}(3527810019t^6$
$+248636130350210t^4+3108704771347130144t^2-7938285563140978866528)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(8444943t^6+595190199370t^4$
$+74416803786095 68t^2+42865133767535964448)]\Delta_{s_1}$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(-260273997t^6-18343822115230t^4$
$-229353341584091872t^2+208211380249084605600)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(69399t^6+4891164410t^4+61154370917024t^2$
$+132283253643927584)s^2+\frac{1}{501\,713\,591\,827\,661\,163\,429\,888}(-3527810019t^6$
$-248636130350210t^4-3108704771347130144t^2+7938285563140978866528)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(8444943t^6+595190199370t^4$
$+74416803786095 68t^2+42865133767535964448)]\Delta_{-s_1}$
$g_4=[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(940442781209t^7-61975998863494t^6$
$+754242270770741 88t^5-399544276373450892 0t^4+156881557220672690635 2t^3$
$-413208036337605528056 64t^2+769586178755923181864 3776t$
$+216661492569248979803708800)]\Delta_t$
$+[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(-940442781209t^7-61975998863494t^6$
$-754242270770741 88t^5-399544276373450892 0t^4-156881557220672690635 2t^3$
$-413208036337605528056 64t^2-769586178755923181864 3776t$
$+216661492569248979803708800)]\Delta_{-t}$
$+[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(656910706781t^7-11082088190234t^6$
$+617383597851866 52t^5-115361003615995860 0t^4+167647004819784463684 8t^3$
$-230579533248686956520 64t^2+124312921978552208349082 24t$
$+113606660358452234411792000)]\Delta_{t_1}$
$+[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(-656910706781t^7-11082088190234t^6$
$-617383597851866 52t^5-115361003615995860 0t^4-167647004819784463684 8t^3$
$-230579533248686956520 64t^2-124312921978552208349082 24t$
$+113606660358452234411792000)]\Delta_{-t_1}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(177224931t^6+12490616220290t^4$
$+156170537992161056t^2+17486455166050945 1936)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}(22905t^6+1614318950t^4+20183876797280t^2$
$-84384520048145440)s^2+\frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}(23533899021t^6$
$+1658643054223390t^4+20738062361907548896t^2+56951610078639765340000)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}(11413053t^6+804379294270t^4$

$+10057177718088928t^2 - 45287949601123744928)]\Delta_s$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}\,(-177224931t^6 - 12490616220290t^4$
$-156170537992161056t^2 - 174864551660509451936)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}\,(22905t^6 + 1614318950t^4 + 20183876797280t^2$
$-84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}\,(-23533899021t^6$
$-16586430542233390t^4 - 207380623619075488896t^2 - 569516100786397653400000)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}\,(11413053t^6 + 804379294270t^4$
$+10057177718088928t^2 - 45287949601123744928)]\Delta_{-s}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}\,(299288799t^6 + 21093542010410t^4$
$+2637331694312114 24t^2 - 9177965481531042016)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}\,(-22905t^6 - 1614318950t^4 - 20183876797280t^2$
$+84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}\,(64249821369t^6$
$+4528256021396710t^4 + 566169167762123477 44t^2 - 49134391068460337407520)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}\,(-5315157t^6 - 374606359630t^4$
$-4683714212888032t^2 + 40397632559568600992)]\Delta_{s_1}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}\,(-299288799t^6 - 21093542010410t^4$
$-2637331694312114 24t^2 + 9177965481531042016)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}\,(-22905t^6 - 1614318950t^4 - 20183876797280t^2$
$+84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}\,(-64249821369t^6$
$-4528256021396710t^4 - 566169167762123477 44t^2 + 49134391068460337407520)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}\,(-5315157t^6 - 374606359630t^4$
$-4683714212888032t^2 + 40397632559568600992)]\Delta_{-s_1}$

$g_5 = [\frac{1}{4346\,846\,559\,594\,856\,319\,956\,549\,632}\,(8854664201939t^7 - 750786285665134t^6$
$+6908841134386114 68t^5 - 540263980193081502 00t^4$
$+138198106100806911288 48t^3 - 818018371539847205656992t^2$
$+676500064548621540708357 76t - 718536070738302146438846 72)]\Delta_t$
$+[\frac{1}{4346\,846\,559\,594\,856\,319\,956\,549\,632}\,(-8854664201939t^7 - 750786285665134t^6$
$-6908841134386114 68t^5 - 540263980193081502 00t^4$
$-138198106100806911288 48t^3 - 818018371539847205656992t^2$
$-676500064548621540708357 76t - 718536070738302146438846 72)]\Delta_{-t}$
$+[\frac{1}{4346\,846\,559\,594\,856\,319\,956\,549\,632}\,(2466531730877t^7 + 228942806709934t^6$
$+2922271687257740 04t^5 + 172474494486333822 00t^4$
$+995663142448426955083 2t^3 + 358170107549638288101792t^2$
$+831101563009938375818654 08t + 254734523226084396761058 3680)]\Delta_{t_1}$
$+[\frac{1}{4346\,846\,559\,594\,856\,319\,956\,549\,632}\,(-2466531730877t^7 + 228942806709934t^6$
$-2922271687257740 04t^5 + 172474494486333822 00t^4$
$-995663142448426955083 2t^3 + 358170107549638288101792t^2$
$-831101563009938375818654 08t + 254734523226084396761058 3680)]\Delta_{-t_1}$
$+[\frac{1}{8693\,693\,119\,189\,712\,639\,913\,099\,264}\,(1295182341t^6 + 91283012302190t^4$

$$+1141314158513717216t^2+2494643210153643471968)s^3$$
$$+\frac{1}{27\,573\,990\,342\,703\,807\,463\,424}(-68355t^6-4817584450t^4-60234398536480t^2$$
$$-488817413091396256)s^2+\frac{1}{114\,390\,698\,936\,706\,745\,262\,014\,464}(119836393101t^6$$
$$+8445935834210590t^4+105599781453001482976t^2$$
$$+993997044542827664644960)s+\frac{1}{362\,815\,662\,403\,997\,466\,624}(44043093t^6$$
$$+3104108257870t^4+38810755856063968t^2-232587395234845879712)]\Delta_s$$
$$+[\frac{1}{8693\,693\,119\,189\,712\,639\,913\,099\,264}(-1295182341t^6-91283012302190t^4$$
$$-1141314158513717216t^2-2494643210153643471968)s^3$$
$$+\frac{1}{27\,573\,990\,342\,703\,807\,463\,424}(-68355t^6-4817584450t^4-60234398536480t^2$$
$$-488817413091396256)s^2+\frac{1}{114\,390\,698\,936\,706\,745\,262\,014\,464}(-119836393101t^6$$
$$-8445935834210590t^4-105599781453001482976t^2$$
$$-993997044542827664644960)s+\frac{1}{362\,815\,662\,403\,997\,466\,624}(44043093t^6$$
$$+3104108257870t^4+38810755856063968t^2-232587395234845879712)]\Delta_{-s}$$
$$+[\frac{1}{8693\,693\,119\,189\,712\,639\,913\,099\,264}(2294842923t^6+161737979387570t^4$$
$$+2022214661730710048t^2-1336167127066942380640)s^3$$
$$+\frac{1}{27\,573\,990\,342\,703\,807\,463\,424}(68355t^6+4817584450t^4+60234398536480t^2$$
$$+488817413091396256)s^2+\frac{1}{114\,390\,698\,936\,706\,745\,262\,014\,464}(560288345283t^6$$
$$+394885000329399970t^4+4937258647519733174 08t^2$$
$$-1058062655746120709875040)s+\frac{1}{362\,815\,662\,403\,997\,466\,624}(-486693t^6$$
$$-34301581870t^4-428873676057568t^2+20737483589527335 5168)]\Delta_{s_1}$$
$$+[\frac{1}{8693\,693\,119\,189\,712\,639\,913\,099\,264}(-2294842923t^6-161737979387570t^4$$
$$-2022214661730710048t^2+1336167127066942380640)s^3$$
$$+\frac{1}{27\,573\,990\,342\,703\,807\,463\,424}(68355t^6+4817584450t^4+60234398536480t^2$$
$$+488817413091396256)s^2+\frac{1}{114\,390\,698\,936\,706\,745\,262\,014\,464}(-560288345283t^6$$
$$-394885000329399970t^4-4937258647519733174 08t^2$$
$$+1058062655746120709875040)s+\frac{1}{362\,815\,662\,403\,997\,466\,624}(-486693t^6$$
$$-34301581870t^4-428873676057568t^2+20737483589527335 5168)]\Delta_{-s_1}$$

$$g_6=[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(-3906110899541t^7-7929377607422 26t^6$$
$$-3681318300749540 04t^5-5464942072713774362 4t^4$$
$$-1029321341632593985882 88t^3-7491569600893915422 16800t^2$$
$$-9807094156711479246002 8864t-9811366588327170347 4084224)]\Delta_t$$
$$+[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(3906110899541t^7-7929377607422 26t^6$$
$$+3681318300749540 04t^5-5464942072713774362 4t^4$$
$$+1029321341632593985882 88t^3-7491569600893915422 16800t^2$$
$$+9807094156711479246002 8864t-9811366588327170347 4084224)]\Delta_{-t}$$
$$+[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(-2749868196779t^7+2919680209452 34t^6$$
$$-1239665646000381 24t^5+1934163009928996634 4t^4$$
$$+2384189540451134610288t^3+3077026266587909813 63808t^2$$
$$+7290121664708413914351507 2t+1431342451760039389532543360)]\Delta_{t_1}$$

$$+[\frac{1}{6520\,269\,839\,392\,284\,479\,934\,824\,448}(27498681967 79t^7+2919680209452 34t^6$$
$$+1239665646000381 24t^5+19341630099289966344t^4$$
$$-2384189540451134610288t^3+3077026266587909813638 08t^2$$
$$-7290121664708413914351507 2t+1431342451760039389532543360)]\Delta_{-t_1}$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(-1799480403t^6-126825379380770t^4$$
$$-1585701408132362528t^2-44842255414167269 4944)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(75987t^6+5355479330t^4+66959713870112t^2$$
$$-879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(-387450261675t^6$$
$$-27307063942563250t^4-3414210149191048648 00t^2$$
$$-3123566724963539699675 20)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}(86885235t^6$$
$$+6123574823650t^4+76563234173443360t^2-4793518608609836849 60)]\Delta_s$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(1799480403t^6+126825379380770t^4$$
$$+1585701408132362528t^2+44842255414167269 4944)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(75987t^6+5355479330t^4+66959713870112t^2$$
$$-879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(387450261675t^6$$
$$+27307063942563250t^4+3414210149191048648 00t^2$$
$$+3123566724963539699675 20)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}(86885235t^6$$
$$+6123574823650t^4+76563234173443360t^2-4793518608609836849 60)]\Delta_{-s}$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(1353796947t^6+95414104605730t^4$$
$$+1192965325770871072t^2-3564998721485885428 16)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(-75987t^6-5355479330t^4-66959713870112t^2$$
$$+879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(441187534251t^6$$
$$+31094407205639090t^4+3887742779226341053 76t^2$$
$$-5849514039778146267336 64)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}(-45071091t^6$$
$$-3176560414690t^4-39716627280637216t^2+3680720449180346694 08)]\Delta_{s_1}$$
$$+[\frac{1}{13\,040\,539\,678\,784\,568\,959\,869\,648\,896}(-1353796947t^6-95414104605730t^4$$
$$-1192965325770871072t^2+3564998721485885428 16)s^3$$
$$+\frac{1}{41\,360\,985\,514\,055\,711\,195\,136}(-75987t^6-5355479330t^4-66959713870112t^2$$
$$+879513916016687968)s^2+\frac{1}{171\,586\,048\,405\,060\,117\,893\,021\,696}(-441187534251t^6$$
$$-31094407205639090t^4-3887742779226341053 76t^2$$
$$+5849514039778146267336 64)s+\frac{1}{544\,223\,493\,605\,996\,199\,936}(-45071091t^6$$
$$-3176560414690t^4-39716627280637216t^2+3680720449180346694 08)]\Delta_{-s_1},$$

$$g_7=[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(3145098595131t^7-313205339721206t^6$$
$$+2423389440039376 92t^5-2320316012696099887 2t^4$$
$$+4741636703282311725072t^3-3774292941961059678031 68t^2$$
$$+2257264361355824795322144 0t-3757348396791943170289 72672)]\Delta_t$$
$$[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(-3145098595131t^7-313205339721206t^6$$
$$-2423389440039376 92t^5-2320316012696099887 2t^4$$
$$-4741636703282311725072t^3-3774292941961059678031 68t^2$$

$-225726436135582479532214 40t-37573483967919431702897 2672)]\Delta_{-t}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(442266539673t^7+125341687297334t^6$
$+71452314493710228t^5+996273864151808239 2t^4+295293783346786751044 8t^3$
$+211883919159630757483296t^2+268771396037584552110791 04t$
$+114737354435766071929817920 0)]\Delta_{t_1}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(-442266539673t^7+125341687297334t^6$
$-71452314493710228t^5+996273864151808239 2t^4-295293783346786751044 8t^3$
$+211883919159630757483296t^2-268771396037584552110791 04t$
$+114737354435766071929817920 0)]\Delta_{-t_1}$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(133593543t^6+9415524473370t^4$
$+117722576416683168t^2+329482651037039795744)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(-69399t^6-4891164410t^4-61154370917024t^2$
$-132283253643927584)s^2+\frac{1}{9532\,558\,244\,725\,562\,105\,167\,872}(8807062563t^6$
$+620711983815170t^4+776077999203357468 8t^2+135819615084603203577504)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(7235361t^6+509940203990t^4$
$+6375797206192736t^2-61919085845892003616)]\Delta_s$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(-133593543t^6-9415524473370t^4$
$-117722576416683168t^2-329482651037039795744)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(-69399t^6-4891164410t^4-61154370917024t^2$
$-132283253643927584)s^2+\frac{1}{9532\,558\,244\,725\,562\,105\,167\,872}(-8807062563t^6$
$-620711983815170t^4-776077999203357468 8t^2-135819615084603203577504)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(7235361t^6+509940203990t^4$
$+6375797206192736t^2-61919085845892003616)]\Delta_{-s}$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(260273997t^6+18343822115230t^4$
$+229353341584091872t^2-208211380249084605600)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(69399t^6+4891164410t^4+61154370917024t^2$
$+132283253643927584)s^2+\frac{1}{501\,713\,591\,827\,661\,163\,429\,888}(3527810019t^6$
$+248636130350210t^4+310870477134713014 4t^2-793828556314097886652 8)s$
$+\frac{938\,327}{10\,078\,212\,844\,555\,485\,184}t^6+595190199370t^4$
$+74416803786095682t^2+428651337675359644 48)]\Delta_{s_1}$
$+[\frac{1}{724\,474\,426\,599\,142\,719\,992\,758\,272}(-260273997t^6-18343822115230t^4$
$-229353341584091872t^2+208211380249084605600)s^3$
$+\frac{1}{6893\,497\,585\,675\,951\,865\,856}(69399t^6+4891164410t^4+61154370917024t^2$
$+132283253643927584)s^2+\frac{1}{501\,713\,591\,827\,661\,163\,429\,888}(-3527810019t^6$
$-248636130350210t^4-310870477134713014 4t^2+793828556314097886652 8)s$
$+\frac{1}{90\,703\,915\,600\,999\,366\,656}(8444943t^6+595190199370t^4$
$+74416803786095682t^2+428651337675359644 48)]\Delta_{-s_1},$

$g_8=[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(940442781209t^7-61975998863494t^6$
$+754242270770741882t^5-399544276373450892 0t^4+156881557220672690635 2t^3$

$-41320803633760552805664t^2 + 7695861787559231818643776t$
$+21666149256924897980370880 0)]\Delta_t$
$+[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(-940442781209t^7 - 61975998863494t^6$
$-75424227077074188t^5 - 3995442763734508920t^4 - 1568815572206726906352t^3$
$-41320803633760552805664t^2 - 7695861787559231818643776t$
$+21666149256924897980370880 0)]\Delta_{-t}$
$+[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(656910706781t^7 - 11082088190234t^6$
$+61738359785186652t^5 - 1153610036159958600t^4 + 1676470048197844636848t^3$
$-23057953324868695652064t^2 + 1243129219785522083490822 4t$
$+11360666035845223441179200 0)]\Delta_{t_1}$
$+[\frac{1}{543\,355\,819\,949\,357\,039\,994\,568\,704}(-656910706781t^7 - 11082088190234t^6$
$-61738359785186652t^5 - 1153610036159958600t^4 - 1676470048197844636848t^3$
$-23057953324868695652064t^2 - 1243129219785522083490822 4t$
$+11360666035845223441179200 0)]\Delta_{-t_1}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(177224931t^6 + 12490616220290t^4$
$+156170537992161056t^2 + 174864551660509451936)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}(22905t^6 + 1614318950t^4 + 20183876797280t^2$
$-84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}(23533899021t^6$
$+1658643054223390t^4 + 20738062361907548896t^2 + 56951610078639765340000)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}(11413053t^6 + 804379294270t^4$
$+10057177718088928t^2 - 45287949601123744928)]\Delta_s$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(-177224931t^6 - 12490616220290t^4$
$-156170537992161056t^2 - 174864551660509451936)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}(22905t^6 + 1614318950t^4 + 20183876797280t^2$
$-84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}(-23533899021t^6$
$-1658643054223390t^4 - 20738062361907548896t^2 - 56951610078639765340000)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}(11413053t^6 + 804379294270t^4$
$+10057177718088928t^2 - 45287949601123744928)]\Delta_{-s}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(299288799t^6 + 21093542010410t^4$
$+263733169431211424t^2 - 9177965481531042016)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}(-22905t^6 - 1614318950t^4 - 20183876797280t^2$
$+84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}(64249821369t^6$
$+4528256021396710t^4 + 56616916776212347744t^2 - 49134391068460337407520)s$
$+\frac{1}{45\,351\,957\,800\,499\,683\,328}(-5315157t^6 - 374606359630t^4$
$-4683714212888032t^2 + 40397632559568600992)]\Delta_{s_1}$
$+[\frac{1}{1086\,711\,639\,898\,714\,079\,989\,137\,408}(-299288799t^6 - 21093542010410t^4$
$-263733169431211424t^2 + 9177965481531042016)s^3$
$+\frac{1}{3446\,748\,792\,837\,975\,932\,928}(-22905t^6 - 1614318950t^4 - 20183876797280t^2$
$+84384520048145440)s^2 + \frac{1}{14\,298\,837\,367\,088\,343\,157\,751\,808}(-64249821369t^6$
$-4528256021396710t^4 - 56616916776212347744t^2 + 49134391068460337407520)s$

$+\frac{1}{45\,351\,957\,800\,499\,683\,328}\,(-5315157t^6-374606359630t^4$
$-4683714212888032t^2+40397632559568600992)]\Delta_{-s_1}.$

These formulas are given to illuminate the relations between our selected 8 eight eta quotients and basic newforms in $S_6(\Gamma_0(12),\chi_3)$.So one can pass from our selected 8 eight eta quotients to basic newforms in $S_6(\Gamma_0(12),\chi_3)$ and vice versa.

Remark 2: The coefficients of the Fourier series of the 60 eta quotients in $M_6\left(\Gamma_0\left(12\right)\right)$ are given in the form

$$\begin{aligned} c(2n) &= -c_1\sigma_5\left(2n\right)-c_2\sigma_5\left(n\right)-c_4\sigma_5\left(\frac{n}{2}\right)-\left(33c_3+c_6\right)\sigma_5\left(\frac{n}{3}\right) \\ &\quad -(c_{12}-32c_3)\sigma_5\left(\frac{n}{6}\right)+r_1f_1(2n)+r_2f_2(2n)+r_3f_3(2n), \end{aligned}$$

$$\begin{aligned} c(2n-1) &= -c_1\sigma_5\left(2n-1\right)-c_3\sigma_5\left(\frac{2n-1}{3}\right) \\ &\quad +r_4f_4(2n-1)+r_5f_5(2n-1)+r_6f_6(2n-1)+r_7f_7(2n-1), n\in\mathbb{N} \end{aligned}$$

and, the coefficients of the Fourier series of the 74 eta quotients in $M_6\left(\Gamma_0\left(12\right)\right)$ are given in the form

$$\begin{aligned} c(2n) &= -c_1\sigma_5\left(2n\right)-c_2\sigma_5\left(n\right)-c_4\sigma_5\left(\frac{n}{2}\right)-\left(33c_3+c_6\right)\sigma_5\left(\frac{n}{3}\right) \\ &\quad -(c_{12}-32c_3)\sigma_5\left(\frac{n}{6}\right)+r_1f_1(2n)+r_2f_2(2n)+r_3f_3(2n), \end{aligned}$$

$$c(2n-1)=-c_1\sigma_5\left(2n-1\right)-c_3\sigma_5\left(\frac{2n-1}{3}\right)=0,$$

exactly as in [16]. But, in this method we didn't need to use (p,k) parametrizations. Here,

$$f_1:=\sum_{n=0}^{\infty}f_1\left(n\right)q^n=\eta\left(2z\right)\eta\left(4z\right)\eta^5\left(6z\right)\eta^5\left(12z\right),$$

$$f_2:=\sum_{n=0}^{\infty}f_2\left(n\right)q^n=\eta^5\left(2z\right)\eta^5\left(4z\right)\eta\left(6z\right)\eta\left(12z\right),$$

$$f_3:=\sum_{n=0}^{\infty}f_3\left(n\right)q^n=\frac{\eta^9\left(2z\right)\eta^9\left(12z\right)}{\eta^3\left(4z\right)\eta^3\left(6z\right)},$$

$$f_4 := \sum_{n=0}^{\infty} f_4(n)\, q^n = \frac{\eta^8(4z)\,\eta^{16}(6z)}{\eta^4(2z)\,\eta^8(12z)},$$

$$f_5 := \sum_{n=0}^{\infty} f_5(n)\, q^n = \eta^{12}(2z),$$

$$f_6 := \sum_{n=0}^{\infty} f_6(n)\, q^n = \frac{\eta^5(2z)\,\eta^{13}(6z)}{\eta(4z)\,\eta^5(12z)},$$

$$f_7 := \sum_{n=0}^{\infty} f_7(n)\, q^n = \frac{\eta^{12}(4z)\,\eta^{24}(6z)}{\eta^{12}(2z)\,\eta^{12}(12z)}.$$

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APPENDIX

Table 1

No	a_1	a_2	a_3	a_4	a_6	a_{12}	c_1	c_2	c_3	c_4	r_1	r_2
1	-14	15	30	-4	-15	0	$\frac{98\,401}{45\,387}$	$-\frac{1}{1681}$	$\frac{97}{1681}$	$-\frac{6211}{45\,387}$	$-\frac{138\,086\,557}{605\,160}$	$-\frac{15\,366\,583}{605\,160}$
2	-13	13	27	-1	-13	-1	$\frac{295\,385}{181\,548}$	$-\frac{1}{1681}$	$\frac{473}{6724}$	$-\frac{7568}{45\,387}$	$-\frac{591\,595\,973}{2420\,640}$	$-\frac{78\,251\,567}{2420\,640}$
3	-12	12	24	-3	-6	-3	$\frac{32\,861}{30\,258}$	$-\frac{1}{1681}$	$\frac{279}{3362}$	$-\frac{2975}{15\,129}$	$-\frac{105\,140\,953}{403\,440}$	$-\frac{15\,839\,467}{403\,440}$
4	-12	13	24	-2	-13	2	$\frac{18\,416}{45\,387}$	0	$-\frac{16}{1681}$	$\frac{1024}{45\,387}$	$\frac{7154\,671}{605\,160}$	$\frac{3157\,549}{605\,160}$
5	-11	11	21	1	-11	1	$\frac{4604}{15\,129}$	0	$-\frac{12}{1681}$	$\frac{256}{15\,129}$	$\frac{1656\,289}{201\,720}$	$\frac{795\,691}{201\,720}$
6	-11	12	13	8	-6	-4	$\frac{10\,413}{13\,448}$	$-\frac{1}{1681}$	$\frac{1215}{13\,448}$	$-\frac{360}{1681}$	$-\frac{29\,166\,363}{107\,584}$	$-\frac{4656\,177}{107\,584}$
7	-11	12	21	-4	-6	0	$\frac{49\,109}{181\,548}$	0	$-\frac{43}{6724}$	$\frac{691}{45\,387}$	$\frac{17\,987\,623}{2420\,640}$	$\frac{8475\,157}{2420\,640}$
8	-10	10	10	11	-4	-5	$\frac{31\,293}{53\,792}$	$-\frac{1}{1681}$	$\frac{5103}{53\,792}$	$-\frac{378}{1681}$	$-\frac{592\,483\,707}{2151\,680}$	$-\frac{98\,626\,833}{2151\,680}$
9	-10	10	18	-1	-4	-1	$\frac{9208}{45\,387}$	0	$-\frac{8}{1681}$	$\frac{512}{45\,387}$	$\frac{2783\,063}{605\,160}$	$\frac{1616\,597}{605\,160}$
10	-10	11	10	6	1	-6	$\frac{870}{1681}$	$-\frac{1}{1681}$	$\frac{162}{1681}$	$-\frac{384}{1681}$	$-\frac{4674\,687}{16\,810}$	$-\frac{783\,803}{16\,810}$
11	-10	11	18	0	-11	4	$\frac{1151}{15\,129}$	0	$-\frac{3}{1681}$	$\frac{64}{15\,129}$	$\frac{596\,881}{201\,720}$	$\frac{192\,619}{201\,720}$
12	-9	9	7	9	3	-7	$\frac{10\,467}{26\,896}$	$-\frac{1}{1681}$	$\frac{2673}{26\,896}$	$-\frac{396}{1681}$	$-\frac{300\,820\,077}{1075\,840}$	$-\frac{52\,065\,063}{1075\,840}$
13	-9	9	15	-3	3	-3	$\frac{8185}{60\,516}$	0	$-\frac{21}{6724}$	$\frac{37}{5043}$	$\frac{475\,209}{268\,960}$	$\frac{495\,291}{268\,960}$
14	-9	9	15	3	-9	3	$\frac{1151}{20\,172}$	0	$-\frac{9}{6724}$	$\frac{16}{5043}$	$\frac{664\,121}{268\,960}$	$\frac{192\,619}{268\,960}$
15	-9	10	7	4	8	-8	$\frac{2329}{6724}$	$-\frac{1}{1681}$	$\frac{675}{6724}$	$-\frac{400}{1681}$	$-\frac{15\,162\,475}{53\,792}$	$-\frac{2630\,465}{53\,792}$
16	-9	10	7	10	-4	-2	$\frac{31\,077}{215\,168}$	0	$-\frac{729}{215\,168}$	$\frac{27}{3362}$	$\frac{14\,760\,981}{8606\,720}$	$\frac{17\,115\,039}{8606\,720}$
17	-9	10	15	-2	-4	2	$\frac{2302}{45\,387}$	0	$-\frac{2}{1681}$	$\frac{128}{45\,387}$	$\frac{697\,741}{302\,580}$	$\frac{192\,619}{302\,580}$
18	-8	8	4	7	10	-9	$\frac{3507}{13\,448}$	$-\frac{1}{1681}$	$\frac{1377}{13\,448}$	$-\frac{408}{1681}$	$-\frac{151\,230\,093}{537\,920}$	$-\frac{26\,983\,367}{537\,920}$
19	-8	8	4	13	-2	-3	$\frac{93\,231}{860\,672}$	0	$-\frac{2187}{860\,672}$	$\frac{81}{13\,448}$	$-\frac{31\,967\,217}{34\,426\,880}$	$\frac{54\,976\,077}{34\,426\,880}$
20	-8	8	12	1	-2	1	$\frac{1151}{30\,258}$	0	$-\frac{3}{3362}$	$\frac{32}{15\,129}$	$\frac{798\,601}{403\,440}$	$\frac{192\,619}{403\,440}$
21	-8	8	20	-5	-14	11	$\frac{7999}{1452\,384}$	0	$-\frac{193}{53\,792}$	$\frac{385}{45\,387}$	$\frac{147\,944\,693}{19\,365\,120}$	$\frac{35\,350\,847}{19\,365\,120}$
22	-8	9	4	2	15	-10	$\frac{4685}{20\,172}$	$-\frac{1}{1681}$	$\frac{693}{6724}$	$-\frac{1232}{5043}$	$-\frac{76\,165\,637}{268\,960}$	$-\frac{13\,571\,183}{268\,960}$
23	-8	9	4	8	3	-4	$\frac{10\,359}{107\,584}$	0	$-\frac{243}{107\,584}$	$\frac{9}{1681}$	$-\frac{3551\,913}{4303\,360}$	$\frac{6108\,453}{4303\,360}$
24	-8	9	12	-4	3	0	$\frac{6139}{181\,548}$	0	$-\frac{5}{6724}$	$\frac{77}{45\,387}$	$\frac{21\,017}{11\,808}$	$\frac{214\,627}{484\,128}$
25	-8	9	12	2	-9	6	$\frac{1151}{80\,688}$	0	$-\frac{9}{26\,896}$	$\frac{4}{5043}$	$\frac{395\,161}{1075\,840}$	$\frac{192\,619}{1075\,840}$
26	-8	9	20	2	-9	-2	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{77\,746\,281}{268\,960}$	$-\frac{14\,341\,659}{268\,960}$
27	-7	7	1	5	17	-11	$\frac{589}{3362}$	$-\frac{1}{1681}$	$\frac{351}{3362}$	$-\frac{416}{1681}$	$-\frac{37\,708\,859}{134\,480}$	$-\frac{6915\,521}{134\,480}$
28	-7	7	1	11	5	-5	$\frac{31\,077}{430\,336}$	0	$-\frac{729}{430\,336}$	$\frac{27}{6724}$	$-\frac{61\,489\,179}{17\,213\,440}$	$\frac{20\,745\,999}{17\,213\,440}$
29	-7	7	9	-1	5	-1	$\frac{1151}{45\,387}$	0	$-\frac{1}{1681}$	$\frac{64}{45\,387}$	$\frac{1000\,321}{605\,160}$	$\frac{192\,619}{605\,160}$
30	-7	7	9	5	-7	5	$\frac{1151}{107\,584}$	0	$-\frac{27}{107\,584}$	$\frac{1}{1681}$	$\frac{1353\,583}{4303\,360}$	$\frac{544\,237}{4303\,360}$
31	-7	7	17	5	-7	-3	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{76\,771\,301}{268\,960}$	$-\frac{14\,375\,279}{268\,960}$
32	-7	8	1	0	22	-12	$\frac{9451}{60\,516}$	$-\frac{1}{1681}$	$\frac{705}{6724}$	$-\frac{3760}{15\,129}$	$-\frac{45\,591\,899}{161\,376}$	$-\frac{8316\,977}{161\,376}$
33	-7	8	1	6	10	-6	$\frac{3453}{53\,792}$	0	$-\frac{81}{53\,792}$	$\frac{6}{1681}$	$-\frac{6832\,131}{2151\,680}$	$\frac{2305\,111}{2151\,680}$
34	-7	8	1	12	-2	0	$\frac{46\,629}{1721\,344}$	0	$-\frac{793}{1721\,344}$	$\frac{27}{26\,896}$	$\frac{165\,811\,941}{68\,853\,760}$	$\frac{10\,043\,919}{68\,853\,760}$
35	-7	8	9	0	-2	4	$\frac{1151}{121\,032}$	0	$-\frac{3}{13\,448}$	$\frac{8}{15\,129}$	$\frac{395\,161}{1613\,760}$	$\frac{192\,619}{1613\,760}$
36	-7	8	17	-6	-14	14	$\frac{1427}{968\,256}$	0	$\frac{185}{107\,584}$	$-\frac{62}{15\,129}$	$-\frac{9699\,139}{2582\,016}$	$-\frac{2195\,305}{2582\,016}$
37	-7	8	17	0	-2	-4	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{77\,040\,261}{268\,960}$	$-\frac{14\,375\,279}{268\,960}$
38	-6	6	-2	3	24	-13	$\frac{2383}{20\,172}$	$-\frac{1}{1681}$	$\frac{711}{6724}$	$-\frac{1264}{5043}$	$-\frac{74\,669\,799}{268\,960}$	$-\frac{14\,090\,901}{268\,960}$
39	-6	6	-2	9	12	-7	$\frac{10\,359}{215\,168}$	0	$-\frac{243}{215\,168}$	$\frac{9}{3362}$	$-\frac{54\,385\,353}{8606\,720}$	$\frac{8529\,093}{8606\,720}$
40	-6	6	6	-3	12	-3	$\frac{341}{20\,172}$	0	$-\frac{3}{6724}$	$\frac{17}{15\,129}$	$\frac{1231\,361}{806\,880}$	$\frac{155\,939}{806\,880}$
41	-6	6	6	3	0	3	$\frac{1151}{161\,376}$	0	$-\frac{9}{53\,792}$	$\frac{2}{5043}$	$\frac{563\,261}{2151\,680}$	$\frac{158\,999}{2151\,680}$
42	-6	6	14	-3	-12	13	$\frac{2233}{1936\,512}$	0	$\frac{555}{215\,168}$	$-\frac{185}{30\,258}$	$-\frac{29\,003\,593}{5164\,032}$	$-\frac{6703\,291}{5164\,032}$
43	-6	6	14	3	0	-5	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{75\,796\,321}{268\,960}$	$-\frac{14\,408\,899}{268\,960}$
44	-6	6	22	-3	-12	5	$-\frac{187}{121\,032}$	0	$-\frac{561}{13\,448}$	$\frac{499}{5043}$	$\frac{49\,160\,229}{537\,920}$	$\frac{11\,276\,111}{537\,920}$
45	-6	7	-2	-2	29	-14	$\frac{4786}{45\,387}$	$-\frac{1}{1681}$	$\frac{178}{1681}$	$-\frac{11\,383}{45\,387}$	$-\frac{84\,700\,739}{302\,580}$	$-\frac{15\,841\,961}{302\,580}$
46	-6	7	-2	4	17	-8	$\frac{1151}{26\,896}$	0	$-\frac{27}{26\,896}$	$\frac{4}{1681}$	$-\frac{6042\,817}{1075\,840}$	$\frac{947\,677}{1075\,840}$
47	-6	7	-2	10	5	-2	$\frac{243}{13\,448}$	0	$-\frac{1}{13\,448}$	0	$\frac{467\,505}{215\,168}$	$-\frac{21\,501}{215\,168}$
48	-6	7	6	-2	5	2	$\frac{1151}{181\,548}$	0	$-\frac{1}{6724}$	$\frac{16}{45\,387}$	$\frac{395\,161}{2420\,640}$	$\frac{192\,619}{2420\,640}$
49	-6	7	6	4	-7	8	$\frac{1151}{430\,336}$	0	$-\frac{27}{430\,336}$	$\frac{1}{6724}$	$-\frac{1067\,057}{17\,213\,440}$	$\frac{813\,197}{17\,213\,440}$
50	-6	7	14	-2	5	-6	$\frac{182}{45\,387}$	$-\frac{1}{1681}$	$\frac{182}{1681}$	$-\frac{11\,639}{45\,387}$	$-\frac{85\,491\,061}{302\,580}$	$-\frac{16\,227\,199}{302\,580}$
51	-6	7	14	4	-7	0	0	0	0	0	$-\frac{37}{8}$	$\frac{1}{8}$
52	-5	5	-5	1	31	-15	$\frac{4847}{60\,516}$	$-\frac{1}{1681}$	$\frac{717}{6724}$	$-\frac{3824}{15\,129}$	$-\frac{220\,059\,299}{806\,880}$	$-\frac{42\,960\,521}{806\,880}$
53	-5	5	-5	7	19	-9	$\frac{3453}{107\,584}$	0	$-\frac{81}{107\,584}$	$\frac{3}{1681}$	$-\frac{40\,721\,091}{4303\,360}$	$\frac{3918\,871}{4303\,360}$
54	-5	5	3	1	7	1	$\frac{1151}{242\,064}$	0	$-\frac{3}{26\,896}$	$\frac{4}{15\,129}$	$\frac{899\,461}{3227\,520}$	$\frac{91\,759}{3227\,520}$
55	-5	5	3	7	-5	7	$\frac{3453}{1721\,344}$	0	$-\frac{81}{1721\,344}$	$\frac{3}{26\,896}$	$-\frac{16\,514\,691}{68\,853\,760}$	$\frac{3380\,951}{68\,853\,760}$
56	-5	5	11	-5	-5	11	$\frac{403}{484\,128}$	0	$\frac{185}{53\,792}$	$-\frac{1}{123}$	$-\frac{3217\,409}{430\,336}$	$-\frac{751\,331}{430\,336}$
57	-5	5	11	1	7	-7	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{74\,552\,381}{268\,960}$	$-\frac{14\,442\,519}{268\,960}$
58	-5	5	11	7	-5	-1	0	0	0	0	$-\frac{45}{8}$	$\frac{1}{8}$

59	−5	6	−5	2	24	−10	$\frac{1151}{40\,344}$	0	$-\frac{9}{13\,448}$	$\frac{8}{5043}$	$-\frac{4546\,979}{537\,920}$	$\frac{427\,959}{537\,920}$
60	−5	6	−5	8	12	−4	$\frac{5193}{430\,336}$	0	$\frac{179}{430\,336}$	$-\frac{9}{6724}$	$\frac{27\,519\,273}{17\,213\,440}$	$-\frac{173\,853}{419\,840}$
61	−5	6	3	−4	12	0	$\frac{767}{181\,548}$	0	$-\frac{1}{6724}$	$\frac{19}{45\,387}$	$\frac{483\,121}{2420\,640}$	$\frac{82\,579}{2420\,640}$
62	−5	6	3	2	0	6	$\frac{1151}{645\,504}$	0	$-\frac{9}{215\,168}$	$\frac{1}{10\,086}$	$-\frac{1521\,179}{8606\,720}$	$\frac{360\,719}{8606\,720}$
63	−5	6	3	14	0	−6	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{147\,045\,537}{537\,920}$	$-\frac{29\,162\,403}{537\,920}$
64	−5	6	11	−4	−12	16	$\frac{2509}{11\,619\,072}$	0	$-\frac{563}{430\,336}$	$\frac{563}{181\,548}$	$\frac{438\,215\,183}{154\,920\,960}$	$\frac{102\,090\,317}{154\,920\,960}$
65	−5	6	11	2	0	−2	0	0	0	0	$-\frac{45}{8}$	$\frac{1}{8}$
66	−5	6	19	−4	−12	8	$\frac{559}{726\,192}$	0	$\frac{559}{26\,896}$	$-\frac{2233}{45\,387}$	$-\frac{436\,282\,699}{9682\,560}$	$-\frac{101\,760\,001}{9682\,560}$
67	−4	4	−8	−1	38	−17	$\frac{4969}{90\,774}$	$-\frac{1}{1681}$	$\frac{361}{3362}$	$-\frac{11\,561}{45\,387}$	$-\frac{321\,374\,941}{1210\,320}$	$-\frac{65\,513\,719}{1210\,320}$
68	−4	4	−8	5	26	−11	$\frac{1151}{53\,792}$	0	$-\frac{27}{53\,792}$	$\frac{2}{1681}$	$-\frac{28\,635\,457}{2151\,680}$	$\frac{2023\,517}{2151\,680}$
69	−4	4	0	5	2	5	$\frac{1151}{860\,672}$	0	$-\frac{27}{860\,672}$	$\frac{1}{13\,448}$	$-\frac{14\,380\,577}{34\,426\,880}$	$\frac{1754\,557}{34\,426\,880}$
70	−4	4	0	−1	14	−1	$\frac{1151}{363\,096}$	0	$-\frac{1}{13\,448}$	$\frac{8}{45\,387}$	$\frac{1908\,061}{4841\,280}$	$-\frac{109\,961}{4841\,280}$
71	−4	4	0	17	2	−7	$\frac{3483}{860\,672}$	$-\frac{1}{1681}$	$\frac{93\,913}{860\,672}$	$-\frac{3483}{13\,448}$	$-\frac{9047\,323\,269}{34\,426\,880}$	$-\frac{1901\,282\,031}{34\,426\,880}$
72	−4	4	8	−1	−10	15	$\frac{2923}{23\,238\,144}$	0	$-\frac{1685}{860\,672}$	$\frac{1685}{363\,096}$	$\frac{263\,823\,301}{61\,968\,384}$	$\frac{60\,858\,031}{61\,968\,384}$
73	−4	4	8	−1	14	−9	$\frac{365}{90\,774}$	$-\frac{1}{1681}$	$\frac{365}{3362}$	$-\frac{11\,689}{45\,387}$	$-\frac{65\,801\,437}{242\,064}$	$-\frac{13\,014\,775}{242\,064}$
74	−4	4	8	5	2	−3	0	0	0	0	$-\frac{53}{8}$	$\frac{1}{8}$
75	−4	4	16	−1	−10	7	$\frac{1}{864}$	0	$\frac{1}{32}$	$-\frac{2}{27}$	$-\frac{780\,181}{11\,520}$	$-\frac{181\,279}{11\,520}$
76	−4	4	24	−1	−10	−1	$-\frac{658}{45\,387}$	$-\frac{1}{1681}$	$-\frac{658}{1681}$	$\frac{42\,103}{45\,387}$	$\frac{245\,619\,269}{302\,580}$	$\frac{59\,914\,031}{302\,580}$
77	−4	5	−8	0	31	−12	$\frac{1151}{60\,516}$	0	$-\frac{3}{6724}$	$\frac{16}{15\,129}$	$-\frac{9690\,839}{806\,880}$	$\frac{596\,059}{806\,880}$
78	−4	5	−8	6	19	−6	$\frac{435}{53\,792}$	0	$\frac{65}{53\,792}$	$-\frac{6}{1681}$	$\frac{115\,611}{2151\,680}$	$-\frac{1954\,831}{2151\,680}$
79	−4	5	0	0	7	4	$\frac{1151}{968\,256}$	0	$-\frac{3}{107\,584}$	$\frac{1}{15\,129}$	$-\frac{4345\,259}{12\,910\,080}$	$\frac{495\,199}{12\,910\,080}$
80	−4	5	0	6	−5	10	$\frac{435}{860\,672}$	0	$\frac{65}{860\,672}$	$-\frac{3}{13\,448}$	$-\frac{1699\,869}{34\,426\,880}$	$-\frac{2022\,071}{34\,426\,880}$
81	−4	5	0	12	7	−8	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{71\,139\,951}{268\,960}$	$-\frac{14\,694\,669}{268\,960}$
82	−4	5	8	−6	−5	14	$\frac{323}{2904\,768}$	0	$-\frac{189}{107\,584}$	$\frac{190}{45\,387}$	$\frac{147\,067\,729}{38\,730\,240}$	$\frac{33\,700\,051}{38\,730\,240}$
83	−4	5	8	0	7	−4	0	0	0	0	$-\frac{53}{8}$	$\frac{1}{8}$
84	−4	5	8	6	−5	2	0	0	0	0	$\frac{27}{32}$	$\frac{1}{32}$
85	−3	3	−11	3	33	−13	$\frac{1151}{80\,688}$	0	$-\frac{9}{26\,896}$	$\frac{4}{5043}$	$-\frac{19\,541\,499}{1075\,840}$	$\frac{1167\,599}{1075\,840}$
86	−3	3	−3	−3	21	−3	$\frac{32}{15\,129}$	0	0	$-\frac{1}{15\,129}$	$\frac{23\,749}{40\,344}$	$-\frac{3209}{40\,344}$
87	−3	3	−3	3	9	3	$\frac{1151}{1291\,008}$	0	$-\frac{9}{430\,336}$	$\frac{1}{20\,172}$	$-\frac{11\,338\,219}{17\,213\,440}$	$\frac{1033\,119}{17\,213\,440}$
88	−3	3	−3	15	9	−9	$\frac{1755}{430\,336}$	$-\frac{1}{1681}$	$\frac{47\,257}{430\,336}$	$-\frac{1755}{6724}$	$-\frac{868\,373\,217}{3442\,688}$	$-\frac{193\,617\,027}{3442\,688}$
89	−3	3	5	−3	−3	13	$\frac{23}{645\,504}$	0	$-\frac{561}{215\,168}$	$\frac{187}{30\,258}$	$\frac{146\,816\,887}{25\,820\,160}$	$\frac{33\,699\,973}{25\,820\,160}$
90	−3	3	5	3	9	−5	0	0	0	0	$-\frac{61}{8}$	$\frac{1}{8}$
91	−3	3	5	9	−3	1	0	0	0	0	$\frac{9}{32}$	$\frac{3}{32}$
92	−3	3	13	−3	−3	5	$\frac{187}{121\,032}$	0	$\frac{561}{13\,448}$	$-\frac{499}{5043}$	$-\frac{48\,622\,309}{537\,920}$	$-\frac{11\,276\,111}{537\,920}$
93	−3	4	−11	−2	38	−14	$\frac{2303}{181\,548}$	0	$-\frac{1}{6724}$	$\frac{7}{45\,387}$	$-\frac{40\,717\,019}{2420\,640}$	$\frac{1430\,479}{2420\,640}$
94	−3	4	−11	4	26	−8	$\frac{589}{107\,584}$	0	$\frac{7}{2624}$	$-\frac{13}{1681}$	$-\frac{16\,087\,379}{4303\,360}$	$-\frac{7691\,161}{4303\,360}$
95	−3	4	−3	−2	14	2	$\frac{1151}{1452\,384}$	0	$-\frac{1}{53\,792}$	$\frac{2}{45\,387}$	$-\frac{10\,800\,299}{19\,365\,120}$	$\frac{495\,199}{19\,365\,120}$
96	−3	4	−3	4	2	8	$\frac{589}{1721\,344}$	0	$\frac{7}{41\,984}$	$-\frac{13}{26\,896}$	$-\frac{19\,045\,939}{68\,853\,760}$	$-\frac{7960\,121}{68\,853\,760}$
97	−3	4	−3	10	14	−10	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{67\,962\,861}{268\,960}$	$-\frac{14\,845\,959}{268\,960}$
98	−3	4	5	−2	−10	18	$\frac{3983}{46\,476\,288}$	0	$\frac{1679}{1721\,344}$	$-\frac{1679}{726\,192}$	$-\frac{1333\,084\,859}{619\,683\,840}$	$-\frac{303\,739\,601}{619\,683\,840}$
99	−3	4	5	−2	14	−6	$\frac{1}{181\,548}$	0	$\frac{1}{6724}$	$-\frac{25}{45\,387}$	$-\frac{19\,116\,421}{2420\,640}$	$\frac{440\,081}{2420\,640}$
100	−3	4	5	4	2	0	0	0	0	0	$\frac{11}{16}$	$\frac{1}{16}$
101	−3	4	13	−2	−10	10	$-\frac{1}{1728}$	0	$-\frac{1}{64}$	$\frac{1}{27}$	$\frac{780\,181}{23\,040}$	$\frac{181\,279}{23\,040}$
102	−3	4	21	−2	−10	2	$\frac{841}{90\,774}$	0	$\frac{841}{3362}$	$-\frac{26\,921}{45\,387}$	$-\frac{665\,300\,341}{1210\,320}$	$-\frac{152\,144\,959}{1210\,320}$
103	−2	2	−14	1	40	−15	$\frac{1151}{121\,032}$	0	$-\frac{3}{13\,448}$	$\frac{8}{15\,129}$	$-\frac{39\,242\,819}{1613\,760}$	$\frac{2310\,679}{1613\,760}$
104	−2	2	−6	1	16	1	$\frac{1151}{1936\,512}$	0	$-\frac{3}{215\,168}$	$\frac{1}{30\,258}$	$-\frac{25\,324\,139}{25\,820\,160}$	$\frac{2108\,959}{25\,820\,160}$
105	−2	2	−6	13	16	−11	$\frac{891}{215\,168}$	$-\frac{1}{1681}$	$\frac{23\,929}{215\,168}$	$-\frac{891}{3362}$	$-\frac{2065\,387\,653}{8606\,720}$	$-\frac{497\,855\,727}{8606\,720}$
106	−2	2	2	−5	4	11	$-\frac{29}{726\,192}$	0	$-\frac{93}{26\,896}$	$\frac{371}{45\,387}$	$\frac{73\,345\,733}{9682\,560}$	$\frac{16\,849\,967}{9682\,560}$
107	−2	2	2	1	−8	17	$\frac{59}{645\,504}$	0	$\frac{315}{215\,168}$	$-\frac{35}{10\,086}$	$-\frac{5570\,035}{1721\,344}$	$-\frac{1260\,921}{1721\,344}$
108	−2	2	2	1	16	−7	0	0	0	0	$-\frac{69}{8}$	$\frac{1}{8}$
109	−2	2	2	7	4	−1	0	0	0	0	$-\frac{9}{32}$	$\frac{5}{32}$
110	−2	2	10	1	−8	9	$-\frac{1}{1152}$	0	$-\frac{3}{128}$	$\frac{1}{18}$	$\frac{780\,181}{15\,360}$	$\frac{181\,279}{15\,360}$
111	−2	2	18	1	−8	1	$\frac{1}{72}$	0	$\frac{3}{8}$	$-\frac{8}{9}$	$-\frac{788\,461}{960}$	$-\frac{181\,159}{960}$
112	−2	3	−14	2	33	−10	$\frac{77}{20\,172}$	0	$\frac{37}{6724}$	$-\frac{80}{5043}$	$-\frac{663\,373}{53\,792}$	$-\frac{184\,487}{53\,792}$
113	−2	3	−6	−4	21	0	$\frac{385}{726\,192}$	0	$\frac{1}{26\,896}$	$-\frac{7}{45\,387}$	$-\frac{8916\,661}{9682\,560}$	$-\frac{55\,039}{9682\,560}$
114	−2	3	−6	2	9	6	$\frac{77}{322\,752}$	0	$\frac{37}{107\,584}$	$-\frac{5}{5043}$	$-\frac{683\,545}{860\,672}$	$-\frac{191\,211}{860\,672}$
115	−2	3	−6	8	21	−12	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{63\,726\,741}{268\,960}$	$-\frac{15\,047\,679}{268\,960}$
116	−2	3	2	−4	−3	16	$\frac{59}{726\,192}$	0	$\frac{35}{26\,896}$	$-\frac{140}{45\,387}$	$-\frac{86\,953}{30\,258}$	$-\frac{79\,543}{121\,032}$
117	−2	3	2	2	9	−2	0	0	0	0	$\frac{3}{8}$	$\frac{1}{8}$
118	−2	3	2	8	−3	4	0	0	0	0	$\frac{171}{128}$	$-\frac{15}{128}$
119	−2	3	10	−4	−3	8	$-\frac{559}{726\,192}$	0	$-\frac{559}{26\,896}$	$\frac{2233}{45\,387}$	$\frac{436\,282\,699}{9682\,560}$	$\frac{101\,760\,001}{9682\,560}$
120	−2	3	10	8	−3	−4	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{69\,475\,761}{268\,960}$	$-\frac{14\,543\,379}{268\,960}$
121	−1	1	−17	−1	47	−17	$\frac{575}{90\,774}$	0	$-\frac{1}{3362}$	$\frac{1}{1107}$	$-\frac{38\,505\,719}{1210\,320}$	$\frac{2750\,779}{1210\,320}$

122	-1	1	-9	-1	23	-1	$\frac{1151}{2904\,768}$	0	$-\frac{1}{107\,584}$	$\frac{1}{45\,387}$	$-\frac{54\,371\,819}{38\,730\,240}$	$\frac{5336\,479}{38\,730\,240}$
123	-1	1	-9	11	23	-13	$\frac{459}{107\,584}$	$-\frac{1}{1681}$	$\frac{12\,265}{107\,584}$	$-\frac{459}{1681}$	$-\frac{977\,981\,877}{4303\,360}$	$-\frac{260\,320\,383}{4303\,360}$
124	-1	1	-1	-1	-1	15	$\frac{4513}{46\,476\,288}$	0	$\frac{3361}{1721\,344}$	$-\frac{3361}{726\,192}$	$-\frac{2677\,340\,341}{619\,683\,840}$	$-\frac{604\,123\,519}{619\,683\,840}$
125	-1	1	-1	-1	23	-9	$-\frac{1}{181\,548}$	0	$-\frac{1}{6724}$	$\frac{25}{45\,387}$	$-\frac{22\,639\,619}{2420\,640}$	$\frac{165\,079}{2420\,640}$
126	-1	1	-1	5	11	-3	0	0	0	0	$-\frac{5}{4}$	$\frac{1}{4}$
127	-1	1	-1	11	-1	3	$\frac{27}{1721\,344}$	0	$\frac{601}{1721\,344}$	$-\frac{27}{26\,896}$	$\frac{94\,900\,059}{68\,853\,760}$	$-\frac{27\,626\,319}{68\,853\,760}$
128	-1	1	7	-1	-1	7	$-\frac{1}{864}$	0	$-\frac{1}{32}$	$\frac{2}{27}$	$\frac{780\,181}{11\,520}$	$\frac{181\,279}{11\,520}$
129	-1	1	7	11	-1	-5	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{67\,055\,121}{268\,960}$	$-\frac{14\,543\,379}{268\,960}$
130	-1	1	15	-1	-1	-1	$\frac{3361}{181\,548}$	0	$\frac{3361}{6724}$	$-\frac{53\,767}{45\,387}$	$-\frac{2645\,608\,141}{2420\,640}$	$-\frac{609\,294\,919}{2420\,640}$
131	-1	2	-17	0	40	-12	$\frac{17}{5904}$	0	$\frac{299}{26\,896}$	$-\frac{484}{15\,129}$	$-\frac{99\,465\,901}{3227\,520}$	$-\frac{21\,019\,879}{3227\,520}$
132	-1	2	-9	0	16	4	$\frac{17}{94\,464}$	0	$\frac{299}{430\,336}$	$-\frac{121}{60\,516}$	$-\frac{98\,659\,021}{51\,640\,320}$	$-\frac{21\,826\,759}{51\,640\,320}$
133	-1	2	-9	6	28	-14	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{58\,078\,581}{268\,960}$	$-\frac{15\,316\,639}{268\,960}$
134	-1	2	-1	-6	4	14	$\frac{505}{5809\,536}$	0	$\frac{377}{215\,168}$	$-\frac{379}{90\,774}$	$-\frac{298\,884\,157}{77\,460\,480}$	$-\frac{68\,115\,223}{77\,460\,480}$
135	-1	2	-1	0	-8	20	$-\frac{1}{62\,976}$	0	$-\frac{593}{860\,672}$	$\frac{65}{40\,344}$	$\frac{10\,140\,497}{6885\,376}$	$\frac{2350\,803}{6885\,376}$
136	-1	2	-1	0	16	-4	0	0	0	0	$-\frac{1}{4}$	$\frac{1}{4}$
137	-1	2	-1	6	4	2	0	0	0	0	$\frac{135}{64}$	$-\frac{11}{64}$
138	-1	2	7	0	-8	12	$\frac{1}{2304}$	0	$\frac{3}{256}$	$-\frac{1}{36}$	$-\frac{782\,581}{30\,720}$	$-\frac{180\,799}{30\,720}$
139	-1	2	7	6	4	-6	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{67\,155\,981}{268\,960}$	$-\frac{14\,576\,999}{268\,960}$
140	0	0	-12	-3	30	-3	$\frac{127}{484\,128}$	0	$-\frac{3}{53\,792}$	$\frac{1}{5043}$	$-\frac{4059\,833}{2151\,680}$	$\frac{605\,173}{2151\,680}$
141	0	0	-12	9	30	-15	$\frac{243}{53\,792}$	$-\frac{1}{1681}$	$\frac{6433}{53\,792}$	$-\frac{486}{1681}$	$-\frac{468\,167\,949}{2151\,680}$	$-\frac{139\,938\,951}{2151\,680}$
142	-1	2	15	0	-8	4	$-\frac{1}{144}$	0	$-\frac{3}{16}$	$\frac{4}{9}$	$\frac{782\,101}{1920}$	$\frac{181\,279}{1920}$
143	0	0	-4	-3	6	13	$\frac{875}{7746\,048}$	0	$\frac{2241}{860\,672}$	$-\frac{83}{13\,448}$	$-\frac{198\,549\,069}{34\,426\,880}$	$-\frac{44\,499\,271}{34\,426\,880}$
144	0	0	-4	3	18	-5	0	0	0	0	$-\frac{23}{8}$	$\frac{3}{8}$
145	0	0	-4	9	6	1	$\frac{27}{860\,672}$	0	$\frac{601}{860\,672}$	$-\frac{27}{13\,448}$	$\frac{48\,907\,899}{34\,426\,880}$	$-\frac{23\,591\,919}{34\,426\,880}$
146	0	0	4	-3	6	5	$-\frac{187}{121\,032}$	0	$-\frac{561}{13\,448}$	$\frac{499}{5043}$	$\frac{48\,622\,309}{537\,920}$	$\frac{11\,276\,111}{537\,920}$
147	0	0	4	3	-6	11	$\frac{1}{1536}$	0	$\frac{9}{512}$	$-\frac{1}{24}$	$-\frac{785\,141}{20\,480}$	$-\frac{180\,799}{20\,480}$
148	0	0	4	9	6	-7	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{64\,634\,481}{268\,960}$	$-\frac{14\,543\,379}{268\,960}$
149	0	0	12	3	-6	3	$-\frac{1}{96}$	0	$-\frac{9}{32}$	$\frac{2}{3}$	$\frac{781\,461}{1280}$	$\frac{181\,279}{1280}$
150	0	1	-20	-2	47	-14	$\frac{469}{181\,548}$	0	$\frac{149}{6724}$	$-\frac{2887}{45\,387}$	$-\frac{167\,346\,061}{2420\,640}$	$-\frac{29\,494\,279}{2420\,640}$
151	0	1	-12	-2	23	2	$\frac{235}{1452\,384}$	0	$\frac{75}{53\,792}$	$-\frac{182}{45\,387}$	$-\frac{82\,187\,071}{19\,365\,120}$	$-\frac{15\,283\,549}{19\,365\,120}$
152	0	1	-12	4	35	-16	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{50\,581\,321}{268\,960}$	$-\frac{15\,686\,459}{268\,960}$
153	0	1	-4	-2	-1	18	$-\frac{1211}{46\,476\,288}$	0	$-\frac{1531}{1721\,344}$	$\frac{1499}{726\,192}$	$\frac{1153\,161\,719}{619\,683\,840}$	$\frac{272\,952\,581}{619\,683\,840}$
154	0	1	-4	-2	23	-6	$-\frac{1}{181\,548}$	0	$-\frac{1}{6724}$	$\frac{25}{45\,387}$	$-\frac{2971\,919}{2420\,640}$	$\frac{1072\,819}{2420\,640}$
155	0	1	-4	4	11	0	0	0	0	0	$\frac{13}{4}$	$-\frac{1}{4}$
156	0	1	4	-2	-1	10	$\frac{1}{1728}$	0	$\frac{1}{64}$	$-\frac{1}{27}$	$-\frac{783\,781}{23\,040}$	$-\frac{180\,559}{23\,040}$
157	0	1	4	4	11	-8	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{64\,567\,241}{268\,960}$	$-\frac{14\,610\,619}{268\,960}$
158	0	1	4	10	-1	-2	0	0	0	0	$-\frac{243}{32}$	$-\frac{9}{32}$
159	0	1	12	-2	-1	2	$-\frac{841}{90\,774}$	0	$-\frac{841}{3362}$	$\frac{26\,921}{45\,387}$	$\frac{657\,281\,971}{1210\,320}$	$\frac{152\,296\,249}{1210\,320}$
160	1	-1	-15	7	37	-17	$\frac{135}{26\,896}$	$-\frac{1}{1681}$	$\frac{3517}{26\,896}$	$-\frac{540}{1681}$	$-\frac{47\,170\,725}{215\,168}$	$-\frac{15\,734\,479}{215\,168}$
161	1	-1	-7	-5	13	11	$\frac{1615}{11\,619\,072}$	0	$\frac{1487}{430\,336}$	$-\frac{1483}{181\,548}$	$-\frac{29\,004\,227}{3778\,560}$	$-\frac{264\,262\,993}{154\,920\,960}$
162	1	-1	-7	1	25	-7	0	0	0	0	$-\frac{11}{2}$	$\frac{1}{2}$
163	1	-1	-7	7	13	-1	$\frac{27}{430\,336}$	0	$\frac{601}{430\,336}$	$-\frac{27}{6724}$	$\frac{12\,598\,299}{17\,213\,440}$	$-\frac{20\,633\,359}{17\,213\,440}$
164	1	-1	1	1	1	9	$\frac{1}{1152}$	0	$\frac{3}{128}$	$-\frac{1}{18}$	$-\frac{786\,421}{15\,360}$	$-\frac{180\,799}{15\,360}$
165	1	-1	1	7	13	-9	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{62\,112\,981}{268\,960}$	$-\frac{14\,509\,759}{268\,960}$
166	1	-1	1	13	1	-3	0	0	0	0	$-\frac{81}{32}$	$-\frac{27}{32}$
167	1	-1	9	1	1	1	$-\frac{1}{72}$	0	$-\frac{3}{8}$	$\frac{8}{9}$	$\frac{781\,141}{960}$	$\frac{181\,279}{960}$
168	1	0	-15	-4	30	0	$\frac{551}{2904\,768}$	0	$\frac{295}{107\,584}$	$-\frac{356}{45\,387}$	$-\frac{347\,453\,459}{38\,730\,240}$	$-\frac{55\,577\,561}{38\,730\,240}$
169	1	0	-15	2	42	-18	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{40\,730\,661}{268\,960}$	$-\frac{16\,257\,999}{268\,960}$
170	1	0	-7	-4	6	16	$-\frac{1685}{46\,476\,288}$	0	$-\frac{1941}{1721\,344}$	$\frac{1877}{726\,192}$	$\frac{1409\,780\,537}{619\,683\,840}$	$\frac{349\,041\,803}{619\,683\,840}$
171	1	0	-7	2	18	-2	0	0	0	0	$\frac{39}{8}$	$-\frac{3}{8}$
172	1	0	1	-4	6	8	$\frac{559}{726\,192}$	0	$\frac{559}{26\,896}$	$-\frac{2233}{45\,387}$	$-\frac{439\,308\,499}{9682\,560}$	$-\frac{101\,154\,841}{9682\,560}$
173	1	0	1	2	-6	14	$-\frac{1}{3072}$	0	$-\frac{9}{1024}$	$\frac{1}{48}$	$\frac{792\,661}{40\,960}$	$\frac{180\,319}{40\,960}$
174	1	0	1	2	18	-10	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{61\,709\,541}{268\,960}$	$-\frac{14\,644\,239}{268\,960}$
175	1	0	1	8	6	-4	0	0	0	0	$-\frac{99}{16}$	$-\frac{9}{16}$
176	1	0	9	2	-6	6	$\frac{1}{192}$	0	$\frac{9}{64}$	$-\frac{1}{3}$	$-\frac{780\,181}{2560}$	$-\frac{181\,279}{2560}$
177	1	0	17	2	-6	-2	$-\frac{400}{5043}$	$-\frac{1}{1681}$	$-\frac{3600}{1681}$	$\frac{25\,600}{5043}$	$\frac{7811\,092}{1681}$	$\frac{1813\,036}{1681}$
178	2	-2	-18	5	44	-19	$\frac{81}{13\,448}$	$-\frac{1}{1681}$	$\frac{59}{13\,448}$	$-\frac{648}{1681}$	$-\frac{134\,690\,983}{537\,920}$	$-\frac{47\,299\,477}{537\,920}$
179	2	-2	-10	-1	32	-9	$\frac{1}{181\,548}$	0	$\frac{1}{6724}$	$-\frac{25}{45\,387}$	$-\frac{23\,655\,121}{2420\,640}$	$\frac{1347\,821}{2420\,640}$
180	2	-2	-10	5	20	-3	$\frac{27}{215\,168}$	0	$\frac{601}{215\,168}$	$-\frac{27}{3362}$	$-\frac{15\,373\,541}{8606\,720}$	$-\frac{18\,481\,679}{8606\,720}$
181	2	-2	-2	-1	8	7	$\frac{1}{864}$	0	$\frac{1}{32}$	$-\frac{2}{27}$	$-\frac{787\,741}{11\,520}$	$-\frac{180\,919}{11\,520}$
182	2	-2	-2	5	-4	13	$-\frac{827}{1721\,344}$	0	$-\frac{22\,393}{1721\,344}$	$\frac{827}{26\,896}$	$\frac{1960\,884\,421}{68\,853\,760}$	$\frac{447\,585\,199}{68\,853\,760}$
183	2	-2	-2	5	20	-11	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{59\,658\,721}{268\,960}$	$-\frac{14\,408\,899}{268\,960}$
184	2	-2	-2	11	8	-5	0	0	0	0	$\frac{81}{32}$	$-\frac{45}{32}$

185	2	−2	6	−1	8	−1	$-\frac{3361}{181\,548}$	0	$-\frac{3361}{6724}$	$\frac{53\,767}{45\,387}$	$\frac{2624\,730\,121}{2420\,640}$	$\frac{609\,597\,499}{2420\,640}$
186	2	−2	6	5	−4	5	$\frac{1}{128}$	0	$\frac{27}{128}$	$-\frac{1}{2}$	$-\frac{2342\,143}{5120}$	$-\frac{543\,517}{5120}$
187	2	−2	14	5	−4	−3	$-\frac{1627}{13\,448}$	$-\frac{1}{1681}$	$-\frac{43\,929}{13\,448}$	$\frac{13\,016}{1681}$	$\frac{3817\,824\,941}{537\,920}$	$\frac{884\,834\,279}{537\,920}$
188	2	−1	−18	0	49	−20	$\frac{61}{15\,129}$	$-\frac{1}{1681}$	$\frac{183}{1681}$	$-\frac{3913}{15\,129}$	$-\frac{21\,105\,841}{201\,720}$	$-\frac{316\,859}{4920}$
189	2	−1	−10	−6	13	14	$-\frac{5}{107\,584}$	0	$-\frac{151}{107\,584}$	$\frac{16}{5043}$	$\frac{11\,366\,327}{4303\,360}$	$\frac{3069\,573}{4303\,360}$
190	2	−1	−10	0	25	−4	0	0	0	0	$\frac{57}{8}$	$-\frac{5}{8}$
191	2	−1	−2	0	1	12	$-\frac{1}{2304}$	0	$-\frac{3}{256}$	$\frac{1}{36}$	$\frac{793\,861}{30\,720}$	$\frac{180\,079}{30\,720}$
192	2	−1	−2	0	25	−12	$\frac{61}{15\,129}$	$-\frac{1}{1681}$	$\frac{183}{1681}$	$-\frac{3913}{15\,129}$	$-\frac{44\,101\,921}{201\,720}$	$-\frac{267\,659}{4920}$
193	2	−1	−2	6	13	−6	0	0	0	0	−3	−1
194	2	−1	−2	12	1	0	$-\frac{27}{430\,336}$	0	$-\frac{601}{430\,336}$	$\frac{27}{6724}$	$-\frac{113\,054\,859}{17\,213\,440}$	$\frac{31\,257\,279}{17\,213\,440}$
195	2	−1	6	0	1	4	$\frac{1}{144}$	0	$\frac{3}{16}$	$-\frac{4}{9}$	$-\frac{780\,181}{1920}$	$-\frac{181\,279}{1920}$
196	2	−1	14	0	1	−4	$-\frac{180}{1681}$	$-\frac{1}{1681}$	$-\frac{4860}{1681}$	$\frac{11\,519}{1681}$	$\frac{21\,123\,039}{3362}$	$\frac{119\,413}{82}$
197	3	−3	−21	3	51	−21	$\frac{27}{3362}$	$-\frac{1}{1681}$	$\frac{665}{3362}$	$-\frac{864}{1681}$	$-\frac{46\,980\,161}{134\,480}$	$-\frac{15\,520\,739}{134\,480}$
198	3	−3	−13	3	27	−5	$\frac{27}{107\,584}$	0	$\frac{601}{107\,584}$	$-\frac{27}{1681}$	$-\frac{36\,352\,421}{4303\,360}$	$-\frac{16\,867\,919}{4303\,360}$
199	3	−3	−5	−3	15	5	$\frac{187}{121\,032}$	0	$\frac{561}{13\,448}$	$-\frac{499}{5043}$	$-\frac{49\,160\,229}{537\,920}$	$-\frac{11\,276\,111}{537\,920}$
200	3	−3	−5	3	3	11	$-\frac{3281}{5164\,032}$	0	$-\frac{29\,657}{1721\,344}$	$\frac{3281}{80\,688}$	$\frac{2589\,305\,701}{68\,853\,760}$	$\frac{592\,054\,159}{68\,853\,760}$
201	3	−3	−5	3	27	−13	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{57\,607\,901}{268\,960}$	$-\frac{14\,173\,559}{268\,960}$
202	3	−3	−5	9	15	−7	0	0	0	0	$\frac{45}{4}$	$-\frac{9}{4}$
203	3	−3	3	3	3	3	$\frac{1}{96}$	0	$\frac{9}{32}$	$-\frac{2}{3}$	$-\frac{780\,981}{1280}$	$-\frac{181\,119}{1280}$
204	3	−3	11	3	3	−5	$-\frac{3281}{20\,172}$	$-\frac{1}{1681}$	$-\frac{29\,529}{6724}$	$\frac{52\,496}{5043}$	$\frac{2568\,050\,221}{268\,960}$	$\frac{594\,748\,519}{268\,960}$
205	3	−2	−13	−2	32	−6	$\frac{1}{181\,548}$	0	$\frac{1}{6724}$	$-\frac{25}{45\,387}$	$\frac{24\,152\,519}{2420\,640}$	$-\frac{2888\,299}{2420\,640}$
206	3	−2	−5	−2	8	10	$-\frac{1}{1728}$	0	$-\frac{1}{64}$	$\frac{1}{27}$	$\frac{794\,941}{23\,040}$	$\frac{179\,479}{23\,040}$
207	3	−2	−5	4	20	−8	0	0	0	0	$\frac{25}{8}$	$-\frac{13}{8}$
208	3	−2	−5	10	8	−2	$-\frac{27}{215\,168}$	0	$-\frac{601}{215\,168}$	$\frac{27}{3362}$	$-\frac{69\,483\,339}{8606\,720}$	$\frac{26\,415\,999}{8606\,720}$
209	3	−2	3	−2	8	2	$\frac{841}{90\,774}$	0	$\frac{841}{3362}$	$-\frac{26\,921}{45\,387}$	$-\frac{656\,071\,651}{1210\,320}$	$-\frac{152\,296\,249}{1210\,320}$
210	3	−2	3	4	−4	8	$-\frac{1}{256}$	0	$-\frac{27}{256}$	$\frac{1}{4}$	$\frac{2351\,263}{10\,240}$	$\frac{542\,717}{10\,240}$
211	3	−2	11	4	−4	0	$\frac{1}{16}$	0	$\frac{27}{16}$	−4	$-\frac{2349\,263}{640}$	$-\frac{543\,757}{640}$
212	4	−4	−24	1	58	−23	$\frac{182}{15\,129}$	$-\frac{1}{1681}$	$\frac{482}{1681}$	$-\frac{11\,639}{15\,129}$	$-\frac{59\,917\,321}{100\,860}$	$-\frac{16\,785\,499}{100\,860}$
213	4	−4	−16	1	34	−7	$\frac{27}{53\,792}$	0	$\frac{601}{53\,792}$	$-\frac{54}{1681}$	$-\frac{51\,683\,141}{2151\,680}$	$-\frac{15\,523\,119}{2151\,680}$
214	4	−4	−8	1	10	9	$-\frac{6481}{7746\,048}$	0	$-\frac{19\,571}{860\,672}$	$\frac{6481}{121\,032}$	$\frac{5098\,956\,421}{103\,280\,640}$	$\frac{1170\,736\,879}{103\,280\,640}$
215	4	−4	−8	1	34	−15	$\frac{121}{30\,258}$	$-\frac{1}{1681}$	$\frac{363}{3362}$	$-\frac{3863}{15\,129}$	$-\frac{84\,619\,861}{403\,440}$	$-\frac{20\,572\,639}{403\,440}$
216	4	−4	−8	7	22	−9	0	0	0	0	$\frac{51}{2}$	$-\frac{7}{2}$
217	4	−4	0	1	10	1	$\frac{1}{72}$	0	$\frac{3}{8}$	$-\frac{8}{9}$	$-\frac{781\,381}{960}$	$-\frac{181\,039}{960}$
218	4	−4	0	7	−2	7	$-\frac{3}{512}$	0	$-\frac{81}{512}$	$\frac{3}{8}$	$\frac{7072\,989}{20\,480}$	$\frac{1626\,871}{20\,480}$
219	4	−4	8	1	10	−7	$-\frac{2201}{10\,086}$	$-\frac{1}{1681}$	$-\frac{19\,809}{3362}$	$\frac{70\,435}{5043}$	$\frac{1723\,128\,661}{134\,480}$	$\frac{398\,911\,199}{134\,480}$
220	4	−4	8	7	−2	−1	$\frac{3}{32}$	0	$\frac{81}{32}$	−6	$-\frac{7040\,349}{1280}$	$-\frac{1631\,351}{1280}$
221	4	−3	−8	−4	15	8	$-\frac{559}{726\,192}$	0	$-\frac{559}{26\,896}$	$\frac{2233}{45\,387}$	$\frac{445\,360\,099}{9682\,560}$	$\frac{99\,944\,521}{9682\,560}$
222	4	−3	−8	2	27	−10	0	0	0	0	$\frac{111}{8}$	$-\frac{19}{8}$
223	4	−3	−8	8	15	−4	$-\frac{27}{107\,584}$	0	$-\frac{601}{107\,584}$	$\frac{27}{1681}$	$-\frac{31\,963\,419}{4303\,360}$	$\frac{22\,785\,039}{4303\,360}$
224	4	−3	0	2	3	6	$-\frac{1}{192}$	0	$-\frac{9}{64}$	$\frac{1}{3}$	$\frac{784\,741}{2560}$	$\frac{180\,879}{2560}$
225	4	−3	0	14	3	−6	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{31\,144\,743}{134\,480}$	$-\frac{6779\,997}{134\,480}$
226	4	−3	8	2	3	−2	$\frac{1}{12}$	0	$\frac{9}{4}$	$-\frac{16}{3}$	$-\frac{782\,521}{160}$	$-\frac{181\,259}{160}$
227	5	−5	−19	−1	41	−9	$\frac{725}{726\,192}$	0	$\frac{597}{26\,896}$	$-\frac{2891}{45\,387}$	$-\frac{112\,351\,669}{1936\,512}$	$-\frac{25\,630\,975}{1936\,512}$
228	5	−5	−11	−1	17	7	$-\frac{12\,719}{11\,619\,072}$	0	$-\frac{12\,847}{430\,336}$	$\frac{12\,719}{181\,548}$	$\frac{9951\,685\,979}{154\,920\,960}$	$\frac{2305\,393\,841}{154\,920\,960}$
229	5	−5	−11	5	29	−11	0	0	0	0	$\frac{383}{8}$	$-\frac{43}{8}$
230	5	−5	−3	−1	17	−1	$\frac{3361}{181\,548}$	0	$\frac{3361}{6724}$	$-\frac{53\,767}{45\,387}$	$-\frac{2628\,361\,081}{2420\,640}$	$-\frac{608\,387\,179}{2420\,640}$
231	5	−5	−3	5	5	5	$-\frac{1}{128}$	0	$-\frac{27}{128}$	$\frac{1}{2}$	$\frac{2360\,863}{5120}$	$\frac{542\,077}{5120}$
232	5	−5	−3	17	5	−7	$\frac{405}{107\,584}$	$-\frac{1}{1681}$	$\frac{11\,063}{107\,584}$	$-\frac{405}{1681}$	$-\frac{219\,758\,751}{860\,672}$	$-\frac{36\,414\,333}{860\,672}$
233	5	−5	5	5	5	−3	$\frac{1}{8}$	0	$\frac{27}{8}$	−8	$-\frac{2345\,543}{320}$	$-\frac{543\,797}{320}$
234	5	−4	−11	0	34	−12	$-\frac{1}{60\,516}$	0	$-\frac{3}{6724}$	$\frac{25}{15\,129}$	$\frac{25\,974\,901}{806\,880}$	$-\frac{2457\,281}{806\,880}$
235	5	−4	−11	6	22	−6	$-\frac{27}{53\,792}$	0	$-\frac{601}{53\,792}$	$\frac{54}{1681}$	$-\frac{1301\,979}{2151\,680}$	$\frac{20\,095\,439}{2151\,680}$
236	5	−4	−3	0	10	4	$-\frac{1}{144}$	0	$-\frac{3}{16}$	$\frac{4}{9}$	$\frac{785\,821}{1920}$	$\frac{180\,919}{1920}$
237	5	−4	−3	6	−2	10	$\frac{4989}{1721\,344}$	0	$\frac{134\,959}{1721\,344}$	$-\frac{4989}{26\,896}$	$-\frac{11\,815\,644\,867}{68\,853\,760}$	$-\frac{2701\,303\,273}{68\,853\,760}$
238	5	−4	−3	12	10	−8	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{65\,693\,511}{268\,960}$	$-\frac{12\,879\,189}{268\,960}$
239	5	−4	5	0	10	−4	$\frac{747}{6724}$	0	$\frac{20\,169}{6724}$	$-\frac{11\,951}{1681}$	$-\frac{1752\,628\,501}{268\,960}$	$-\frac{406\,318\,879}{268\,960}$
240	5	−4	5	6	−2	2	$-\frac{3}{64}$	0	$-\frac{81}{64}$	3	$\frac{7027\,389}{2560}$	$\frac{1630\,871}{2560}$
241	6	−6	−14	−3	24	5	$-\frac{2749}{1936\,512}$	0	$-\frac{8375}{215\,168}$	$\frac{917}{10\,086}$	$\frac{709\,867\,243}{8606\,720}$	$\frac{167\,315\,297}{8606\,720}$
242	6	−6	−14	3	36	−13	0	0	0	0	$\frac{655}{8}$	$-\frac{67}{8}$
243	6	−6	−6	3	12	3	$-\frac{1}{96}$	0	$-\frac{9}{32}$	$\frac{2}{3}$	$\frac{788\,061}{1280}$	$\frac{180\,599}{1280}$
244	6	−6	−6	15	12	−9	$\frac{189}{53\,792}$	$-\frac{1}{1681}$	$\frac{5231}{53\,792}$	$-\frac{378}{1681}$	$-\frac{600\,477\,867}{2151\,680}$	$-\frac{73\,591\,713}{2151\,680}$
245	6	−6	2	3	12	−5	$\frac{1}{6}$	0	$\frac{9}{2}$	$-\frac{32}{3}$	$-\frac{781\,511}{80}$	$-\frac{181\,269}{80}$
246	6	−6	2	9	0	1	$-\frac{9}{128}$	0	$-\frac{243}{128}$	$\frac{9}{2}$	$\frac{21\,099\,447}{5120}$	$\frac{4890\,693}{5120}$
247	6	−5	−14	4	29	−8	$-\frac{27}{26\,896}$	0	$-\frac{601}{26\,896}$	$\frac{108}{1681}$	$\frac{22\,769\,941}{1075\,840}$	$\frac{18\,078\,239}{1075\,840}$

248	6	−5	−6	−2	17	2	$-\frac{841}{90\,774}$	0	$-\frac{841}{3362}$	$\frac{26\,921}{45\,387}$	$\frac{661\,669\,381}{1210\,320}$	$\frac{152\,144\,959}{1210\,320}$
249	6	−5	−6	4	5	8	$\frac{827}{215\,168}$	0	$\frac{22\,393}{215\,168}$	$-\frac{827}{3362}$	$-\frac{1957\,724\,141}{8606\,720}$	$-\frac{447\,786\,919}{8606\,720}$
250	6	−5	−6	10	17	−10	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{73\,409\,301}{268\,960}$	$-\frac{11\,820\,159}{268\,960}$
251	6	−5	2	4	5	0	$-\frac{1}{16}$	0	$-\frac{27}{16}$	4	$\frac{2342\,783}{640}$	$\frac{543\,517}{640}$
252	7	−7	−17	1	43	−15	$\frac{1}{60\,516}$	0	$\frac{3}{6724}$	$-\frac{25}{15\,129}$	$\frac{106\,151\,699}{806\,880}$	$-\frac{11\,057\,959}{806\,880}$
253	7	−7	−9	1	19	1	$-\frac{1}{72}$	0	$-\frac{3}{8}$	$\frac{8}{9}$	$\frac{789\,181}{960}$	$\frac{180\,439}{960}$
254	7	−7	−9	13	19	−11	$\frac{81}{26\,896}$	$-\frac{1}{1681}$	$\frac{2315}{26\,896}$	$-\frac{324}{1681}$	$-\frac{337\,703\,823}{1075\,840}$	$-\frac{22\,074\,957}{1075\,840}$
255	7	−7	−1	1	19	−7	$\frac{4483}{20\,172}$	0	$\frac{40\,347}{6724}$	$-\frac{71\,731}{5043}$	$-\frac{3502\,251\,463}{268\,960}$	$-\frac{812\,533\,877}{268\,960}$
256	7	−7	−1	7	7	−1	$-\frac{3}{32}$	0	$-\frac{81}{32}$	6	$\frac{7036\,029}{1280}$	$\frac{1629\,911}{1280}$
257	7	−6	−17	2	36	−10	$-\frac{27}{13\,448}$	0	$-\frac{601}{13\,448}$	$\frac{216}{1681}$	$\frac{41\,059\,221}{537\,920}$	$\frac{16\,464\,479}{537\,920}$
258	7	−6	−9	2	12	6	$\frac{3281}{645\,504}$	0	$\frac{29\,657}{215\,168}$	$-\frac{3281}{10\,086}$	$-\frac{2585\,136\,821}{8606\,720}$	$-\frac{592\,457\,599}{8606\,720}$
259	7	−6	−9	8	24	−12	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{87\,933\,141}{268\,960}$	$-\frac{10\,206\,399}{268\,960}$
260	7	−6	−1	2	12	−2	$-\frac{1}{12}$	0	$-\frac{9}{4}$	$\frac{16}{3}$	$\frac{781\,141}{160}$	$\frac{181\,119}{160}$
261	7	−6	−1	8	0	4	$\frac{9}{256}$	0	$\frac{243}{256}$	$-\frac{9}{4}$	$-\frac{21\,181\,527}{10\,240}$	$-\frac{4883\,493}{10\,240}$
262	7	−6	7	8	0	−4	$-\frac{15\,021}{26\,896}$	$-\frac{1}{1681}$	$-\frac{405\,567}{26\,896}$	$\frac{60\,084}{1681}$	$\frac{35\,254\,414\,323}{1075\,840}$	$\frac{8168\,326\,137}{1075\,840}$
263	8	−8	−12	−1	26	−1	$-\frac{3361}{1815\,480}$	0	$-\frac{3361}{6724}$	$\frac{53\,767}{45\,387}$	$\frac{2656\,501\,021}{2420\,640}$	$\frac{605\,663\,959}{2420\,640}$
264	8	−8	−12	11	26	−13	$\frac{27}{13\,448}$	$-\frac{1}{1681}$	$\frac{857}{13\,448}$	$-\frac{216}{1681}$	$-\frac{190\,885\,221}{537\,920}$	$\frac{1565\,361}{537\,920}$
265	8	−8	−4	5	14	−3	$-\frac{1}{8}$	0	$-\frac{27}{8}$	8	$\frac{2346\,623}{320}$	$\frac{543\,197}{320}$
266	8	−8	−4	11	2	3	$\frac{45\,279}{860\,672}$	0	$\frac{1223\,045}{860\,672}$	$-\frac{45\,279}{13\,448}$	$-\frac{106\,733\,278\,017}{34\,426\,880}$	$-\frac{24\,555\,680\,163}{34\,426\,880}$
267	8	−8	4	11	2	−5	$-\frac{45\,171}{53\,792}$	$-\frac{1}{1681}$	$-\frac{1219\,617}{53\,792}$	$\frac{90\,342}{1681}$	$\frac{105\,969\,737\,133}{2151\,680}$	$\frac{24\,561\,941\,607}{2151\,680}$
268	8	−7	−20	0	43	−12	$-\frac{121}{30\,258}$	0	$-\frac{299}{3362}$	$\frac{3863}{15\,129}$	$\frac{81\,633\,031}{403\,440}$	$\frac{22\,546\,549}{403\,440}$
269	8	−7	−12	0	19	4	$\frac{6481}{968\,256}$	0	$\frac{19\,571}{107\,584}$	$-\frac{6481}{15\,129}$	$-\frac{5090\,887\,621}{12\,910\,080}$	$-\frac{1172\,350\,639}{12\,910\,080}$
270	8	−7	−12	6	31	−14	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{112\,845\,561}{268\,960}$	$-\frac{7752\,139}{268\,960}$
271	8	−7	−4	0	19	−4	$-\frac{747}{6724}$	0	$-\frac{20\,169}{6724}$	$\frac{11\,951}{1681}$	$\frac{1751\,384\,561}{268\,960}$	$\frac{405\,814\,579}{268\,960}$
272	8	−7	−4	6	7	2	$\frac{3}{64}$	0	$\frac{81}{64}$	-3	$-\frac{7068\,429}{2560}$	$-\frac{1627\,271}{2560}$
273	8	−7	4	6	7	−6	$-\frac{1254}{1681}$	$-\frac{1}{1681}$	$-\frac{33\,858}{1681}$	$\frac{80\,256}{1681}$	$\frac{2942\,295\,897}{67\,240}$	$\frac{681\,922\,603}{67\,240}$
274	9	−9	−15	9	33	−15	$-\frac{1}{1681}$	$\frac{32}{1681}$	0	$-\frac{1286\,901}{3362}$	$\frac{147\,147}{1681}$	$\frac{707\,218}{1681}$
275	9	−9	−7	3	21	−5	$-\frac{1}{6}$	0	$-\frac{9}{2}$	$\frac{32}{3}$	$\frac{782\,741}{80}$	$\frac{181\,039}{80}$
276	9	−9	−7	9	9	1	$\frac{15\,075}{215\,168}$	0	$\frac{407\,281}{215\,168}$	$-\frac{15\,075}{3362}$	$-\frac{7112\,713\,113}{1721\,344}$	$-\frac{1634\,652\,843}{1721\,344}$
277	9	−9	1	9	9	−7	$-\frac{15\,075}{13\,448}$	$-\frac{1}{1681}$	$-\frac{407\,025}{13\,448}$	$\frac{120\,600}{1681}$	$\frac{7071\,532\,281}{107\,584}$	$\frac{1639\,361\,547}{107\,584}$
278	9	−8	−15	−2	26	2	$\frac{12\,727}{1452\,384}$	0	$\frac{12\,855}{53\,792}$	$-\frac{25\,463}{45\,387}$	$-\frac{9940\,013\,827}{19\,365\,120}$	$-\frac{2311\,555\,753}{19\,365\,120}$
279	9	−8	−15	4	38	−16	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{153\,155\,941}{268\,960}$	$-\frac{3885\,839}{268\,960}$
280	9	−8	−7	4	14	0	$\frac{1}{16}$	0	$\frac{27}{16}$	-4	$-\frac{2358\,983}{640}$	$-\frac{542\,197}{640}$
281	9	−8	1	4	14	−8	$-\frac{6697}{6724}$	$-\frac{1}{1681}$	$-\frac{180\,819}{6724}$	$\frac{107\,152}{1681}$	$\frac{15\,708\,645\,751}{268\,960}$	$\frac{3641\,846\,789}{268\,960}$
282	9	−8	1	10	2	−2	$\frac{27}{64}$	0	$\frac{729}{64}$	-27	$-\frac{63\,306\,981}{2560}$	$-\frac{14\,674\,959}{2560}$
283	10	−10	−18	7	40	−17	$-\frac{27}{6724}$	$-\frac{1}{1681}$	$-\frac{473}{6724}$	$\frac{432}{1681}$	$-\frac{93\,058\,599}{268\,960}$	$\frac{31\,295\,659}{268\,960}$
284	10	−10	−10	1	28	−7	$-\frac{4483}{20\,172}$	0	$-\frac{40\,347}{6724}$	$\frac{71\,731}{5043}$	$\frac{3511\,765\,923}{268\,960}$	$\frac{811\,491\,657}{268\,960}$
285	10	−10	−10	7	16	−1	$\frac{627}{6724}$	0	$\frac{16\,945}{6724}$	$-\frac{10\,032}{1681}$	$-\frac{740\,048\,013}{134\,480}$	$-\frac{169\,931\,927}{134\,480}$
286	10	−10	−2	7	16	−9	$-\frac{10\,059}{6724}$	$-\frac{1}{1681}$	$-\frac{271\,593}{6724}$	$\frac{160\,944}{1681}$	$\frac{23\,588\,477\,817}{268\,960}$	$\frac{5469\,117\,323}{268\,960}$
287	10	−10	−2	13	4	−3	$\frac{81}{128}$	0	$\frac{2187}{128}$	$-\frac{81}{2}$	$-\frac{190\,076\,463}{5120}$	$-\frac{44\,007\,597}{5120}$
288	10	−9	−18	2	45	−18	$\frac{20}{5043}$	$-\frac{1}{1681}$	$\frac{180}{1681}$	$-\frac{31}{123}$	$-\frac{1345\,409}{1681}$	$\frac{16\,669}{1681}$
289	10	−9	−10	2	21	−2	$\frac{1}{12}$	0	$\frac{9}{4}$	$-\frac{16}{3}$	$-\frac{787\,321}{160}$	$-\frac{180\,619}{160}$
290	10	−9	−2	2	21	−10	$-\frac{6704}{5043}$	$-\frac{1}{1681}$	$-\frac{60\,336}{1681}$	$\frac{10\,465}{123}$	$\frac{1310\,032\,511}{16\,810}$	$\frac{303\,787\,229}{16\,810}$
291	10	−9	−2	8	9	−4	$\frac{9}{16}$	0	$\frac{243}{16}$	-36	$-\frac{21\,105\,927}{640}$	$-\frac{4890\,933}{640}$
292	11	−11	−21	5	47	−19	$-\frac{81}{6724}$	$-\frac{1}{1681}$	$-\frac{1675}{6724}$	$\frac{1296}{1681}$	$-\frac{32\,961\,257}{268\,960}$	$\frac{66\,477\,157}{268\,960}$
293	11	−11	−13	5	23	−3	$\frac{3335}{26\,896}$	0	$\frac{90\,173}{26\,896}$	$-\frac{13\,340}{1681}$	$-\frac{1575\,063\,557}{215\,168}$	$-\frac{361\,495\,535}{215\,168}$
294	11	−11	−5	5	23	−11	$-\frac{13\,421}{6724}$	$-\frac{1}{1681}$	$-\frac{362\,367}{6724}$	$\frac{214\,736}{1681}$	$\frac{31\,468\,309\,883}{268\,960}$	$\frac{7296\,387\,857}{268\,960}$
295	11	−11	−5	11	11	−5	$\frac{27}{32}$	0	$\frac{729}{32}$	-54	$-\frac{63\,384\,741}{1280}$	$-\frac{14\,666\,319}{1280}$
296	11	−10	−13	0	28	−4	$\frac{747}{6724}$	0	$\frac{20\,169}{6724}$	$-\frac{11\,951}{1681}$	$-\frac{1766\,782\,521}{268\,960}$	$-\frac{404\,402\,539}{268\,960}$
297	11	−10	−5	6	16	−6	$\frac{3}{4}$	0	$\frac{81}{4}$	-48	$-\frac{7037\,409}{160}$	$-\frac{1630\,051}{160}$
298	11	−10	−5	12	4	0	$-\frac{135\,945}{430\,336}$	0	$-\frac{3671\,539}{430\,336}$	$\frac{135\,945}{6724}$	$\frac{64\,001\,808\,747}{3442\,688}$	$\frac{14\,752\,604\,385}{3442\,688}$
299	12	−12	−24	3	54	−21	$-\frac{283}{10\,086}$	$-\frac{1}{1681}$	$-\frac{2035}{3362}$	$\frac{9047}{5043}$	$\frac{74\,671\,463}{134\,480}$	$\frac{65\,143\,637}{134\,480}$
300	12	−12	−16	3	30	−5	$\frac{6643}{40\,344}$	0	$\frac{59\,915}{13\,448}$	$-\frac{53\,144}{5043}$	$-\frac{5228\,344\,583}{537\,920}$	$-\frac{1200\,236\,597}{537\,920}$
301	12	−12	−8	3	30	−13	$-\frac{655}{246}$	$\frac{1}{1681}$	$-\frac{5895}{82}$	$\frac{859\,351}{5043}$	$\frac{4197\,609\,959}{26\,896}$	$\frac{973\,218\,005}{26\,896}$
302	12	−12	−8	9	18	−7	$\frac{9}{8}$	0	$\frac{243}{8}$	-72	$-\frac{21\,139\,407}{320}$	$-\frac{4887\,693}{320}$
303	12	−11	−8	4	23	−8	1	0	27	-64	$-\frac{293\,351}{5}$	$-\frac{67\,909}{5}$
304	12	−11	−8	10	11	−2	$-\frac{45\,279}{107\,584}$	0	$-\frac{1223\,045}{107\,584}$	$\frac{45\,279}{1681}$	$\frac{106\,664\,289\,777}{4303\,360}$	$\frac{24\,561\,731\,763}{4303\,360}$
305	13	−13	−19	1	37	−7	$\frac{2201}{10\,086}$	0	$\frac{19\,873}{3362}$	$-\frac{70\,435}{5043}$	$-\frac{1730\,781\,031}{134\,480}$	$-\frac{397\,917\,029}{134\,480}$
306	13	−13	−11	7	25	−9	$\frac{3}{2}$	0	$\frac{81}{2}$	-96	$-\frac{7050\,999}{80}$	$-\frac{1628\,821}{80}$
307	13	−12	−11	2	30	−10	$\frac{26\,897}{20\,172}$	0	$\frac{242\,073}{6724}$	$-\frac{430\,361}{5043}$	$-\frac{21\,052\,084\,277}{268\,960}$	$-\frac{4870\,129\,663}{268\,960}$
308	13	−12	−11	8	18	−4	$-\frac{15\,075}{26\,896}$	0	$-\frac{407\,281}{26\,896}$	$\frac{60\,300}{1681}$	$\frac{7107\,266\,673}{215\,168}$	$\frac{1635\,096\,627}{215\,168}$
309	13	−12	−3	14	6	−6	$-\frac{408\,051}{107\,584}$	$-\frac{1}{1681}$	$-\frac{11\,017\,377}{107\,584}$	$\frac{408\,051}{1681}$	$\frac{957\,395\,577\,933}{4303\,360}$	$\frac{221\,746\,030\,407}{4303\,360}$
310	14	−14	−14	5	32	−11	2	0	54	-128	$-\frac{4704\,191}{40}$	$-\frac{1085\,549}{40}$

311	14	−14	−6	17	8	−7	$-\frac{1224\,153}{215\,168}$	$-\frac{1}{1681}$	$-\frac{33\,054\,179}{215\,168}$	$\frac{1224\,153}{3362}$	$\frac{2874\,327\,777\,639}{8606\,720}$	$\frac{664\,994\,875\,221}{8606\,720}$
312	14	−13	−14	6	25	−6	$-\frac{1254}{1681}$	0	$-\frac{33\,890}{1681}$	$\frac{80\,256}{1681}$	$\frac{2957\,594\,907}{67\,240}$	$\frac{679\,937\,833}{67\,240}$
313	14	−13	−6	12	13	−8	$-\frac{136\,053}{26\,896}$	$-\frac{1}{1681}$	$-\frac{3673\,431}{26\,896}$	$\frac{544\,212}{1681}$	$\frac{319\,293\,885\,339}{1075\,840}$	$\frac{73\,923\,438\,321}{1075\,840}$
314	15	−15	−17	3	39	−13	$\frac{53\,791}{20\,172}$	0	$\frac{484\,119}{6724}$	$-\frac{860\,647}{5043}$	$-\frac{42\,209\,876\,291}{268\,960}$	$-\frac{9728\,333\,289}{268\,960}$
315	15	−15	−9	15	15	−9	$-\frac{408\,051}{53\,792}$	$-\frac{1}{1681}$	$-\frac{11\,018\,401}{53\,792}$	$\frac{816\,102}{1681}$	$\frac{958\,466\,099\,853}{2151\,680}$	$\frac{221\,624\,422\,407}{2151\,680}$
316	15	−14	−17	4	32	−8	$-\frac{3335}{3362}$	0	$-\frac{90\,173}{3362}$	$\frac{106\,720}{1681}$	$\frac{1573\,523\,761}{26\,896}$	$\frac{361\,636\,739}{26\,896}$
317	5	−14	−9	10	20	−10	$-\frac{11\,340}{1681}$	$-\frac{1}{1681}$	$-\frac{306\,180}{1681}$	$\frac{725\,760}{1681}$	$\frac{2662\,226\,217}{6724}$	$\frac{616\,041\,423}{6724}$
318	16	−16	−12	13	22	−11	$-\frac{135\,999}{13\,448}$	$-\frac{1}{1681}$	$-\frac{3672\,485}{13\,448}$	$\frac{1087\,992}{1681}$	$\frac{319\,586\,107\,257}{537\,920}$	$\frac{73\,850\,492\,043}{537\,920}$
319	16	−15	−20	2	39	−10	$-\frac{26\,573}{20\,172}$	0	$-\frac{239\,669}{6724}$	$\frac{425\,177}{5043}$	$\frac{20\,891\,579\,213}{268\,960}$	$\frac{4803\,632\,967}{268\,960}$
320	16	−15	−12	8	27	−12	$-\frac{60\,489}{6724}$	$-\frac{1}{1681}$	$-\frac{1633\,203}{6724}$	$\frac{967\,824}{1681}$	$\frac{142\,070\,081\,427}{268\,960}$	$\frac{32\,853\,733\,593}{268\,960}$
321	17	−17	−15	11	29	−13	$-\frac{90\,639}{6724}$	$-\frac{1}{1681}$	$-\frac{2447\,765}{6724}$	$\frac{1450\,224}{1681}$	$\frac{213\,097\,058\,577}{268\,960}$	$\frac{49\,208\,835\,123}{268\,960}$
322	17	−16	−15	6	34	−14	$-\frac{80\,661}{6724}$	$-\frac{1}{1681}$	$-\frac{2177\,847}{6724}$	$\frac{1290\,576}{1681}$	$\frac{189\,552\,105\,003}{268\,960}$	$\frac{43\,799\,235\,617}{268\,960}$
323	18	−18	−18	9	36	−15	$-\frac{120\,789}{6724}$	$-\frac{1}{1681}$	$-\frac{3262\,327}{6724}$	$\frac{1932\,624}{1681}$	$\frac{284\,124\,035\,727}{268\,960}$	$\frac{65\,563\,936\,653}{268\,960}$
324	18	−17	−18	4	41	−16	$-\frac{26\,889}{1681}$	$-\frac{1}{1681}$	$-\frac{726\,003}{1681}$	$\frac{1720\,887}{1681}$	$\frac{63\,229\,943\,327}{67\,240}$	$\frac{14\,596\,443\,133}{67\,240}$
325	19	−19	−21	7	43	−17	$-\frac{160\,917}{6724}$	$-\frac{1}{1681}$	$-\frac{4346\,807}{6724}$	$\frac{2574\,672}{1681}$	$\frac{378\,695\,966\,451}{268\,960}$	$\frac{87\,328\,637\,689}{268\,960}$
326	20	−20	−24	5	50	−19	$-\frac{107\,139}{3362}$	$-\frac{1}{1681}$	$-\frac{2894\,801}{3362}$	$\frac{3428\,457}{1681}$	$\frac{252\,236\,079\,797}{134\,480}$	$\frac{58\,135\,751\,423}{134\,480}$

Table 2

No	a_1	a_2	a_3	a_4	a_6	a_{12}	r_3	r_4	r_5	r_6	r_7	r_8
1	-14	15	30	-4	-15	0	$\frac{14\,748\,959}{151\,290}$	$-\frac{9207\,449}{75\,645}$	$\frac{2658\,959}{30\,258}$	$\frac{66\,848\,833}{75\,645}$	$-\frac{776}{15}$	$-\frac{1795\,956}{1681}$
2	-13	13	27	-1	-13	-1	$\frac{66\,889\,111}{605\,160}$	$-\frac{44\,867\,921}{302\,580}$	$\frac{4530\,221}{40\,344}$	$\frac{285\,574\,457}{302\,580}$	$-\frac{946}{15}$	$-\frac{2084\,661}{1681}$
3	-12	12	24	-3	-6	-3	$\frac{4154\,577}{33\,620}$	$-\frac{26\,453\,023}{151\,290}$	$\frac{8272\,745}{60\,516}$	$\frac{16\,875\,199}{16\,810}$	$-\frac{372}{5}$	$-\frac{2373\,366}{1681}$
4	-12	13	24	-2	-13	2	$-\frac{1422\,137}{151\,290}$	$\frac{1512\,592}{75\,645}$	$-\frac{187\,075}{10\,086}$	$-\frac{3254\,644}{75\,645}$	$\frac{128}{15}$	$\frac{215\,144}{1681}$
5	-11	11	21	1	-11	1	$-\frac{336\,623}{50\,430}$	$\frac{378\,148}{25\,215}$	$-\frac{47\,189}{3362}$	$-\frac{738\,016}{25\,215}$	$\frac{32}{5}$	$\frac{157\,996}{1681}$
6	-11	12	13	8	-6	-4	$\frac{3508\,273}{26\,896}$	$-\frac{2559\,251}{13\,448}$	$\frac{4067\,181}{26\,896}$	$\frac{14\,032\,143}{13\,448}$	-81	$-\frac{5110\,371}{3362}$
7	-11	12	21	-4	-6	0	$-\frac{3483\,821}{605\,160}$	$\frac{4062\,611}{302\,580}$	$-\frac{1534\,973}{121\,032}$	$-\frac{7858\,027}{302\,580}$	$\frac{86}{15}$	$\frac{141\,583}{1681}$
8	-10	10	10	11	-4	-5	$\frac{72\,107\,769}{537\,920}$	$-\frac{53\,737\,519}{268\,960}$	$\frac{17\,250\,777}{107\,584}$	$\frac{284\,943\,663}{268\,960}$	$-\frac{1701}{20}$	$-\frac{21\,275\,379}{13\,448}$
9	-10	10	18	-1	-4	-1	$-\frac{597\,601}{151\,290}$	$\frac{756\,296}{75\,645}$	$-\frac{96\,059}{10\,086}$	$-\frac{1173\,452}{75\,645}$	$\frac{64}{15}$	$\frac{100\,848}{1681}$
10	-10	11	10	6	1	-6	$\frac{1141\,703}{8405}$	$-\frac{1705\,886}{8405}$	$\frac{274\,238}{1681}$	$\frac{8987\,112}{8405}$	$-\frac{432}{5}$	$-\frac{2694\,168}{1681}$
11	-10	11	18	0	-11	4	$-\frac{103\,067}{50\,430}$	$\frac{94\,537}{25\,215}$	$-\frac{11\,377}{3362}$	$-\frac{285\,364}{25\,215}$	$\frac{8}{5}$	$\frac{44\,542}{1681}$
12	-9	9	7	9	3	-7	$\frac{37\,025\,039}{268\,960}$	$-\frac{28\,145\,009}{134\,480}$	$\frac{9116\,415}{53\,792}$	$\frac{144\,622\,233}{134\,480}$	$-\frac{891}{10}$	$-\frac{11\,054\,637}{6724}$
13	-9	9	15	-3	3	-3	$-\frac{432\,329}{201\,720}$	$\frac{1987\,757}{302\,580}$	$-\frac{770\,443}{121\,032}$	$-\frac{509\,863}{100\,860}$	$\frac{14}{5}$	$\frac{60\,113}{1681}$
14	-9	9	15	3	-9	3	$-\frac{103\,067}{67\,240}$	$\frac{94\,537}{33\,620}$	$-\frac{34\,131}{13\,448}$	$-\frac{327\,389}{33\,620}$	$\frac{6}{5}$	$\frac{35\,928}{1681}$
15	-9	10	7	4	8	-8	$\frac{1868\,393}{13\,448}$	$-\frac{1421\,431}{6724}$	$\frac{2303\,021}{13\,448}$	$\frac{7285\,263}{6724}$	-90	$-\frac{2786\,823}{1681}$
16	-9	10	7	10	-4	-2	$-\frac{4414\,887}{2151\,680}$	$\frac{7657\,497}{1075\,840}$	$-\frac{3120\,983}{430\,336}$	$-\frac{7455\,969}{1075\,840}$	$\frac{243}{80}$	$\frac{2501\,685}{53\,792}$
17	-9	10	15	-2	-4	2	$-\frac{103\,067}{75\,645}$	$\frac{189\,074}{75\,645}$	$-\frac{11\,377}{5043}$	$-\frac{671\,588}{75\,645}$	$\frac{16}{15}$	$\frac{31\,936}{1681}$
18	-8	8	4	7	10	-9	$\frac{18\,757\,791}{134\,480}$	$-\frac{14\,497\,921}{67\,240}$	$\frac{4728\,607}{26\,896}$	$\frac{72\,725\,337}{67\,240}$	$-\frac{459}{5}$	$-\frac{5666\,301}{3362}$
19	-8	8	4	13	-2	-3	$-\frac{3965\,541}{8606\,720}$	$\frac{23\,106\,971}{4303\,360}$	$-\frac{10\,842\,229}{1721\,344}$	$\frac{10\,310\,733}{4303\,360}$	$\frac{729}{320}$	$\frac{7505\,055}{215\,168}$
20	-8	8	12	1	-2	1	$-\frac{103\,067}{100\,860}$	$\frac{94\,537}{50\,430}$	$-\frac{11\,377}{6724}$	$-\frac{411\,439}{50\,430}$	$\frac{4}{5}$	$\frac{27\,314}{1681}$
21	-8	8	20	-5	-14	11	$-\frac{21\,041\,671}{4841\,280}$	$\frac{2033\,009}{268\,960}$	$-\frac{6235\,127}{968\,256}$	$-\frac{67\,119\,617}{2420\,640}$	$\frac{193}{60}$	$\frac{666\,301}{13\,448}$
22	-8	9	4	2	15	-10	$\frac{9447\,239}{67\,240}$	$-\frac{7296\,229}{33\,620}$	$\frac{2378\,007}{13\,448}$	$\frac{36\,610\,413}{33\,620}$	$-\frac{462}{5}$	$-\frac{2848\,593}{1681}$
23	-8	9	4	8	3	-4	$-\frac{530\,269}{1075\,840}$	$\frac{2552\,499}{537\,920}$	$-\frac{1156\,877}{215\,168}$	$\frac{1145\,637}{537\,920}$	$\frac{81}{40}$	$\frac{833\,895}{26\,896}$
24	-8	9	12	-4	3	0	$-\frac{111\,131}{121\,032}$	$\frac{95\,033}{60\,516}$	$-\frac{163\,831}{121\,032}$	$-\frac{441\,697}{60\,516}$	$\frac{2}{3}$	$\frac{23\,137}{1681}$
25	-8	9	12	2	-9	6	$-\frac{103\,067}{268\,960}$	$\frac{94\,537}{134\,480}$	$-\frac{34\,131}{53\,792}$	$-\frac{125\,669}{134\,480}$	$\frac{3}{10}$	$\frac{20\,799}{6724}$
26	-8	9	20	2	-9	-2	$\frac{9859\,507}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2514\,531}{13\,448}$	$\frac{37\,113\,089}{33\,620}$	$-\frac{486}{5}$	$-\frac{2931\,789}{1681}$
27	-7	7	1	5	17	-11	$\frac{4707\,913}{33\,620}$	$-\frac{3695\,383}{16\,810}$	$\frac{1212\,793}{6724}$	$\frac{442\,671}{410}$	$-\frac{468}{5}$	$-\frac{2879\,478}{1681}$
28	-7	7	1	11	5	-5	$\frac{4864\,233}{4303\,360}$	$\frac{7791\,977}{2151\,680}$	$-\frac{4600\,263}{860\,672}$	$\frac{25\,222\,671}{2151\,680}$	$\frac{243}{160}$	$\frac{2501\,685}{107\,584}$
29	-7	7	9	-1	5	-1	$-\frac{103\,067}{151\,290}$	$\frac{94\,537}{75\,645}$	$-\frac{11\,377}{10\,086}$	$-\frac{562\,729}{75\,645}$	$\frac{8}{15}$	$\frac{22\,692}{1681}$
30	-7	7	9	5	-7	5	$-\frac{342\,821}{1075\,840}$	$\frac{283\,611}{537\,920}$	$-\frac{95\,669}{215\,168}$	$-\frac{276\,147}{537\,920}$	$\frac{9}{40}$	$\frac{32\,139}{26\,896}$
31	-7	7	17	5	-7	-3	$\frac{9758\,647}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2521\,255}{13\,448}$	$\frac{36\,575\,169}{33\,620}$	$-\frac{486}{5}$	$-\frac{2911\,617}{1681}$
32	-7	8	1	0	22	-12	$\frac{5690\,281}{40\,344}$	$-\frac{4453\,367}{20\,172}$	$\frac{2430\,239}{13\,448}$	$\frac{21\,932\,303}{20\,172}$	-94	$-\frac{2889\,773}{1681}$
33	-7	8	1	6	10	-6	$\frac{450\,817}{537\,920}$	$\frac{850\,833}{268\,960}$	$-\frac{475\,279}{107\,584}$	$\frac{2802\,519}{268\,960}$	$\frac{27}{20}$	$\frac{277\,965}{13\,448}$
34	-7	8	1	12	-2	0	$-\frac{25\,166\,487}{17\,213\,440}$	$\frac{6840\,937}{8606\,720}$	$\frac{894\,649}{3442\,688}$	$-\frac{73\,584\,369}{8606\,720}$	$\frac{243}{640}$	$\frac{2738\,853}{430\,336}$
35	-7	8	9	0	-2	4	$-\frac{103\,067}{403\,440}$	$\frac{94\,537}{201\,720}$	$-\frac{11\,377}{26\,896}$	$-\frac{58\,429}{201\,720}$	$\frac{1}{5}$	$\frac{3571}{3362}$
36	-7	8	17	-6	-14	14	$\frac{1326\,305}{645\,504}$	$-\frac{1168\,063}{322\,752}$	$\frac{668\,519}{215\,168}$	$\frac{4335\,895}{322\,752}$	$-\frac{37}{24}$	$-\frac{635\,845}{26\,896}$
37	-7	8	17	0	-2	-4	$\frac{9758\,647}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2521\,255}{13\,448}$	$\frac{36\,709\,649}{33\,620}$	$-\frac{486}{5}$	$-\frac{2918\,341}{1681}$
38	-6	6	-2	3	24	-13	$\frac{9384\,413}{67\,240}$	$-\frac{7485\,303}{33\,620}$	$\frac{2473\,165}{13\,448}$	$\frac{35\,987\,631}{33\,620}$	$-\frac{474}{5}$	$-\frac{2910\,363}{1681}$
39	-6	6	-2	9	12	-7	$\frac{5924\,771}{2151\,680}$	$\frac{2686\,979}{1075\,840}$	$-\frac{2286\,509}{430\,336}$	$\frac{22\,931\,397}{1075\,840}$	$\frac{81}{80}$	$\frac{833\,895}{53\,792}$
40	-6	6	6	-3	12	-3	$-\frac{80\,627}{201\,720}$	$\frac{281\,131}{302\,580}$	$-\frac{109\,217}{121\,032}$	$-\frac{764\,449}{100\,860}$	$\frac{2}{5}$	$\frac{22\,247}{1681}$
41	-6	6	6	3	0	3	$-\frac{136\,687}{537\,920}$	$\frac{94\,537}{268\,960}$	$-\frac{27\,407}{107\,584}$	$-\frac{24\,809}{268\,960}$	$\frac{3}{20}$	$-\frac{9459}{13\,448}$
42	-6	6	14	-3	-12	13	$\frac{1340\,641}{430\,336}$	$-\frac{10\,520\,503}{1936\,512}$	$\frac{17\,940\,829}{3873\,024}$	$\frac{4335\,895}{215\,168}$	$-\frac{37}{16}$	$-\frac{1904\,575}{53\,792}$
43	-6	6	14	3	0	-5	$\frac{9657\,787}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2527\,979}{13\,448}$	$\frac{36\,037\,249}{33\,620}$	$-\frac{486}{5}$	$-\frac{2891\,445}{1681}$
44	-6	6	22	-3	-12	5	$-\frac{20\,288\,869}{403\,440}$	$\frac{53\,164\,777}{605\,160}$	$-\frac{18\,159\,263}{242\,064}$	$-\frac{66\,567\,323}{201\,720}$	$\frac{187}{5}$	$\frac{1949\,069}{3362}$
45	-6	7	-2	-2	29	-14	$\frac{10\,661\,113}{75\,645}$	$-\frac{16\,867\,426}{75\,645}$	$\frac{922\,963}{5043}$	$\frac{81\,566\,722}{75\,645}$	$-\frac{1424}{15}$	$-\frac{2913\,800}{1681}$
46	-6	7	-2	4	17	-8	$\frac{598\,539}{268\,960}$	$\frac{283\,611}{134\,480}$	$-\frac{230\,149}{53\,792}$	$\frac{2547\,933}{134\,480}$	$\frac{9}{10}$	$\frac{92\,655}{6724}$
47	-6	7	-2	10	5	-2	$-\frac{71\,703}{53\,792}$	$-\frac{4263}{26\,896}$	$\frac{79\,261}{53\,792}$	$-\frac{209\,061}{26\,896}$	0	$\frac{14\,823}{13\,448}$
48	-6	7	6	-2	5	2	$-\frac{103\,067}{605\,160}$	$\frac{94\,537}{302\,580}$	$-\frac{11\,377}{40\,344}$	$\frac{42\,431}{302\,580}$	$\frac{2}{15}$	$-\frac{1051}{1681}$
49	-6	7	6	4	-7	8	$\frac{195\,099}{4303\,360}$	$\frac{283\,611}{2151\,680}$	$-\frac{203\,253}{860\,672}$	$-\frac{276\,147}{2151\,680}$	$\frac{9}{160}$	$\frac{213\,687}{107\,584}$
50	-6	7	14	-2	5	-6	$\frac{10\,867\,247}{75\,645}$	$-\frac{17\,245\,574}{75\,645}$	$\frac{315\,239}{1681}$	$\frac{81\,396\,998}{75\,645}$	$-\frac{1456}{15}$	$-\frac{2896\,984}{1681}$
51	-6	7	14	4	-7	0	$\frac{3}{2}$	0	$-\frac{1}{2}$	21	0	-18
52	-5	5	-5	1	31	-15	$\frac{27\,855\,073}{201\,720}$	$-\frac{22\,644\,983}{100\,860}$	$\frac{2516\,091}{13\,448}$	$\frac{106\,264\,271}{100\,860}$	$-\frac{478}{5}$	$-\frac{2930\,953}{1681}$
53	-5	5	-5	7	19	-9	$\frac{5023\,137}{1075\,840}$	$\frac{985\,313}{537\,920}$	$-\frac{1335\,951}{215\,168}$	$\frac{17\,326\,359}{537\,920}$	$\frac{27}{40}$	$\frac{277\,965}{26\,896}$
54	-5	5	3	1	7	1	$-\frac{203\,927}{806\,880}$	$\frac{94\,537}{403\,440}$	$-\frac{4653}{53\,792}$	$\frac{42\,431}{403\,440}$	$\frac{1}{10}$	$-\frac{16\,601}{6724}$
55	-5	5	3	7	-5	7	$\frac{3409\,377}{17\,213\,440}$	$\frac{985\,313}{8606\,720}$	$-\frac{1228\,367}{3442\,688}$	$\frac{2802\,519}{8606\,720}$	$\frac{27}{640}$	$\frac{1004\,157}{430\,336}$
56	-5	5	11	-5	-5	11	$\frac{1347\,809}{322\,752}$	$-\frac{3508\,157}{484\,128}$	$\frac{5962\,079}{968\,256}$	$\frac{4335\,895}{161\,376}$	$-\frac{37}{12}$	$-\frac{634\,365}{13\,448}$
57	-5	5	11	1	7	-7	$\frac{9556\,927}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2534\,703}{13\,448}$	$\frac{35\,364\,849}{33\,620}$	$-\frac{486}{5}$	$-\frac{2864\,549}{1681}$
58	-5	5	11	7	-5	-1	$\frac{3}{2}$	0	$-\frac{1}{2}$	27	0	-27
59	-5	6	-5	2	24	-10	$\frac{535\,713}{134\,480}$	$\frac{94\,537}{67\,240}$	$-\frac{134\,991}{26\,896}$	$\frac{1925\,151}{67\,240}$	$\frac{3}{5}$	$\frac{30\,885}{3362}$
60	-5	6	-5	8	12	-4	$-\frac{4487\,171}{4303\,360}$	$-\frac{3100\,099}{2151\,680}$	$\frac{2563\,597}{860\,672}$	$-\frac{12\,809\,637}{2151\,680}$	$-\frac{81}{160}$	$-\frac{596\,727}{107\,584}$
61	-5	6	3	-4	12	0	$-\frac{62\,747}{605\,160}$	$\frac{92\,057}{302\,580}$	$-\frac{40\,955}{121\,032}$	$\frac{42\,431}{302\,580}$	$\frac{2}{15}$	$-\frac{2547}{1681}$
62	-5	6	3	2	0	6	$\frac{333\,993}{2151\,680}$	$\frac{94\,537}{1075\,840}$	$-\frac{121\,543}{430\,336}$	$\frac{176\,911}{1075\,840}$	$\frac{3}{80}$	$\frac{111\,573}{53\,792}$
63	-5	6	3	14	0	-6	$\frac{18\,550\,719}{134\,480}$	$-\frac{15\,357\,159}{67\,240}$	$\frac{5185\,395}{26\,896}$	$\frac{71\,057\,493}{67\,240}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
64	-5	6	11	-4	-12	16	$-\frac{61\,153\,381}{38\,730\,240}$	$\frac{53\,358\,811}{19\,365\,120}$	$-\frac{18\,213\,877}{7746\,048}$	$-\frac{197\,196\,467}{19\,365\,120}$	$\frac{563}{480}$	$\frac{1923\,063}{107\,584}$
65	-5	6	11	2	0	-2	$\frac{3}{2}$	0	$-\frac{1}{2}$	26	0	-24
66	-5	6	19	-4	-12	8	$\frac{60\,902\,393}{2420\,640}$	$-\frac{52\,990\,583}{1210\,320}$	$\frac{18\,050\,057}{484\,128}$	$\frac{197\,366\,191}{1210\,320}$	$-\frac{559}{30}$	$-\frac{1933\,251}{6724}$

67	-4	4	-8	-1	38	-17	$\frac{40\,920\,767}{302\,580}$	$-\frac{34\,200\,097}{151\,290}$	$\frac{3856\,421}{20\,172}$	$\frac{155\,659\,369}{151\,290}$	$-\frac{1444}{15}$	$-\frac{2948\,106}{1681}$
68	-4	4	-8	5	26	-11	$\frac{3826\,059}{537\,920}$	$\frac{418\,091}{268\,960}$	$-\frac{875\,653}{107\,584}$	$\frac{12\,230\,493}{268\,960}$	$\frac{9}{20}$	$\frac{92\,655}{13\,448}$
69	-4	4	0	5	2	5	$\frac{3019\,179}{8606\,720}$	$\frac{418\,091}{4303\,360}$	$-\frac{821\,861}{1721\,344}$	$\frac{3354\,813}{4303\,360}$	$\frac{9}{320}$	$\frac{576\,783}{215\,168}$
70	-4	4	0	-1	14	-1	$-\frac{405\,647}{1210\,320}$	$\frac{94\,537}{605\,160}$	$\frac{8795}{80\,688}$	$\frac{42\,431}{605\,160}$,	$\frac{1}{15}$	$-\frac{14\,499}{3362}$
71	-4	4	0	17	2	-7	$\frac{1140\,878\,583}{8606\,720}$	$-\frac{992\,283\,273}{4303\,360}$	$\frac{344\,496\,807}{1721\,344}$	$\frac{4390\,200\,081}{4303\,360}$	$-\frac{31\,347}{320}$	$-\frac{382\,460\,373}{215\,168}$
72	-4	4	8	-1	-10	15	$-\frac{36\,851\,639}{15\,492\,096}$	$\frac{31\,939\,657}{7746\,048}$	$-\frac{6029\,227}{1721\,344}$	$-\frac{118\,351\,825}{7746\,048}$	$\frac{337}{192}$	$\frac{5746\,497}{215\,168}$
73	-4	4	8	-1	14	-9	$\frac{8508\,671}{60\,516}$	$-\frac{6915\,649}{30\,258}$	$\frac{31\,067}{164}$	$\frac{31\,097\,929}{30\,258}$	$-\frac{292}{3}$	$-\frac{2832\,114}{1681}$
74	-4	4	8	5	2	-3	$\frac{3}{2}$	0	$-\frac{1}{2}$	33	0	-36
75	-4	4	16	-1	-10	7	$\frac{108\,647}{2880}$	$-\frac{94\,777}{1440}$	$\frac{10\,781}{192}$	$\frac{352\,129}{1440}$	$-\frac{1681}{60}$	$-\frac{3453}{8}$
76	-4	4	24	-1	-10	-1	$-\frac{35\,023\,063}{75\,645}$	$\frac{62\,370\,946}{75\,645}$	$-\frac{87\,205}{123}$	$-\frac{218\,219\,602}{75\,645}$	$\frac{5264}{15}$	$\frac{8776\,872}{1681}$
77	-4	5	-8	0	31	-12	$\frac{1308\,973}{201\,720}$	$\frac{94\,537}{100\,860}$	$-\frac{92\,065}{13\,448}$	$\frac{4076\,831}{100\,860}$	$\frac{2}{5}$	$\frac{10\,295}{1681}$
78	-4	5	-8	6	19	-6	$-\frac{91\,417}{537\,920}$	$-\frac{954\,113}{268\,960}$	$\frac{544\,551}{107\,584}$	$-\frac{272\,079}{268\,960}$	$-\frac{27}{20}$	$-\frac{218\,673}{13\,448}$
79	-4	5	0	0	7	4	$\frac{1006\,393}{3227\,520}$	$\frac{94\,537}{1613\,760}$	$-\frac{85\,341}{215\,168}$	$\frac{849\,311}{1613\,760}$	$\frac{1}{40}$	$\frac{64\,087}{26\,896}$
80	-4	5	0	6	-5	10	$-\frac{158\,657}{8606\,720}$	$-\frac{954\,113}{4303\,360}$	$\frac{557\,999}{1721\,344}$	$\frac{1543\,401}{4303\,360}$	$-\frac{27}{320}$	$-\frac{400\,221}{215\,168}$
81	-4	5	0	12	7	-8	$\frac{8985\,387}{67\,240}$	$-\frac{3841\,391}{16\,810}$	$\frac{2638\,925}{13\,448}$	$\frac{34\,507\,539}{33\,620}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
82	-4	5	8	-6	-5	14	$-\frac{20\,306\,843}{9682\,560}$	$\frac{17\,899\,093}{4841\,280}$	$-\frac{2051\,065}{645\,504}$	$-\frac{66\,079\,021}{4841\,280}$	$\frac{63}{40}$	$\frac{645\,089}{26\,896}$
83	-4	5	8	0	7	-4	$\frac{3}{2}$	0	$-\frac{1}{2}$	32	0	-32
84	-4	5	8	6	-5	2	$\frac{1}{8}$	0	$-\frac{1}{8}$	$-\frac{27}{4}$	0	$\frac{27}{2}$
85	-3	3	-11	3	33	-13	$\frac{2754\,633}{268\,960}$	$\frac{229\,017}{134\,480}$	$-\frac{605\,671}{53\,792}$	$\frac{8380\,191}{134\,480}$	$\frac{3}{10}$	$\frac{30\,885}{6724}$
86	-3	3	-3	-3	21	-3	$-\frac{1905}{3362}$	$\frac{124}{15\,129}$	$\frac{16\,835}{30\,258}$	0	0	$-\frac{11\,952}{1681}$
87	-3	3	-3	3	9	3	$\frac{2351\,193}{4303\,360}$	$\frac{229\,017}{2151\,680}$	$-\frac{578\,775}{860\,672}$	$\frac{3000\,991}{2151\,680}$	$\frac{3}{160}$	$\frac{353\,637}{107\,584}$
88	-3	3	-3	15	9	-9	$\frac{109\,451\,115}{860\,672}$	$-\frac{100\,170\,837}{430\,336}$	$\frac{178\,564\,167}{860\,672}$	$\frac{423\,272\,061}{430\,336}$	$-\frac{3159}{32}$	$-\frac{192\,243\,861}{107\,584}$
89	-3	3	5	-3	-3	13	$-\frac{20\,517\,469}{6455\,040}$	$\frac{53\,169\,737}{9682\,560}$	$-\frac{18\,024\,583}{3873\,024}$	$-\frac{65\,760\,443}{3227\,520}$	$\frac{187}{80}$	$\frac{1911\,717}{53\,792}$
90	-3	3	5	3	9	-5	$\frac{3}{2}$	0	$-\frac{1}{2}$	40	0	-48
91	-3	3	5	9	-3	1	$\frac{5}{8}$	0	$-\frac{5}{8}$	$-\frac{27}{4}$	0	$\frac{81}{4}$
92	-3	3	13	-3	-3	5	$\frac{20\,288\,869}{403\,440}$	$-\frac{53\,164\,777}{605\,160}$	$\frac{18\,159\,263}{242\,064}$	$\frac{65\,760\,443}{201\,720}$	$-\frac{187}{5}$	$-\frac{1935\,621}{3362}$
93	-3	4	-11	-2	38	-14	$\frac{6130\,153}{605\,160}$	$\frac{101\,977}{302\,580}$	$-\frac{387\,821}{40\,344}$	$\frac{16\,986\,911}{302\,580}$	$\frac{2}{15}$	$\frac{3437}{1681}$
94	-3	4	-11	4	26	-8	$\frac{2263\,313}{1075\,840}$	$-\frac{3965\,583}{537\,920}$	$\frac{1762\,849}{215\,168}$	$\frac{147\,471}{13\,120}$	$-\frac{117}{40}$	$-\frac{967\,347}{26\,896}$
95	-3	4	-3	-2	14	2	$\frac{2620\,153}{4841\,280}$	$\frac{94\,537}{2420\,640}$	$-\frac{192\,925}{322\,752}$	$\frac{2463\,071}{2420\,640}$	$\frac{1}{60}$	$\frac{39\,293}{13\,448}$
96	-3	4	-3	4	2	8	$\frac{1994\,353}{17\,213\,440}$	$-\frac{3965\,583}{8606\,720}$	$\frac{1816\,641}{3442\,688}$	$\frac{245\,871}{209\,920}$	$-\frac{117}{640}$	$-\frac{1451\,475}{430\,336}$
97	-3	4	-3	10	14	-10	$\frac{8581\,947}{67\,240}$	$-\frac{7691\,187}{33\,620}$	$\frac{2709\,527}{13\,448}$	$\frac{33\,145\,929}{33\,620}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
98	-3	4	5	-2	-10	18	$\frac{187\,875\,913}{154\,920\,960}$	$-\frac{159\,131\,063}{77\,460\,480}$	$\frac{5912\,337}{3442\,688}$	$\frac{594\,434\,351}{77\,460\,480}$	$-\frac{1679}{1920}$	$-\frac{5699\,011}{430\,336}$
99	-3	4	5	-2	14	-6	$\frac{889\,847}{605\,160}$	$-\frac{87\,097}{302\,580}$	$-\frac{657}{13\,448}$	$\frac{12\,060\,769}{302\,580}$	$-\frac{2}{15}$	$-\frac{75\,149}{1681}$
100	-3	4	5	4	2	0	$\frac{1}{4}$	0	$-\frac{1}{4}$	$-\frac{15}{2}$	0	18
101	-3	4	13	-2	-10	10	$-\frac{108\,647}{5760}$	$\frac{94\,777}{2880}$	$-\frac{10\,781}{384}$	$-\frac{350\,689}{2880}$	$\frac{1681}{120}$	$\frac{3437}{16}$
102	-3	4	21	-2	-10	2	$\frac{91\,762\,727}{302\,580}$	$-\frac{79\,703\,617}{151\,290}$	$\frac{9060\,445}{20\,172}$	$\frac{300\,784\,489}{151\,290}$	$-\frac{3364}{15}$	$-\frac{5852\,746}{1681}$
103	-2	2	-14	1	40	-15	$\frac{5645\,953}{403\,440}$	$\frac{497\,977}{201\,720}$	$-\frac{421\,541}{26\,896}$	$\frac{16\,986\,911}{201\,720}$	$\frac{1}{5}$	$\frac{10\,295}{3362}$
104	-2	2	-6	1	16	1	$\frac{5040\,793}{6455\,040}$	$\frac{497\,977}{3227\,520}$	$-\frac{408\,093}{430\,336}$	$\frac{7304\,351}{3227\,520}$	$\frac{1}{80}$	$\frac{225\,463}{53\,792}$
105	-2	2	-6	13	16	-11	$\frac{259\,723\,191}{2151\,680}$	$-\frac{255\,005\,161}{1075\,840}$	$\frac{94\,118\,567}{430\,336}$	$\frac{1012\,119\,057}{1075\,840}$	$-\frac{8019}{80}$	$-\frac{97\,135\,605}{53\,792}$
106	-2	2	2	-5	4	11	$-\frac{10\,311\,391}{2420\,640}$	$\frac{8817\,661}{1210\,320}$	$-\frac{2967\,847}{484\,128}$	$-\frac{32\,800\,577}{1210\,320}$	$\frac{31}{10}$	$\frac{316\,657}{6724}$
107	-2	2	2	1	-8	17	$\frac{781\,985}{430\,336}$	$-\frac{661\,759}{215\,168}$	$\frac{1107\,173}{430\,336}$	$\frac{2486\,719}{215\,168}$	$-\frac{21}{16}$	$-\frac{1067\,527}{53\,792}$
108	-2	2	2	1	16	-7	$\frac{3}{2}$	0	$-\frac{1}{2}$	48	0	-64
109	-2	2	2	7	4	-1	$\frac{9}{8}$	0	$-\frac{9}{8}$	$-\frac{27}{4}$	0	27
110	-2	2	10	1	-8	9	$-\frac{108\,647}{3840}$	$\frac{94\,777}{1920}$	$-\frac{10\,781}{256}$	$-\frac{350\,689}{1920}$,	$\frac{1681}{80}$	$\frac{10\,295}{32}$
111	-2	2	18	1	-8	1	$\frac{109\,007}{240}$	$-\frac{94\,777}{120}$	$\frac{10\,773}{16}$	$\frac{356\,449}{120}$	$-\frac{1681}{5}$	$-\frac{10\,423}{2}$
112	-2	3	-14	2	33	-10	$\frac{98\,663}{13\,448}$	$-\frac{98\,141}{6724}$	$\frac{178\,395}{13\,448}$	$\frac{264\,405}{6724}$	-6	$-\frac{124\,779}{1681}$
113	-2	3	-6	-4	21	0	$\frac{2059\,847}{2420\,640}$	$-\frac{84\,617}{1210\,320}$	$-\frac{362\,185}{484\,128}$	$\frac{2378\,209}{1210\,320}$	$-\frac{1}{30}$	$\frac{20\,483}{6724}$
114	-2	3	-6	2	9	6	$\frac{91\,939}{215\,168}$	$-\frac{98\,141}{107\,584}$	$\frac{185\,119}{215\,168}$	$\frac{318\,197}{107\,584}$	$-\frac{3}{8}$	$-\frac{165\,123}{26\,896}$
115	-2	3	-6	8	21	-12	$\frac{8010\,407}{67\,240}$	$-\frac{7707\,997}{33\,620}$	$\frac{2817\,111}{13\,448}$	$\frac{31\,330\,449}{33\,620}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
116	-2	3	2	-4	-3	16	$\frac{196\,757}{121\,032}$	$-\frac{41\,465}{15\,129}$	$\frac{276\,373}{121\,032}$	$\frac{620\,419}{60\,516}$	$-\frac{7}{6}$	$-\frac{237\,415}{13\,448}$
117	-2	3	2	2	9	-2	$\frac{1}{2}$	0	$-\frac{1}{2}$	-8	0	24
118	-2	3	2	8	-3	4	$-\frac{37}{32}$	$-\frac{1}{16}$	$\frac{39}{32}$	$-\frac{27}{16}$	0	$-\frac{81}{8}$
119	-2	3	10	-4	-3	8	$-\frac{60\,902\,393}{2420\,640}$	$\frac{52\,990\,583}{1210\,320}$	$-\frac{18\,050\,057}{484\,128}$	$-\frac{196\,155\,871}{1210\,320}$	$\frac{559}{30}$	$\frac{1919\,803}{6724}$
120	-2	3	10	8	-3	-4	$\frac{9254\,347}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2554\,875}{13\,448}$	$\frac{32\,238\,189}{33\,620}$	$-\frac{486}{5}$	$-\frac{2699\,811}{1681}$
121	-1	1	-17	-1	47	-17	$\frac{5403\,853}{302\,580}$	$\frac{695\,977}{151\,290}$	$-\frac{438\,401}{20\,172}$	$\frac{16\,986\,911}{151\,290}$	$\frac{4}{15}$	$\frac{6858}{1681}$
122	-1	1	-9	-1	23	-1	$\frac{9882\,073}{9682\,560}$	$\frac{1304\,857}{4841\,280}$	$-\frac{838\,429}{645\,504}$	$\frac{16\,986\,911}{4841\,280}$	$\frac{1}{120}$	$\frac{146\,877}{26\,896}$
123	-1	1	-9	11	23	-13	$\frac{122\,412\,039}{1075\,840}$	$-\frac{131\,946\,169}{537\,920}$	$\frac{50\,766\,135}{215\,168}$	$\frac{481\,784\,193}{537\,920}$	$-\frac{4131}{40}$	$-\frac{49\,581\,477}{26\,896}$
124	-1	1	-1	-1	-1	15	$\frac{375\,153\,287}{154\,920\,960}$	$-\frac{317\,335\,417}{77\,460\,480}$	$\frac{11\,802\,431}{3442\,688}$	$\frac{1196\,003\,329}{77\,460\,480}$	$-\frac{3361}{1920}$	$-\frac{11\,381\,421}{430\,336}$
125	-1	1	-1	-1	23	-9	$\frac{925\,633}{605\,160}$	$\frac{87\,097}{302\,580}$	$-\frac{12\,791}{13\,448}$	$\frac{16\,986\,911}{302\,580}$	$\frac{2}{15}$	$-\frac{140\,019}{1681}$
126	-1	1	-1	5	11	-3	2	0	-2	-6	0	36
127	-1	1	-1	11	-1	3	$-\frac{599\,553}{419\,840}$	$-\frac{9156\,137}{8606\,720}$	$\frac{9888\,135}{3442\,688}$	$-\frac{4979\,151}{8606\,720}$	$-\frac{243}{640}$	$-\frac{8563\,077}{430\,336}$
128	-1	1	7	-1	-1	7	$-\frac{108\,647}{2880}$	$\frac{94\,777}{1440}$	$-\frac{10\,781}{192}$	$-\frac{350\,689}{1440}$	$\frac{1681}{60}$	$\frac{3429}{8}$
129	-1	1	7	11	-1	-5	$\frac{9187\,107}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2554\,875}{13\,448}$	$\frac{30\,422\,709}{33\,620}$	$-\frac{486}{5}$	$-\frac{2563\,650}{1681}$
130	-1	1	15	-1	-1	-1	$\frac{366\,196\,847}{605\,160}$	$-\frac{318\,553\,177}{302\,580}$	$\frac{36\,207\,349}{40\,344}$	$\frac{1196\,003\,329}{302\,580}$	$-\frac{6722}{15}$	$-\frac{11\,668\,317}{1681}$
131	-1	2	-17	0	40	-12	$\frac{14\,867\,567}{806\,880}$	$-\frac{11\,468\,017}{403\,440}$	$\frac{1189\,749}{53\,792}$	$\frac{40\,561\,849}{403\,440}$	$-\frac{121}{10}$	$-\frac{1008\,527}{6724}$
132	-1	2	-9	0	16	4	$\frac{14\,060\,687}{12\,910\,080}$	$-\frac{11\,468\,017}{6455\,040}$	$\frac{1243\,541}{860\,672}$	$\frac{43\,789\,369}{6455\,040}$	$-\frac{121}{160}$	$-\frac{1223\,695}{107\,584}$
133	-1	2	-9	6	28	-14	$\frac{7203\,527}{67\,240}$	$-\frac{7741\,617}{33\,620}$	$\frac{2978\,487}{13\,448}$	$\frac{28\,909\,809}{33\,620}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
134	-1	2	-1	-6	4	14	$\frac{42\,023\,519}{19\,365\,120}$	$-\frac{35\,703\,649}{9682\,560}$	$\frac{3989\,893}{1291\,008}$	$\frac{133\,410\,793}{9682\,560}$	$-\frac{377}{240}$	$-\frac{1277\,781}{53\,792}$
135	-1	2	-1	0	-8	20	$-\frac{1411\,515}{1721\,344}$	$\frac{1232\,101}{860\,672}$	$-\frac{2103\,191}{1721\,344}$	$-\frac{4554\,381}{860\,672}$	$\frac{39}{64}$	$\frac{2000\,189}{215\,168}$

136	-1	2	-1	0	16	-4	1	0	-1	-8	0	32
137	-1	2	-1	6	4	2	$-\frac{29}{16}$	$-\frac{1}{8}$	$\frac{31}{16}$	$-\frac{27}{8}$	0	$-\frac{27}{2}$
138	-1	2	7	0	-8	12	$\frac{109\,127}{7680}$	$-\frac{94\,777}{3840}$	$\frac{10\,749}{512}$	$\frac{351\,169}{3840}$	$-\frac{1681}{160}$	$-\frac{10\,247}{64}$
139	-1	2	7	6	4	-6	$\frac{9153\,487}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2561\,599}{13\,448}$	$\frac{30\,725\,289}{33\,620}$	$-\frac{486}{5}$	$-\frac{2609\,037}{1681}$
140	0	0	-12	-3	30	-3	$\frac{1920\,793}{1613\,760}$	$\frac{1474\,091}{2420\,640}$	$-\frac{1790\,917}{968\,256}$	$\frac{4076\,831}{806\,880}$	$\frac{1}{20}$	$\frac{105\,911}{13\,448}$
141	0	0	-12	9	30	-15	$\frac{58\,328\,783}{537\,920}$	$-\frac{70\,282\,193}{268\,960}$	$\frac{28\,229\,247}{107\,584}$	$\frac{231\,140\,601}{268\,960}$	$-\frac{2187}{20}$	$-\frac{25\,804\,413}{13\,448}$
142	-1	2	15	0	-8	4	$-\frac{108\,647}{480}$	$\frac{94\,777}{240}$	$-\frac{10\,781}{32}$	$-\frac{353\,089}{240}$	$\frac{1681}{10}$	$\frac{10\,375}{4}$
143	0	0	-4	-3	6	13	$\frac{83\,076\,269}{25\,820\,160}$	$-\frac{211\,185\,017}{38\,730\,240}$	$\frac{70\,846\,135}{15\,492\,096}$	$\frac{266\,311\,723}{12\,910\,080}$	$-\frac{747}{320}$	$-\frac{7582\,781}{215\,168}$
144	0	0	-4	3	18	-5	$\frac{7}{2}$	0	$-\frac{7}{2}$	-4	0	48
145	0	0	-4	9	6	1	$-\frac{356\,833}{209\,920}$	$-\frac{8887\,177}{4303\,360}$	$\frac{7790\,247}{1721\,344}$	$\frac{2282\,769}{4303\,360}$	$-\frac{243}{320}$	$-\frac{6384\,501}{215\,168}$
146	0	0	4	-3	6	5	$-\frac{20\,288\,869}{403\,440}$	$\frac{53\,164\,777}{605\,160}$	$-\frac{18\,159\,263}{242\,064}$	$-\frac{65\,558\,723}{201\,720}$	$\frac{187}{5}$	$\frac{1922\,173}{3362}$
147	0	0	4	3	-6	11	$\frac{109\,767}{5120}$	$-\frac{94\,777}{2560}$	$\frac{32\,119}{1024}$	$\frac{351\,809}{2560}$	$-\frac{5043}{320}$	$-\frac{30\,693}{128}$
148	0	0	4	9	6	-7	$\frac{9119\,867}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2554\,875}{13\,448}$,	$\frac{28\,607\,229}{33\,620}$	$-\frac{486}{5}$	$-\frac{2427\,489}{1681}$
149	0	0	12	3	-6	3	$-\frac{108\,647}{320}$	$\frac{94\,777}{160}$	$-\frac{32\,343}{64}$	$-\frac{352\,449}{160}$	$\frac{5043}{20}$	$\frac{31\,077}{8}$
150	0	1	-20	-2	47	-14	$\frac{24\,640\,127}{605\,160}$	$-\frac{16\,557\,037}{302\,580}$	$\frac{1540\,133}{40\,344}$	$\frac{69\,336\,229}{302\,580}$	$-\frac{362}{15}$	$-\frac{502\,553}{1681}$
151	0	1	-12	-2	23	2	$\frac{11\,705\,957}{4841\,280}$	$-\frac{8322\,067}{2420\,640}$	$\frac{819\,511}{322\,752}$	$\frac{35\,857\,219}{2420\,640}$	$-\frac{91}{60}$	$-\frac{288\,851}{13\,448}$
152	0	1	-12	4	35	-16	$\frac{6094\,067}{67\,240}$	$-\frac{7808\,857}{33\,620}$	$\frac{3213\,827}{13\,448}$	$\frac{25\,682\,289}{33\,620}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
153	0	1	-4	-2	-1	18	$-\frac{160\,434\,013}{154\,920\,960}$	$\frac{142\,676\,003}{77\,460\,480}$	$-\frac{5467\,717}{3442\,688}$	$-\frac{519\,004\,091}{77\,460\,480}$	$\frac{1499}{1920}$	$\frac{5159\,551}{430\,336}$
154	0	1	-4	-2	23	-6	$\frac{1228\,213}{605\,160}$	$\frac{87\,097}{302\,580}$	$-\frac{32\,963}{13\,448}$	$-\frac{2378\,209}{302\,580}$	$\frac{2}{15}$	$\frac{75\,149}{1681}$
155	0	1	-4	4	11	0	$-\frac{11}{4}$	$-\frac{1}{4}$	3	-6	0	-18
156	0	1	4	-2	-1	10	$\frac{109\,367}{5760}$	$-\frac{94\,777}{2880}$	$\frac{10\,733}{384}$	$\frac{351\,409}{2880}$	$-\frac{1681}{120}$	$-\frac{3413}{16}$
157	0	1	4	4	11	-8	$\frac{9052\,627}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2568\,323}{13\,448}$	$\frac{28\,909\,809}{33\,620}$	$-\frac{486}{5}$	$-\frac{2488\,005}{1681}$
158	0	1	4	10	-1	-2	$-\frac{9}{8}$	0	$\frac{17}{8}$	$\frac{243}{4}$	0	$-\frac{243}{2}$
159	0	1	12	-2	-1	2	$-\frac{91\,308\,857}{302\,580}$	$\frac{79\,703\,617}{151\,290}$	$-\frac{9070\,531}{20\,172}$	$-\frac{296\,548\,369}{151\,290}$	$\frac{3364}{15}$	$\frac{5812\,402}{1681}$
160	1	-1	-15	7	37	-17	$\frac{5902\,935}{53\,792}$	$-\frac{7863\,145}{26\,896}$	$\frac{16\,315\,299}{53\,792}$	$\frac{23\,100\,273}{26\,896}$	$-\frac{243}{2}$	$-\frac{13\,915\,881}{6724}$
161	1	-1	-7	-5	13	11	$\frac{165\,181\,769}{38\,730\,240}$	$-\frac{46\,592\,573}{6455\,040}$	$\frac{46\,906\,777}{7746\,048}$	$\frac{532\,113\,583}{19\,365\,120}$	$-\frac{1487}{480}$	$-\frac{5027\,219}{107\,584}$
162	1	-1	-7	1	25	-7	6	0	-6	0	0	64
163	1	-1	-7	7	13	-1	$-\frac{166\,593}{104\,960}$	$-\frac{8618\,217}{2151\,680}$	$\frac{6122\,695}{860\,672}$	$\frac{9544\,689}{2151\,680}$	$-\frac{243}{160}$	$-\frac{4932\,117}{107\,584}$
164	1	-1	1	1	1	9	$\frac{110\,087}{3840}$	$-\frac{94\,777}{1920}$	$\frac{10\,685}{256}$	$\frac{352\,129}{1920}$	$-\frac{1681}{80}$	$-\frac{10\,223}{32}$
165	1	-1	1	7	13	-9	$\frac{9086\,247}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2548\,151}{13\,448}$	$\frac{26\,489\,169}{33\,620}$	$-\frac{486}{5}$	$-\frac{2245\,941}{1681}$
166	1	-1	1	13	1	-3	$-\frac{51}{8}$	$-\frac{1}{4}$	$\frac{61}{8}$	$\frac{243}{4}$	0	$-\frac{729}{4}$
167	1	-1	9	1	1	1	$-\frac{108\,647}{240}$	$\frac{94\,777}{120}$	$-\frac{10\,781}{16}$	$-\frac{352\,129}{120}$	$\frac{1681}{5}$	$\frac{10\,351}{2}$
168	1	0	-15	-4	30	0	$\frac{48\,466\,513}{9682\,560}$	$-\frac{31\,644\,943}{4841\,280}$	$\frac{8767\,585}{1936\,512}$	$\frac{150\,902\,951}{4841\,280}$	$-\frac{359}{120}$	$-\frac{1090\,459}{26\,896}$
169	1	0	-15	2	42	-18	$\frac{4648\,407}{67\,240}$	$-\frac{7943\,337}{33\,620}$	$\frac{3543\,303}{13\,448}$	$\frac{21\,378\,929}{33\,620}$	$-\frac{486}{5}$	$-\frac{2972\,133}{1681}$
170	1	0	-7	-4	6	16	$-\frac{197\,563\,699}{154\,920\,960}$	$\frac{180\,317\,389}{77\,460\,480}$	$-\frac{62\,948\,515}{30\,984\,192}$	$-\frac{636\,141\,173}{77\,460\,480}$	$\frac{1877}{1920}$	$\frac{6534\,961}{430\,336}$
171	1	0	-7	2	18	-2	-4	$-\frac{1}{2}$	$\frac{9}{2}$	-10	0	-24
172	1	0	1	-4	6	8	$\frac{61\,507\,553}{2420\,640}$	$-\frac{52\,990\,583}{1210\,320}$	$\frac{17\,929\,025}{484\,128}$	$\frac{196\,761\,031}{1210\,320}$	$-\frac{559}{30}$	$-\frac{1906\,355}{6724}$
173	1	0	1	2	-6	14	$-\frac{111\,207}{10\,240}$	$\frac{94\,617}{5120}$	$-\frac{31\,767}{2048}$	$-\frac{354\,209}{5120}$	$\frac{5043}{640}$	$\frac{30\,549}{256}$
174	1	0	1	2	18	-10	$\frac{8951\,767}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2575\,047}{13\,448}$	$\frac{26\,758\,129}{33\,620}$	$\frac{486}{5}$	$-\frac{2326\,629}{1681}$
175	1	0	1	8	6	-4	$-\frac{13}{4}$	0	$\frac{17}{4}$	$\frac{135}{2}$	0	-162
176	1	0	9	2	-6	6	$\frac{108\,647}{640}$	$-\frac{94\,777}{320}$	$\frac{32\,343}{128}$	$\frac{351\,009}{320}$	$-\frac{5043}{40}$	$-\frac{30\,933}{16}$
177	1	0	17	2	-6	-2	$-\frac{4342\,096}{1681}$	$\frac{7582\,288}{1681}$	$-\frac{6474\,192}{1681}$	$-\frac{28\,164\,400}{1681}$	1920	$\frac{49\,671\,744}{1681}$
178	2	-2	-18	5	44	-19	$\frac{17\,326\,541}{134\,480}$	$-\frac{23\,698\,011}{67\,240}$	$\frac{9887\,645}{26\,896}$	$\frac{64\,136\,787}{67\,240}$	$-\frac{729}{5}$	$-\frac{7971\,615}{3362}$
179	2	-2	-10	-1	32	-9	$\frac{6033\,707}{605\,160}$	$-\frac{87\,097}{302\,580}$	$-\frac{128\,413}{13\,448}$	$\frac{2378\,209}{302\,580}$	$-\frac{2}{15}$	$\frac{140\,019}{1681}$
180	2	-2	-10	5	20	-3	$-\frac{22\,273}{52\,480}$	$-\frac{8349\,257}{1075\,840}$	$\frac{4831\,687}{430\,336}$	$\frac{15\,999\,729}{1075\,840}$	$-\frac{243}{80}$	$-\frac{3963\,861}{53\,792}$
181	2	-2	-2	-1	8	7	$\frac{110\,447}{2880}$	$-\frac{94\,777}{1440}$	$\frac{10\,661}{192}$	$\frac{352\,489}{1440}$	$-\frac{1681}{60}$	$-\frac{3405}{8}$
182	2	-2	-2	5	-4	13	$-\frac{6699\,487}{419\,840}$	$\frac{234\,805\,577}{8606\,720}$	$-\frac{79\,083\,239}{3442\,688}$	$-\frac{877\,069\,329}{8606\,720}$	$\frac{7443}{640}$	$\frac{75\,894\,597}{430\,336}$
183	2	-2	-2	5	20	-11	$\frac{9119\,867}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2527\,979}{13\,448}$	$\frac{24\,068\,529}{33\,620}$	$-\frac{486}{5}$	$-\frac{2003\,877}{1681}$
184	2	-2	-2	11	8	-5	$-\frac{93}{8}$	$-\frac{1}{2}$	$\frac{105}{8}$	$\frac{243}{4}$	0	-243
185	2	-2	6	-1	8	-1	$-\frac{365\,289\,107}{605\,160}$	$\frac{318\,553\,177}{302\,580}$	$-\frac{36\,227\,521}{40\,344}$	$-\frac{1182\,689\,809}{302\,580}$	$\frac{6722}{15}$	$\frac{11\,587\,629}{1681}$
186	2	-2	6	5	-4	5	$\frac{326\,261}{1280}$	$-\frac{284\,331}{640}$	$\frac{96\,965}{256}$	$\frac{1053\,027}{640}$	$-\frac{15\,129}{80}$	$-\frac{92\,655}{32}$
187	2	-2	14	5	-4	-3	$-\frac{530\,205\,007}{134\,480}$	$\frac{462\,611\,657}{67\,240}$	$-\frac{157\,942\,207}{26\,896}$	$-\frac{1722\,001\,329}{67\,240}$	$\frac{14\,643}{5}$	$\frac{151\,745\,301}{3362}$
188	2	-1	-18	0	49	-20	$\frac{2195\,867}{50\,430}$	$-\frac{6180\,997}{25\,215}$	$\frac{999\,641}{3362}$	$\frac{11\,787\,469}{25\,215}$	$-\frac{488}{5}$	$-\frac{2982\,412}{1681}$
189	2	-1	-10	-6	13	14	$-\frac{1617\,069}{1075\,840}$	$\frac{1554\,819}{537\,920}$	$-\frac{555\,293}{215\,168}$	$-\frac{5150\,683}{537\,920}$	$\frac{143}{120}$	$\frac{507\,913}{26\,896}$
190	2	-1	-10	0	25	-4	$-\frac{11}{2}$	-1	$\frac{13}{2}$	-16	0	-32
191	2	-1	-2	0	1	12	$-\frac{111\,287}{7680}$	$\frac{94\,537}{3840}$	$-\frac{10\,573}{512}$	$-\frac{354\,769}{3840}$	$\frac{1681}{160}$	$\frac{10\,175}{64}$
192	2	-1	-2	0	25	-12	$\frac{6633\,707}{50\,430}$	$-\frac{5777\,557}{25\,215}$	$\frac{649\,993}{3362}$	$\frac{18\,242\,509}{25\,215}$	$-\frac{488}{5}$	$-\frac{2121\,740}{1681}$
193	2	-1	-2	6	13	-6	-7	0	8	72	0	-216
194	2	-1	-2	12	1	0	$\frac{786\,513}{104\,960}$	$\frac{9290\,617}{2151\,680}$	$-\frac{11\,474\,999}{860\,672}$	$-\frac{5913\,729}{2151\,680}$	$\frac{243}{160}$	$\frac{11\,830\,941}{107\,584}$
195	2	-1	6	0	1	4	$\frac{108\,647}{480}$	$-\frac{94\,777}{240}$	$\frac{10\,781}{32}$	$\frac{350\,929}{240}$	$-\frac{1681}{10}$	$-\frac{10\,303}{4}$
196	2	-1	14	0	1	-4	$-\frac{5866\,730}{1681}$	$\frac{10\,236\,172}{1681}$	$-\frac{8736\,434}{1681}$	$-\frac{38\,111\,276}{1681}$	2592	$\frac{67\,155\,632}{1681}$
197	3	-3	-21	3	51	-21	$\frac{6339\,067}{33\,620}$	$-\frac{7877\,337}{16\,810}$	$\frac{3172\,171}{6724}$	$\frac{21\,378\,929}{16\,810}$	$-\frac{972}{5}$	$-\frac{4999\,482}{1681}$
198	3	-3	-13	3	27	-5	$\frac{82\,687}{26\,240}$	$-\frac{8080\,297}{537\,920}$	$\frac{3863\,431}{215\,168}$	$\frac{21\,378\,929}{537\,920}$	$-\frac{243}{40}$	$-\frac{3318\,357}{26\,896}$
199	3	-3	-5	-3	15	5	$\frac{20\,692\,309}{403\,440}$	$-\frac{53\,164\,777}{605\,160}$	$\frac{17\,917\,199}{242\,064}$	$\frac{65\,962\,163}{201\,720}$	$-\frac{187}{5}$	$-\frac{1908\,725}{3362}$
200	3	-3	-5	3	3	11	$-\frac{8839\,487}{419\,840}$	$\frac{310\,559\,977}{8606\,720}$	$-\frac{104\,766\,151}{3442\,688}$	$-\frac{1158\,713\,329}{8606\,720}$	$\frac{9843}{640}$	$\frac{100\,436\,325}{430\,336}$
201	3	-3	-5	3	27	-13	$\frac{9287\,967}{67\,240}$	$-\frac{7674\,377}{33\,620}$	$\frac{2480\,911}{13\,448}$	$\frac{21\,378\,929}{33\,620}$	$-\frac{486}{5}$	$-\frac{1681\,125}{1681}$
202	3	-3	-5	9	15	-7	-20	-1	22	54	0	-324
203	3	-3	3	3	3	3	$\frac{108\,807}{320}$	$-\frac{94\,777}{160}$	$\frac{32\,311}{64}$	$\frac{351\,009}{160}$	$-\frac{5043}{20}$	$-\frac{30\,861}{8}$
204	3	-3	11	3	3	-5	$-\frac{356\,521\,167}{67\,240}$	$\frac{310\,965\,897}{33\,620}$	$-\frac{106\,148\,671}{13\,448}$	$-\frac{1158\,713\,329}{33\,620}$	$\frac{19\,686}{5}$	$\frac{102\,073\,557}{1681}$

205	3	−2	−13	−2	32	−6	$-\frac{4254\,013}{605\,160}$	$-\frac{692\,257}{302\,580}$	$\frac{127\,099}{13\,448}$	$-\frac{7304\,351}{302\,580}$	$-\frac{2}{15}$	$-\frac{75\,149}{1681}$
206	3	−2	−5	−2	8	10	$-\frac{111\,167}{5760}$	$\frac{94\,417}{2880}$	$-\frac{10\,565}{384}$	$-\frac{355\,369}{2880}$	$\frac{1681}{120}$	$\frac{3389}{16}$
207	3	−2	−5	4	20	−8	$-\frac{27}{2}$	0	$\frac{29}{2}$	72	0	−288
208	3	−2	−5	10	8	−2	$\frac{510\,993}{52\,480}$	$\frac{9021\,657}{1075\,840}$	$-\frac{9108\,151}{430\,336}$	$-\frac{5913\,729}{1075\,840}$	$\frac{243}{80}$	$\frac{8563\,077}{53\,792}$
209	3	−2	3	−2	8	2	$\frac{91\,308\,857}{302\,580}$	$-\frac{79\,703\,617}{151\,290}$	$\frac{9070\,531}{20\,172}$	$\frac{295\,035\,469}{151\,290}$	$-\frac{3364}{15}$	$-\frac{5772\,058}{1681}$
210	3	−2	3	4	−4	8	$-\frac{328\,341}{2560}$	$\frac{284\,331}{1280}$	$-\frac{96\,549}{512}$	$-\frac{1054\,467}{1280}$	$\frac{15\,129}{160}$	$\frac{92\,223}{64}$
211	3	−2	11	4	−4	0	$\frac{326\,181}{160}$	$-\frac{284\,331}{80}$	$\frac{97\,013}{32}$	$\frac{1060\,227}{80}$	$-\frac{15\,129}{10}$	$-\frac{93\,375}{4}$
212	4	−4	−24	1	58	−23	$\frac{8410\,667}{25\,215}$	$-\frac{17\,451\,014}{25\,215}$	$\frac{1086\,265}{1681}$	$\frac{52\,349\,318}{25\,215}$	$-\frac{1456}{5}$	$-\frac{7016\,552}{1681}$
213	4	−4	−16	1	34	−7	$\frac{154\,847}{13\,120}$	$-\frac{7811\,337}{268\,960}$	$\frac{3164\,135}{107\,584}$	$\frac{25\,682\,289}{268\,960}$	$-\frac{243}{20}$	$-\frac{2888\,021}{13\,448}$
214	4	−4	−8	1	10	9	$-\frac{17\,392\,927}{629\,760}$	$\frac{613\,846\,537}{12\,910\,080}$	$-\frac{69\,219\,725}{1721\,344}$	$-\frac{2283\,406\,609}{12\,910\,080}$	$\frac{6481}{320}$	$\frac{66\,227\,975}{215\,168}$
215	4	−4	−8	1	34	−15	$\frac{14\,596\,487}{100\,860}$	$-\frac{11\,468\,017}{50\,430}$	$\frac{1180\,925}{6724}$	$\frac{27\,651\,769}{50\,430}$	$-\frac{484}{5}$	$-\frac{1240\,510}{1681}$
216	4	−4	−8	7	22	−9	−33	−2	36	36	0	−432
217	4	−4	0	1	10	1	$\frac{108\,887}{240}$	$-\frac{94\,777}{120}$	$\frac{10\,765}{16}$	$\frac{351\,049}{120}$	$-\frac{1681}{5}$	$-\frac{10\,279}{2}$
218	4	−4	0	7	−2	7	$-\frac{988\,863}{5120}$	$\frac{852\,673}{2560}$	$-\frac{288\,751}{1024}$	$-\frac{3169\,161}{2560}$	$\frac{45\,387}{320}$	$\frac{276\,237}{128}$
219	4	−4	8	1	10	−7	$-\frac{239\,186\,567}{33\,620}$	$\frac{208\,604\,177}{16\,810}$	$-\frac{71\,202\,935}{6724}$	$-\frac{777\,600\,569}{16\,810}$	$\frac{26\,412}{5}$	$\frac{136\,991\,482}{1681}$
220	4	−4	8	7	−2	−1	$\frac{978\,303}{320}$	$-\frac{852\,993}{160}$	$\frac{291\,055}{64}$	$\frac{3174\,921}{160}$	$-\frac{45\,387}{20}$	$-\frac{279\,693}{8}$
221	4	−3	−8	−4	15	8	$-\frac{62\,112\,713}{2420\,640}$	$\frac{52\,688\,003}{1210\,320}$	$-\frac{17\,686\,961}{484\,128}$	$-\frac{199\,181\,671}{1210\,320}$	$\frac{559}{30}$	$\frac{1892\,907}{6724}$
222	4	−3	−8	2	27	−10	$-\frac{49}{2}$	0	$\frac{51}{2}$	64	0	−384
223	4	−3	−8	8	15	−4	$\frac{291\,233}{26\,240}$	$\frac{8752\,697}{537\,920}$	$-\frac{7198\,535}{215\,168}$	$-\frac{9544\,689}{537\,920}$	$\frac{243}{40}$	$\frac{6384\,501}{26\,896}$
224	4	−3	0	2	3	6	$-\frac{109\,687}{640}$	$\frac{94\,777}{320}$	$-\frac{32\,135}{128}$	$-\frac{351\,729}{320}$	$\frac{5043}{40}$	$\frac{30\,717}{16}$
225	4	−3	0	14	3	−6	$\frac{2744\,343}{16\,810}$	$-\frac{7640\,757}{33\,620}$	$\frac{1058\,067}{6724}$	$\frac{10\,105\,317}{16\,810}$	$-\frac{486}{5}$	$-\frac{2267\,919}{3362}$
226	4	−3	8	2	3	−2	$\frac{108\,707}{40}$	$-\frac{94\,777}{20}$	$\frac{32\,339}{8}$	$\frac{353\,009}{20}$	$-\frac{10\,086}{5}$	−31 101
227	5	−5	−19	−1	41	−9	$\frac{14\,830\,919}{484\,128}$	$-\frac{13\,506\,601}{242\,064}$	$\frac{2655\,739}{53\,792}$	$\frac{52\,071\,601}{242\,064}$	$-\frac{145}{6}$	$-\frac{2587\,425}{6724}$
228	5	−5	−11	−1	17	7	$-\frac{33\,947\,393}{944\,640}$	$\frac{1206\,679\,703}{19\,365\,120}$	$-\frac{136\,620\,115}{2582\,016}$	$-\frac{4460\,718\,671}{19\,365\,120}$	$\frac{12\,719}{480}$	$\frac{43\,440\,339}{107\,584}$
229	5	−5	−11	5	29	−11	$-\frac{105}{2}$	−4	$\frac{115}{2}$	0	0	−576
230	5	−5	−3	−1	17	−1	$\frac{366\,499\,427}{605\,160}$	$-\frac{318\,553\,177}{302\,580}$	$\frac{36\,146\,833}{40\,344}$	$\frac{1180\,269\,169}{302\,580}$	$-\frac{6722}{15}$	$-\frac{11\,506\,941}{1681}$
231	5	−5	−3	5	5	5	$-\frac{330\,261}{1280}$	$\frac{284\,171}{640}$	$-\frac{96\,101}{256}$	$-\frac{1057\,347}{640}$	$\frac{15\,129}{80}$	$\frac{92\,007}{32}$
232	5	−5	−3	17	5	−7	$\frac{42\,948\,693}{215\,168}$	$-\frac{22\,565\,403}{107\,584}$	$\frac{20\,742\,489}{215\,168}$	$\frac{56\,955\,555}{107\,584}$	$-\frac{729}{8}$	$-\frac{1410\,615}{26\,896}$
233	5	−5	5	5	5	−3	$\frac{326\,061}{80}$	$-\frac{284\,331}{40}$	$\frac{97\,021}{16}$	$\frac{1057\,347}{40}$	$-\frac{15\,129}{5}$	$-\frac{93\,159}{2}$
234	5	−4	−11	0	34	−12	$-\frac{8555\,207}{201\,720}$	$\frac{87\,097}{100\,860}$	$\frac{566\,787}{13\,448}$	$\frac{4076\,831}{100\,860}$	$\frac{2}{5}$	$-\frac{850\,393}{1681}$
235	5	−4	−11	6	22	−6	$\frac{120\,673}{13\,120}$	$\frac{8483\,737}{268\,960}$	$-\frac{5692\,359}{107\,584}$	$-\frac{14\,385\,969}{268\,960}$	$\frac{243}{20}$	$\frac{4932\,117}{13\,448}$
236	5	−4	−3	0	10	4	$-\frac{109\,967}{480}$	$\frac{94\,777}{240}$	$-\frac{10\,693}{32}$	$-\frac{352\,009}{240}$	$\frac{1681}{10}$	$\frac{10\,231}{4}$
237	5	−4	−3	6	−2	10	$\frac{40\,358\,329}{419\,840}$	$-\frac{1416\,913\,759}{8606\,720}$	$\frac{477\,717\,361}{3442\,688}$	$\frac{5286\,484\,503}{8606\,720}$	$-\frac{44\,901}{640}$	$-\frac{458\,121\,123}{430\,336}$
238	5	−4	−3	12	10	−8	$\frac{12\,465\,057}{67\,240}$	$-\frac{7607\,137}{33\,620}$	$\frac{1791\,701}{13\,448}$	$\frac{18\,168\,219}{33\,620}$	$-\frac{486}{5}$	$-\frac{521\,235}{1681}$
239	5	−4	5	0	10	−4	$\frac{243\,620\,967}{67\,240}$	$-\frac{212\,397\,817}{33\,620}$	$\frac{72\,466\,519}{13\,448}$	$\frac{790\,328\,449}{33\,620}$	$-\frac{13\,446}{5}$	$-\frac{69\,643\,637}{1681}$
240	5	−4	5	6	−2	2	$-\frac{978\,463}{640}$	$\frac{852\,993}{320}$	$-\frac{290\,959}{128}$	$-\frac{3161\,961}{320}$	$\frac{45\,387}{40}$	$\frac{278\,397}{16}$
241	6	−6	−14	−3	24	5	$-\frac{298\,313\,803}{6455\,040}$	$\frac{785\,175\,679}{9682\,560}$	$-\frac{268\,364\,657}{3873\,024}$	$-\frac{955\,755\,101}{3227\,520}$	$\frac{2749}{80}$	$\frac{28\,297\,083}{53\,792}$
242	6	−6	−14	3	36	−13	$-\frac{161}{2}$	−8	$\frac{179}{2}$	−64	0	−768
243	6	−6	−6	3	12	3	$-\frac{110\,287}{320}$	$\frac{94\,697}{160}$	$-\frac{31\,983}{64}$	$-\frac{352\,809}{160}$	$\frac{5043}{20}$	$\frac{30\,645}{8}$
244	6	−6	−6	15	12	−9	$\frac{126\,924\,489}{537\,920}$	$-\frac{1260\,999}{6560}$	$\frac{3813\,417}{107\,584}$	$\frac{123\,092\,703}{268\,960}$	$-\frac{1701}{20}$	$\frac{7661\,061}{13\,448}$
245	6	−6	2	3	12	−5	$\frac{108\,677}{20}$	$-\frac{94\,777}{10}$	$\frac{32\,341}{4}$	$\frac{352\,169}{10}$	$-\frac{20\,172}{5}$	−62 058
246	6	−6	2	9	0	1	$-\frac{2939\,869}{1280}$	$\frac{2558\,979}{640}$	$-\frac{871\,981}{256}$	$-\frac{9485\,883}{640}$	$\frac{136\,161}{80}$	$\frac{833\,895}{32}$
247	6	−5	−14	4	29	−8	$-\frac{7247}{6560}$	$\frac{8214\,777}{134\,480}$	$-\frac{4535\,831}{53\,792}$	$-\frac{19\,227\,249}{134\,480}$	$\frac{243}{10}$	$\frac{3963\,861}{6724}$
248	6	−5	−6	−2	17	2	$-\frac{92\,670\,467}{302\,580}$	$\frac{79\,703\,617}{151\,290}$	$-\frac{8979\,757}{20\,172}$	$-\frac{296\,245\,789}{151\,290}$	$\frac{3364}{15}$	$\frac{5731\,714}{1681}$
249	6	−5	−6	4	5	8	$\frac{6684\,727}{52\,480}$	$-\frac{234\,872\,817}{1075\,840}$	$\frac{79\,231\,167}{430\,336}$	$\frac{876\,060\,729}{1075\,840}$	$-\frac{7443}{80}$	$-\frac{75\,955\,113}{53\,792}$
250	6	−5	−6	10	17	−10	$\frac{14\,936\,127}{67\,240}$	$-\frac{7539\,897}{33\,620}$	$\frac{1257\,143}{13\,448}$	$\frac{16\,806\,609}{33\,620}$	$-\frac{486}{5}$	$\frac{295\,731}{1681}$
251	6	−5	2	4	5	0	$-\frac{326\,261}{160}$	$\frac{284\,331}{80}$	$-\frac{96\,965}{32}$	$-\frac{1053\,747}{80}$	$\frac{15\,129}{10}$	$\frac{92\,727}{4}$
252	7	−7	−17	1	43	−15	$-\frac{23\,921\,713}{201\,720}$	$-\frac{1700\,857}{100\,860}$	$\frac{1840\,405}{13\,448}$	$-\frac{16\,986\,911}{100\,860}$	$-\frac{2}{5}$	$-\frac{1731\,623}{1681}$
253	7	−7	−9	1	19	1	$-\frac{110\,447}{240}$	$\frac{94\,657}{120}$	$-\frac{10\,645}{16}$	$-\frac{353\,209}{120}$	$\frac{1681}{5}$	$\frac{10\,207}{2}$
254	7	−7	−9	13	19	−11	$\frac{77\,064\,261}{268\,960}$	$-\frac{21\,272\,411}{134\,480}$	$-\frac{3353\,387}{53\,792}$	$\frac{50\,419\,827}{134\,480}$	$-\frac{729}{10}$	$\frac{9746\,001}{6724}$
255	7	−7	−1	1	19	−7	$\frac{487\,123\,181}{67\,240}$	$-\frac{424\,882\,731}{33\,620}$	$\frac{144\,994\,365}{13\,448}$	$\frac{1577\,655\,907}{33\,620}$	$-\frac{26\,898}{5}$	$-\frac{138\,995\,359}{1681}$
256	7	−7	−1	7	7	−1	$-\frac{980\,703}{320}$	$\frac{852\,993}{160}$	$-\frac{290\,511}{64}$	$-\frac{3161\,961}{160}$	$\frac{45\,387}{20}$	$\frac{277\,749}{8}$
257	7	−6	−17	2	36	−10	$-\frac{99\,087}{3280}$	$\frac{7945\,817}{67\,240}$	$-\frac{3675\,159}{26\,896}$	$-\frac{23\,530\,609}{67\,240}$	$\frac{243}{5}$	$\frac{3318\,357}{3362}$
258	7	−6	−9	2	12	6	$\frac{8823\,087}{52\,480}$	$-\frac{310\,694\,457}{1075\,840}$	$\frac{104\,954\,423}{430\,336}$	$\frac{1157\,234\,049}{1075\,840}$	$-\frac{9843}{80}$	$-\frac{100\,517\,013}{53\,792}$
259	7	−6	−9	8	24	−12	$\frac{18\,903\,287}{67\,240}$	$-\frac{7405\,417}{33\,620}$	$\frac{396\,471}{13\,448}$	$\frac{16\,806\,609}{33\,620}$	$-\frac{486}{5}$	$\frac{1385\,019}{1681}$
260	7	−6	−1	2	12	−2	$-\frac{108\,807}{40}$	$\frac{94\,777}{20}$	$-\frac{32\,311}{8}$	$-\frac{351\,209}{20}$	$\frac{10\,086}{5}$	30 885
261	7	−6	−1	8	0	4	$\frac{2958\,589}{2560}$	$-\frac{2558\,339}{1280}$	$\frac{867\,981}{512}$	$\frac{9498\,843}{1280}$	$-\frac{136\,161}{160}$	$-\frac{830\,007}{64}$
262	7	−6	7	8	0	−4	$-\frac{4897\,774\,961}{268\,960}$	$\frac{4270\,946\,191}{134\,480}$	$-\frac{1457\,490\,177}{53\,792}$	$-\frac{15\,900\,328\,647}{134\,480}$	$\frac{135\,189}{10}$	$\frac{1400\,781\,843}{6724}$
263	8	−8	−12	−1	26	−1	$-\frac{371\,643\,287}{605\,160}$	$\frac{317\,948\,017}{302\,580}$	$-\frac{35\,723\,221}{40\,344}$	$-\frac{1188\,741\,409}{302\,580}$	$\frac{6722}{15}$	$\frac{11\,426\,253}{1681}$
264	8	−8	−12	11	26	−13	$\frac{47\,192\,007}{134\,480}$	$-\frac{6192\,617}{67\,240}$	$-\frac{5867\,673}{26\,896}$	$\frac{16\,806\,609}{67\,240}$	$-\frac{243}{5}$	$\frac{9154\,539}{3362}$
265	8	−8	−4	5	14	−3	$-\frac{327\,221}{80}$	$\frac{284\,331}{40}$	$-\frac{96\,773}{16}$	$-\frac{1054\,107}{40}$	$\frac{15\,129}{5}$	$\frac{92\,511}{2}$
266	8	−8	−4	11	2	3	$\frac{363\,864\,339}{209\,920}$	$-\frac{12\,868\,306\,549}{4303\,360}$	$\frac{4358\,977\,275}{1721\,344}$	$\frac{47\,835\,438\,813}{4303\,360}$	$-\frac{407\,511}{320}$	$-\frac{4171\,080\,177}{215\,168}$
267	8	−8	4	11	2	−5	$-\frac{14\,729\,669\,871}{537\,920}$	$\frac{12\,843\,536\,081}{268\,960}$	$-\frac{4382\,447\,967}{107\,584}$	$-\frac{47\,768\,212\,377}{268\,960}$	$\frac{406\,539}{20}$	$\frac{4207\,698\,333}{13\,448}$
268	8	−7	−20	0	43	−12	$-\frac{9935\,477}{100\,860}$	$\frac{11\,471\,737}{50\,430}$	$-\frac{1519\,175}{6724}$	$-\frac{40\,561\,849}{50\,430}$	$\frac{484}{5}$	$\frac{2877\,742}{1681}$
269	8	−7	−12	0	19	4	$\frac{17\,373\,247}{78\,720}$	$-\frac{614\,249\,977}{1613\,760}$	$\frac{69\,327\,309}{215\,168}$	$\frac{2280\,179\,089}{1613\,760}$	$-\frac{6481}{40}$	$-\frac{66\,281\,767}{26\,896}$
270	8	−7	−12	6	31	−14	$\frac{25\,055\,747}{67\,240}$	$-\frac{7136\,457}{33\,620}$	$-\frac{955\,053}{13\,448}$	$\frac{19\,227\,249}{33\,620}$	$-\frac{486}{5}$	$\frac{2837\,403}{1681}$
271	8	−7	−4	0	19	−4	$-\frac{244\,058\,027}{67\,240}$	$\frac{212\,397\,817}{33\,620}$	$-\frac{72\,365\,659}{13\,448}$	$-\frac{787\,100\,929}{33\,620}$	$\frac{13\,446}{5}$	$\frac{69\,159\,509}{1681}$
272	8	−7	−4	6	7	2	$\frac{987\,823}{640}$	$-\frac{852\,673}{320}$	$\frac{288\,959}{128}$	$\frac{3168\,441}{320}$	$-\frac{45\,387}{40}$	$-\frac{276\,453}{16}$
273	8	−7	4	6	7	−6	$-\frac{408\,868\,679}{16\,810}$	$\frac{356\,531\,714}{8405}$	$-\frac{121\,673\,783}{3362}$	$-\frac{1326\,730\,518}{8405}$	$\frac{90\,288}{5}$	$\frac{467\,554\,896}{1681}$

274	9	−9	−15	9	33	−15	$\frac{60\,640}{1681}$	$-\frac{19\,098}{41}$	0	0	$\frac{7769\,520}{1681}$	246
275	9	−9	−7	3	21	−5	$-\frac{109\,207}{20}$	$\frac{94\,777}{10}$	$-\frac{32\,231}{4}$	$-\frac{351\,449}{10}$	$\frac{20\,172}{5}$	$61\,626$
276	9	−9	−7	9	9	1	$\frac{24\,256\,219}{10\,496}$	$-\frac{856\,773\,869}{215\,168}$	$\frac{1449\,950\,607}{430\,336}$	$\frac{3186\,788\,373}{215\,168}$	$-\frac{27\,135}{16}$	$-\frac{1387\,919\,205}{53\,792}$
277	9	−9	1	9	9	−7	$-\frac{983\,189\,491}{26\,896}$	$\frac{857\,258\,989}{13\,448}$	$-\frac{1462\,478\,895}{26\,896}$	$-\frac{3186\,788\,373}{13\,448}$	$27\,135$	$\frac{1403\,458\,245}{3362}$
278	9	−8	−15	−2	26	2	$\frac{1391\,699\,969}{4841\,280}$	$-\frac{1208\,586\,799}{2420\,640}$	$\frac{136\,927\,099}{322\,752}$	$\frac{4455\,537\,943}{2420\,640}$	$-\frac{12\,727}{60}$	$-\frac{43\,503\,611}{13\,448}$
279	9	−8	−15	4	38	−16	$\frac{34\,234\,007}{67\,240}$	$-\frac{6598\,537}{33\,620}$	$-\frac{3019\,321}{13\,448}$	$\frac{25\,682\,289}{33\,620}$	$-\frac{486}{5}$	$\frac{4773\,915}{1681}$
280	9	−8	−7	4	14	0	$\frac{329\,821}{160}$	$-\frac{284\,171}{80}$	$\frac{96\,189}{32}$	$\frac{1056\,987}{80}$	$-\frac{15\,129}{10}$	$-\frac{92\,079}{4}$
281	9	−8	1	4	14	−8	$-\frac{2183\,482\,397}{67\,240}$	$\frac{1904\,167\,267}{33\,620}$	$-\frac{649\,794\,157}{13\,448}$	$-\frac{7081\,498\,299}{33\,620}$	$\frac{120\,546}{5}$	$\frac{623\,913\,111}{1681}$
282	9	−8	1	10	2	−2	$\frac{8814\,807}{640}$	$-\frac{7676\,937}{320}$	$\frac{2617\,031}{128}$	$\frac{28\,483\,569}{320}$	$-\frac{408\,483}{40}$	$-\frac{2505\,573}{16}$
283	10	−10	−18	7	40	−17	$\frac{31\,521\,693}{67\,240}$	$\frac{9562\,057}{33\,620}$	$-\frac{11\,573\,235}{13\,448}$	$-\frac{19\,227\,249}{33\,620}$	$\frac{486}{5}$	$\frac{12\,701\,637}{1681}$
284	10	−10	−10	1	28	−7	$-\frac{490\,249\,841}{67\,240}$	$\frac{424\,882\,731}{33\,620}$	$-\frac{144\,355\,585}{13\,448}$	$-\frac{1576\,042\,147}{33\,620}$	$\frac{26\,898}{5}$	$\frac{138\,027\,103}{1681}$
285	10	−10	−10	7	16	−1	$\frac{1262\,193}{410}$	$-\frac{178\,157\,877}{33\,620}$	$\frac{30\,131\,579}{13\,448}$	$\frac{331\,493\,517}{33\,620}$	$-\frac{11\,286}{5}$	$-\frac{57\,700\,107}{1681}$
286	10	−10	−2	7	16	−9	$-\frac{3280\,472\,739}{67\,240}$	$\frac{2860\,088\,089}{33\,620}$	$-\frac{975\,783\,763}{13\,448}$	$-\frac{10\,627\,019\,793}{33\,620}$	$\frac{181\,062}{5}$	$\frac{935\,903\,349}{1681}$
287	10	−10	−2	13	4	−3	$\frac{26\,486\,661}{1280}$	$-\frac{23\,029\,531}{640}$	$\frac{7842\,005}{256}$	$\frac{85\,450\,707}{640}$	$-\frac{1225\,449}{80}$	$-\frac{7505\,055}{32}$
288	10	−9	−18	2	45	−18	$\frac{1183\,252}{1681}$	$-\frac{271\,780}{1681}$	$-\frac{766\,668}{1681}$	$\frac{1918\,292}{1681}$	-96	$\frac{7386\,768}{1681}$
289	10	−9	−10	2	21	−2	$\frac{110\,107}{40}$	$-\frac{94\,697}{20}$	$\frac{32\,019}{8}$	$\frac{352\,649}{20}$	$-\frac{10\,086}{5}$	$-30\,669$
290	10	−9	−2	2	21	−10	$-\frac{364\,263\,474}{8405}$	$\frac{635\,383\,728}{2558\,979}$	$-\frac{108\,414\,546}{1681}$	$-\frac{2361\,620\,416}{8405}$	$\frac{160\,896}{5}$	$\frac{832\,260\,192}{1681}$
291	10	−9	−2	8	9	−4	$\frac{2939\,789}{160}$	$-\frac{2558\,979}{80}$	$\frac{872\,029}{32}$	$\frac{9492\,363}{80}$	$-\frac{136\,161}{10}$	$-\frac{834\,543}{4}$
292	11	−11	−21	5	47	−19	$\frac{28\,809\,379}{67\,240}$	$\frac{25\,722\,651}{33\,620}$	$-\frac{20\,127\,149}{13\,448}$	$-\frac{64\,136\,787}{33\,620}$	$\frac{1458}{5}$	$\frac{20\,629\,359}{1681}$
293	11	−11	−13	5	23	−3	$\frac{5373\,503}{1312}$	$-\frac{189\,514\,313}{26\,896}$	$\frac{320\,411\,555}{53\,792}$	$\frac{705\,420\,225}{26\,896}$	$-\frac{6003}{2}$	$-\frac{306\,816\,057}{6724}$
294	11	−11	−5	5	23	−11	$-\frac{4377\,463\,081}{67\,240}$	$\frac{3816\,008\,911}{33\,620}$	$-\frac{1301\,773\,369}{13\,448}$	$-\frac{14\,172\,541\,287}{33\,620}$	$\frac{241\,578}{5}$	$\frac{1247\,893\,587}{1681}$
295	11	−11	−5	11	11	−5	$\frac{8835\,927}{320}$	$-\frac{7676\,297}{160}$	$\frac{2612\,487}{64}$	$\frac{28\,483\,569}{160}$	$-\frac{408\,483}{20}$	$-\frac{2499\,741}{8}$
296	11	−10	−13	0	28	−4	$\frac{247\,083\,827}{67\,240}$	$-\frac{212\,128\,857}{33\,620}$	$\frac{71\,652\,915}{13\,448}$	$\frac{791\,135\,329}{33\,620}$	$-\frac{13\,446}{5}$	$-\frac{68\,675\,381}{1681}$
297	11	−10	−5	6	16	−6	$\frac{980\,603}{40}$	$-\frac{852\,993}{20}$	$\frac{290\,539}{8}$	$\frac{3163\,761}{20}$	$-\frac{90\,774}{5}$	$-277\,965$
298	11	−10	−5	12	4	0	$-\frac{218\,020\,017}{20\,992}$	$\frac{7728\,093\,671}{430\,336}$	$-\frac{13\,108\,630\,733}{860\,672}$	$-\frac{28\,705\,994\,271}{430\,336}$	$\frac{244\,701}{32}$	$\frac{12\,540\,957\,111}{107\,584}$
299	12	−12	−24	3	54	−21	$\frac{5144\,339}{33\,620}$	$\frac{28\,440\,451}{16\,810}$	$-\frac{17\,060\,477}{6724}$	$-\frac{83\,319\,707}{16\,810}$	$\frac{396}{5}$	$\frac{33\,871\,950}{1681}$
300	12	−12	−16	3	30	−5	$\frac{17\,838\,741}{3280}$	$-\frac{629\,200\,251}{67\,240}$	$\frac{212\,763\,677}{26\,896}$	$\frac{2341\,495\,187}{67\,240}$	$-\frac{19\,929}{5}$	$-\frac{203\,706\,879}{3362}$
301	12	−12	−8	3	30	−13	$-\frac{584\,081\,837}{6724}$	$\frac{509\,048\,291}{3362}$	$-\frac{868\,115\,185}{6724}$	$-\frac{1889\,860\,091}{3362}$	$64\,452$	$\frac{1663\,526\,982}{1681}$
302	12	−12	−8	9	18	−7	$\frac{2948\,069}{80}$	$-\frac{2558\,659}{40}$	$\frac{870\,229}{16}$	$\frac{9495\,603}{40}$	$-\frac{136\,161}{5}$	$-\frac{832\,599}{2}$
303	12	−11	−8	4	23	−8	$\frac{163\,578}{5}$	$-\frac{284\,331}{5}$	$48\,394$	$\frac{1054\,587}{5}$	$-\frac{121\,032}{5}$	$-370\,332$
304	12	−11	−8	10	11	−2	$-\frac{363\,480\,579}{26\,240}$	$\frac{12\,868\,844\,469}{537\,920}$	$-\frac{4362\,339\,275}{215\,168}$	$-\frac{47\,824\,545\,933}{537\,920}$	$\frac{407\,511}{40}$	$\frac{4174\,348\,041}{26\,896}$
305	13	−13	−19	1	37	−7	$\frac{242\,152\,277}{33\,620}$	$-\frac{208\,535\,697}{16\,810}$	$\frac{70\,555\,381}{6724}$	$\frac{775\,179\,929}{16\,810}$	$-\frac{26\,412}{5}$	$-\frac{135\,031\,498}{1681}$
306	13	−13	−11	7	25	−9	$\frac{983\,733}{20}$	$-\frac{852\,833}{10}$	$\frac{289\,845}{4}$	$\frac{3165\,921}{10}$	$-\frac{181\,548}{5}$	$-554\,634$
307	13	−12	−11	2	30	−10	$\frac{2936\,238\,599}{67\,240}$	$-\frac{2549\,209\,289}{33\,620}$	$\frac{867\,148\,023}{13\,448}$	$\frac{9456\,026\,353}{33\,620}$	$-\frac{161\,382}{5}$	$-\frac{829\,422\,789}{1681}$
308	13	−12	−11	8	18	−4	$-\frac{24\,227\,027}{1312}$	$\frac{856\,827\,661}{26\,896}$	$-\frac{1451\,255\,063}{53\,792}$	$-\frac{3185\,699\,085}{26\,896}$	$\frac{27\,135}{2}$	$\frac{1389\,008\,493}{6724}$
309	13	−12	−3	14	6	−6	$-\frac{133\,325\,184\,591}{1075\,840}$	$\frac{116\,017\,286\,481}{537\,920}$	$-\frac{39\,528\,945\,855}{215\,168}$	$-\frac{430\,702\,581\,177}{537\,920}$	$\frac{3672\,459}{40}$	$\frac{37\,859\,259\,789}{26\,896}$
310	14	−14	−14	5	32	−11	$\frac{656\,577}{10}$	$-\frac{568\,502}{5}$	$\frac{193\,057}{2}$	$\frac{2111\,334}{5}$	$-\frac{242\,064}{5}$	$-738\,936$
311	14	−14	−6	17	8	−7	$-\frac{400\,562\,653\,293}{2151\,680}$	$\frac{348\,028\,151\,283}{1075\,840}$	$-\frac{118\,457\,563\,581}{430\,336}$	$-\frac{1292\,107\,743\,531}{1075\,840}$	$\frac{11\,017\,377}{80}$	$\frac{113\,416\,431\,255}{53\,792}$
312	14	−13	−14	6	25	−6	$-\frac{10\,084\,219}{410}$	$\frac{356\,349\,374}{8405}$	$-\frac{120\,649\,029}{3362}$	$-\frac{1325\,368\,908}{8405}$	$\frac{90\,288}{5}$	$\frac{461\,963\,952}{1681}$
313	14	−13	−6	12	13	−8	$-\frac{44\,480\,066\,793}{268\,960}$	$\frac{38\,681\,944\,103}{134\,480}$	$-\frac{13\,174\,019\,833}{53\,792}$	$-\frac{143\,586\,304\,911}{134\,480}$	$\frac{1224\,477}{10}$	$\frac{12\,613\,912\,515}{6724}$
314	15	−15	−17	3	39	−13	$\frac{5893\,408\,897}{67\,240}$	$-\frac{5096\,005\,607}{33\,620}$	$\frac{1729\,082\,513}{13\,448}$	$\frac{18\,937\,193\,279}{33\,620}$	$-\frac{322\,746}{5}$	$-\frac{1654\,880\,043}{1681}$
315	15	−15	−9	15	15	−9	$-\frac{133\,618\,734\,351}{537\,920}$	$\frac{116\,005\,432\,401}{268\,960}$	$-\frac{39\,464\,308\,863}{107\,584}$	$-\frac{430\,702\,581\,177}{268\,960}$	$\frac{3672\,459}{20}$	$\frac{37\,778\,585\,733}{13\,448}$
316	15	−14	−17	4	32	−8	$-\frac{5366\,123}{164}$	$\frac{189\,541\,209}{3362}$	$-\frac{320\,767\,927}{6724}$	$-\frac{705\,016\,785}{3362}$	$24\,012$	$\frac{614\,116\,242}{1681}$
317	5	−14	−9	10	20	−10	$-\frac{371\,006\,859}{1681}$	$\frac{644\,809\,044}{1681}$	$-\frac{548\,736\,215}{1681}$	$-\frac{2393\,475\,966}{1681}$	$163\,296$	$\frac{4202\,360\,352}{1681}$
318	16	−16	−12	13	22	−11	$-\frac{44\,569\,333\,779}{134\,480}$	$\frac{38\,661\,744\,149}{67\,240}$	$-\frac{13\,145\,144\,515}{26\,896}$	$-\frac{143\,558\,138\,133}{67\,240}$	$\frac{1223\,991}{5}$	$\frac{12\,582\,336\,609}{3362}$
319	16	−15	−20	2	39	−10	$-\frac{2921\,635\,711}{67\,240}$	$\frac{2517\,426\,021}{33\,620}$	$-\frac{852\,104\,463}{13\,448}$	$-\frac{9359\,752\,237}{33\,620}$	$\frac{159\,438}{5}$	$\frac{815\,503\,857}{1681}$
320	16	−15	−12	8	27	−12	$-\frac{19\,806\,501\,409}{67\,240}$	$\frac{17\,196\,748\,739}{33\,620}$	$-\frac{5850\,411\,441}{13\,448}$	$-\frac{63\,838\,889\,883}{33\,620}$	$\frac{1088\,802}{5}$	$\frac{5599\,780\,695}{1681}$
321	17	−17	−15	11	29	−13	$-\frac{29\,729\,059\,419}{67\,240}$	$\frac{25\,765\,563\,269}{33\,620}$	$-\frac{8755\,254\,795}{13\,448}$	$-\frac{95\,688\,618\,813}{33\,620}$	$\frac{1631\,502}{5}$	$\frac{8379\,976\,257}{1681}$
322	17	−16	−15	6	34	−14	$-\frac{26\,436\,351\,961}{67\,240}$	$\frac{22\,930\,121\,991}{33\,620}$	$-\frac{7795\,839\,465}{13\,448}$	$-\frac{85\,141\,066\,527}{33\,620}$	$\frac{1451\,898}{5}$	$\frac{7461\,555\,435}{1681}$
323	18	−18	−18	9	36	−15	$-\frac{39\,651\,617\,429}{67\,240}$	$\frac{34\,334\,377\,799}{33\,620}$	$-\frac{11\,660\,098\,149}{13\,448}$	$-\frac{127\,538\,347\,743}{33\,620}$	$\frac{2174\,202}{5}$	$\frac{11\,160\,171\,819}{1681}$
324	18	−17	−18	4	41	−16	$-\frac{8821\,732\,789}{16\,810}$	$\frac{7643\,230\,979}{8405}$	$-\frac{2596\,714\,117}{3362}$	$-\frac{28\,389\,856\,683}{8405}$	$\frac{1936\,008}{5}$	$\frac{9941\,892\,732}{1681}$
325	19	−19	−21	7	43	−17	$-\frac{52\,866\,882\,897}{67\,240}$	$\frac{45\,738\,633\,607}{33\,620}$	$-\frac{15\,524\,356\,833}{13\,448}$	$-\frac{169\,935\,628\,959}{33\,620}$	$\frac{2896\,506}{5}$	$\frac{14\,858\,788\,203}{1681}$
326	20	−20	−24	5	50	−19	$-\frac{35\,223\,417\,319}{33\,620}$	$\frac{30\,452\,171\,649}{16\,810}$	$-\frac{10\,330\,928\,599}{6724}$	$-\frac{113\,155\,915\,593}{16\,810}$	$\frac{3857\,004}{5}$	$\frac{19\,775\,683\,674}{1681}$