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Fourier Coefficients of A Class of Eta Quotients of Weight 6

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Author's contribution

The sole author designed, analyzed and interpreted and prepared the manuscript.

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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.

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1 Introduction

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

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

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], [6] and [7]. 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[26] 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[27]. 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*

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

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

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

Now,

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

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

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

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

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

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

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

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

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

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

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

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

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 $M_6(\Gamma_0(12), \chi_3)$ is generated by*

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

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

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

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

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

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

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

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

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

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

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

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

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

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 $M_6(\Gamma_0(12), \chi_3)$ 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 $S_6(\Gamma_0(12), \chi_3)$, linearly independent and $\dim(S_6(\Gamma_0(12), \chi_3)) = 8$, it follows.

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*

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

where

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

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

$$\begin{aligned} & c_1\sigma_5(n) + c_2\sigma_5(\tfrac{n}{2}) + c_3\sigma_5(\tfrac{n}{3}) + c_4\sigma_5(\tfrac{n}{4}) + c_6\sigma_5(\tfrac{n}{6}) + c_{12}\sigma_5(\tfrac{n}{12}) \\ & + r_1 g_1(n) + r_2 g_2(n) + r_3 g_3(n) + r_4 g_4(n) + r_5 g_5(n) + r_6 g_6(n) + r_7 g_7(n) + r_8 g_8(n) \end{aligned}$$

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. Here

$$\begin{aligned} \pm t, \pm t_1 \quad : \quad & = \pm \frac{1}{1559\,907\,655\,458\,892\,672}(-49255 t^7 - 14150369816 \\ & t^5 - 801124794965200 t^3 - 9510888797088577536 t), \end{aligned}$$

$$\begin{aligned} \pm s, \pm s_1 \quad : \quad & = \pm \frac{1}{3119\,815\,310\,917\,785\,344}(-207 t^6 - 14589130 t^4 - 182408316832 t^2 \\ & + 9193411862560) s^3 + \frac{1}{20\,525\,100\,729\,722\,272}(-27549 t^6 \\ & - 1941622910 t^4 - 24276167731424 t^2 + 33349767825273824) s \end{aligned}$$

are distinct eight conjugate roots of the irreducible polynomial

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

where s is a root of the polynomial

$$x^4+\frac{1}{8357\,425\,156}(-81t^6-5708790t^4-71377167456t^2+596596707145600)x^2$$
$$+\frac{1}{4178\,712\,578}(-838557t^6-59100565630t^4-738936091486432t^2$$
$$+481603125323927392 0).$$

These 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,

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

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

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

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

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

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

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

Competing Interests

Author has declared that no competing interests exist.

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APPENDIX

Table 1. The eta quotients and the coefficients c_1 c_2 c_3 c_4 r_1 r_2

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	$\frac{98401}{45387}$	$-\frac{1}{1681}$	$\frac{97}{1681}$	$-\frac{6211}{45387}$	$-\frac{138086557}{605160}$	$-\frac{15366583}{605160}$
2	−13	13	27	−1	−13	−1	$\frac{295385}{181548}$	$-\frac{1}{1681}$	$\frac{473}{6724}$	$-\frac{7568}{45387}$	$-\frac{591595973}{2420640}$	$-\frac{78251567}{2420640}$
3	−12	12	24	−3	−6	−3	$\frac{32861}{30258}$	$-\frac{1}{1681}$	$\frac{279}{3362}$	$-\frac{2975}{15129}$	$-\frac{105140953}{403440}$	$-\frac{15839467}{403440}$
4	−12	13	24	−2	−13	2	$\frac{18416}{45387}$	0	$-\frac{16}{1681}$	$\frac{1024}{45387}$	$\frac{7154671}{605160}$	$\frac{3157549}{605160}$
5	−11	11	21	1	−11	1	$\frac{4604}{15129}$	0	$-\frac{12}{1681}$	$\frac{256}{15129}$	$\frac{1656289}{201720}$	$\frac{795691}{201720}$
6	−11	12	13	8	−6	−4	$\frac{10413}{13448}$	$-\frac{1}{1681}$	$\frac{1215}{13448}$	$-\frac{360}{1681}$	$-\frac{29166363}{107584}$	$-\frac{4656177}{107584}$
7	−11	12	21	−4	−6	0	$\frac{49109}{181548}$	0	$-\frac{43}{6724}$	$\frac{691}{45387}$	$\frac{17987623}{2420640}$	$\frac{8475157}{2420640}$
8	−10	10	10	11	−4	−5	$\frac{31293}{53792}$	$-\frac{1}{1681}$	$\frac{5103}{53792}$	$-\frac{378}{1681}$	$-\frac{592483707}{2151680}$	$-\frac{98626833}{2151680}$
9	−10	10	18	−1	−4	−1	$\frac{9208}{45387}$	0	$-\frac{8}{1681}$	$\frac{512}{45387}$	$\frac{2783063}{605160}$	$\frac{1616597}{605160}$
10	−10	11	10	6	1	−6	$\frac{870}{1681}$	$-\frac{1}{1681}$	$\frac{162}{1681}$	$-\frac{384}{1681}$	$-\frac{4674687}{16810}$	$-\frac{783803}{16810}$
11	−10	11	18	0	−11	4	$\frac{1151}{15129}$	0	$-\frac{3}{1681}$	$\frac{64}{15129}$	$\frac{596881}{201720}$	$\frac{192619}{201720}$
12	−9	9	7	9	3	−7	$\frac{10467}{26896}$	$-\frac{1}{1681}$	$\frac{2673}{26896}$	$-\frac{396}{1681}$	$-\frac{300820077}{1075840}$	$-\frac{52065063}{1075840}$
13	−9	9	15	−3	3	−3	$\frac{8185}{60516}$	0	$-\frac{21}{6724}$	$\frac{37}{5043}$	$\frac{475209}{268960}$	$\frac{495291}{268960}$
14	−9	9	15	3	−9	3	$\frac{1151}{20172}$	0	$-\frac{9}{6724}$	$\frac{16}{5043}$	$\frac{664121}{268960}$	$\frac{192619}{268960}$
15	−9	10	7	4	8	−8	$\frac{2329}{6724}$	$-\frac{1}{1681}$	$\frac{675}{6724}$	$-\frac{400}{1681}$	$-\frac{15162475}{53792}$	$-\frac{2630465}{53792}$
16	−9	10	7	10	−4	−2	$\frac{31077}{215168}$	0	$-\frac{729}{215168}$	$\frac{27}{3362}$	$\frac{14760981}{8606720}$	$\frac{17115039}{8606720}$
17	−9	10	15	−2	−4	2	$\frac{2302}{45387}$	0	$-\frac{2}{1681}$	$\frac{128}{45387}$	$\frac{697741}{302580}$	$\frac{192619}{302580}$
18	−8	8	4	7	10	−9	$\frac{3507}{13448}$	$-\frac{1}{1681}$	$\frac{1377}{13448}$	$-\frac{408}{1681}$	$-\frac{151230093}{537920}$	$-\frac{26983367}{537920}$
19	−8	8	4	13	−2	−3	$\frac{93231}{860672}$	0	$-\frac{2187}{860672}$	$\frac{81}{13448}$	$-\frac{31967217}{34426880}$	$\frac{54976077}{34426880}$
20	−8	8	12	1	−2	1	$\frac{1151}{30258}$	0	$-\frac{3}{3362}$	$\frac{32}{15129}$	$\frac{798601}{403440}$	$\frac{192619}{403440}$
21	−8	8	20	−5	−14	11	$\frac{7999}{1452384}$	0	$-\frac{193}{53792}$	$\frac{385}{45387}$	$\frac{147944693}{19365120}$	$\frac{35350847}{19365120}$
22	−8	9	4	2	15	−10	$\frac{4685}{20172}$	$-\frac{1}{1681}$	$\frac{693}{6724}$	$-\frac{1232}{5043}$	$-\frac{76165637}{268960}$	$-\frac{13571183}{268960}$
23	−8	9	4	8	3	−4	$\frac{10359}{107584}$	0	$-\frac{243}{107584}$	$\frac{9}{1681}$	$-\frac{3551913}{4303360}$	$\frac{6108453}{4303360}$
24	−8	9	12	−4	3	0	$\frac{6139}{181548}$	0	$-\frac{5}{6724}$	$\frac{77}{45387}$	$\frac{21017}{11808}$	$\frac{214627}{484128}$
25	−8	9	12	2	−9	6	$\frac{1151}{80688}$	0	$-\frac{9}{26896}$	$\frac{4}{5043}$	$\frac{395161}{1075840}$	$\frac{192619}{1075840}$
26	−8	9	20	2	−9	−2	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{77746281}{268960}$	$-\frac{14341659}{268960}$
27	−7	7	1	5	17	−11	$\frac{589}{3362}$	$-\frac{1}{1681}$	$\frac{351}{3362}$	$-\frac{416}{1681}$	$-\frac{37708859}{134480}$	$-\frac{6915521}{134480}$
28	−7	7	1	11	5	−5	$\frac{31077}{430336}$	0	$-\frac{729}{430336}$	$\frac{27}{6724}$	$-\frac{61489179}{17213440}$	$\frac{20745999}{17213440}$
29	−7	7	9	−1	5	−1	$\frac{1151}{45387}$	0	$-\frac{1}{1681}$	$\frac{64}{45387}$	$\frac{1000321}{605160}$	$\frac{192619}{605160}$
30	−7	7	9	5	−7	5	$\frac{1151}{107584}$	0	$-\frac{27}{107584}$	$\frac{1}{1681}$	$\frac{1353583}{4303360}$	$\frac{544237}{4303360}$
31	−7	7	17	5	−7	−3	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{76771301}{268960}$	$-\frac{14375279}{268960}$
32	−7	8	1	0	22	−12	$\frac{9451}{60516}$	$-\frac{1}{1681}$	$\frac{705}{6724}$	$-\frac{3760}{15129}$	$-\frac{45591899}{161376}$	$-\frac{8316977}{161376}$
33	−7	8	1	6	10	−6	$\frac{3453}{53792}$	0	$-\frac{81}{53792}$	$\frac{6}{1681}$	$-\frac{6832131}{2151680}$	$\frac{2305111}{2151680}$
34	−7	8	1	12	−2	0	$\frac{46629}{1721344}$	0	$-\frac{793}{1721344}$	$\frac{27}{26896}$	$\frac{165811941}{68853760}$	$\frac{10043919}{68853760}$
35	−7	8	9	0	−2	4	$\frac{1151}{121032}$	0	$-\frac{3}{13448}$	$\frac{8}{15129}$	$\frac{395161}{1613760}$	$\frac{192619}{1613760}$
36	−7	8	17	−6	−14	14	$\frac{1427}{968256}$	0	$\frac{185}{107584}$	$-\frac{62}{15129}$	$-\frac{9699139}{2582016}$	$-\frac{2195305}{2582016}$
37	−7	8	17	0	−2	−4	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{77040261}{268960}$	$-\frac{14375279}{268960}$
38	−6	6	−2	3	24	−13	$\frac{2383}{20172}$	$-\frac{1}{1681}$	$\frac{711}{6724}$	$-\frac{1264}{5043}$	$-\frac{74669799}{268960}$	$-\frac{14090901}{268960}$
39	−6	6	−2	9	12	−7	$\frac{10359}{215168}$	0	$-\frac{243}{215168}$	$\frac{9}{3362}$	$-\frac{54385353}{8606720}$	$\frac{8529093}{8606720}$
40	−6	6	6	−3	12	−3	$\frac{341}{20172}$	0	$-\frac{3}{6724}$	$\frac{17}{15129}$	$\frac{1231361}{806880}$	$\frac{155939}{806880}$
41	−6	6	6	3	0	3	$\frac{1151}{161376}$	0	$-\frac{9}{53792}$	$\frac{2}{5043}$	$\frac{563261}{2151680}$	$\frac{158999}{2151680}$
42	−6	6	14	−3	−12	13	$\frac{2233}{1936512}$	0	$\frac{555}{215168}$	$-\frac{185}{30258}$	$-\frac{29003593}{5164032}$	$-\frac{6703291}{5164032}$
43	−6	6	14	3	0	−5	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{75796321}{268960}$	$-\frac{14408899}{268960}$
44	−6	6	22	−3	−12	5	$-\frac{187}{121032}$	0	$-\frac{561}{13448}$	$\frac{499}{5043}$	$\frac{49160229}{537920}$	$\frac{11276111}{537920}$
45	−6	7	−2	−2	29	−14	$\frac{4786}{45387}$	$-\frac{1}{1681}$	$\frac{178}{1681}$	$-\frac{11383}{45387}$	$-\frac{84700739}{302580}$	$-\frac{15841961}{302580}$
46	−6	7	−2	4	17	−8	$\frac{1151}{26896}$	0	$-\frac{27}{26896}$	$\frac{4}{1681}$	$-\frac{6042817}{1075840}$	$\frac{947677}{1075840}$
47	−6	7	−2	10	5	−2	$\frac{243}{13448}$	0	$-\frac{1}{13448}$	0	$\frac{467505}{215168}$	$-\frac{21501}{215168}$
48	−6	7	6	−2	5	2	$\frac{1151}{181548}$	0	$-\frac{1}{6724}$	$\frac{16}{45387}$	$\frac{395161}{2420640}$	$\frac{192619}{2420640}$
49	−6	7	6	4	−7	8	$\frac{1151}{430336}$	0	$-\frac{27}{430336}$	$\frac{1}{6724}$	$-\frac{1067057}{17213440}$	$\frac{813197}{17213440}$
50	−6	7	14	−2	5	−6	$\frac{182}{45387}$	$-\frac{1}{1681}$	$\frac{182}{1681}$	$-\frac{11639}{45387}$	$-\frac{85491061}{302580}$	$-\frac{16227199}{302580}$
51	−6	7	14	4	−7	0	0	0	0	0	$-\frac{37}{8}$	$\frac{1}{8}$
52	−5	5	−5	1	31	−15	$\frac{4847}{60516}$	$-\frac{1}{1681}$	$\frac{717}{6724}$	$-\frac{3824}{15129}$	$-\frac{220059299}{806880}$	$-\frac{42960521}{806880}$
53	−5	5	−5	7	19	−9	$\frac{3453}{107584}$	0	$-\frac{81}{107584}$	$\frac{3}{1681}$	$-\frac{40721091}{4303360}$	$\frac{3918871}{4303360}$
54	−5	5	3	1	7	1	$\frac{1151}{242064}$	0	$-\frac{3}{26896}$	$\frac{4}{15129}$	$\frac{899461}{3227520}$	$\frac{91759}{3227520}$
55	−5	5	3	7	−5	7	$\frac{3453}{1721344}$	0	$-\frac{81}{1721344}$	$\frac{3}{26896}$	$-\frac{16514691}{68853760}$	$\frac{3380951}{68853760}$
56	−5	5	11	−5	−5	11	$\frac{403}{484128}$	0	$\frac{185}{53792}$	$-\frac{1}{123}$	$-\frac{3217409}{430336}$	$-\frac{751331}{430336}$
57	−5	5	11	1	7	−7	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{74552381}{268960}$	$-\frac{14442519}{268960}$
58	−5	5	11	7	−5	−1	0	0	0	0	$-\frac{45}{8}$	$\frac{1}{8}$
59	−5	6	−5	2	24	−10	$\frac{1151}{40344}$	0	$-\frac{9}{13448}$	$\frac{8}{5043}$	$-\frac{4546979}{537920}$	$\frac{427959}{537920}$
60	−5	6	−5	8	12	−4	$\frac{5193}{430336}$	0	$\frac{179}{430336}$	$-\frac{9}{6724}$	$\frac{27519273}{17213440}$	$-\frac{173853}{419840}$
61	−5	6	3	−4	12	0	$\frac{767}{181548}$	0	$-\frac{1}{6724}$	$\frac{19}{45387}$	$\frac{483121}{2420640}$	$\frac{82579}{2420640}$
62	−5	6	3	2	0	6	$\frac{1151}{645504}$	0	$-\frac{9}{215168}$	$\frac{1}{10086}$	$-\frac{1521179}{8606720}$	$\frac{360719}{8606720}$
63	−5	6	3	14	0	−6	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{147045537}{537920}$	$-\frac{29162403}{537920}$

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	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{58078581}{268960}$	$-\frac{15316639}{268960}$
134	−1	2	−1	−6	4	14	$\frac{505}{5809536}$	0	$\frac{377}{215168}$	$-\frac{379}{90774}$	$-\frac{298884157}{77460480}$	$-\frac{68115223}{77460480}$
135	−1	2	−1	0	−8	20	$-\frac{1}{62976}$	0	$-\frac{593}{860672}$	$\frac{65}{40344}$	$\frac{10140497}{6885376}$	$\frac{2350803}{6885376}$
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	$\frac{3}{256}$	$-\frac{1}{36}$	$-\frac{782581}{30720}$	$-\frac{180799}{30720}$
139	−1	2	7	6	4	−6	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{67155981}{268960}$	$-\frac{14576999}{268960}$
140	0	0	−12	−3	30	−3	$\frac{127}{484128}$	0	$-\frac{3}{53792}$	$\frac{1}{5043}$	$-\frac{4059833}{2151680}$	$\frac{605173}{2151680}$
141	0	0	−12	9	30	−15	$\frac{243}{53792}$	$-\frac{1}{1681}$	$\frac{6433}{53792}$	$-\frac{486}{1681}$	$-\frac{468167949}{2151680}$	$-\frac{139938951}{2151680}$
142	−1	2	15	0	−8	4	$-\frac{1}{144}$	0	$-\frac{3}{16}$	$\frac{4}{9}$	$\frac{782101}{1920}$	$\frac{181279}{1920}$
143	0	0	−4	−3	6	13	$\frac{875}{7746048}$	0	$\frac{2241}{860672}$	$-\frac{83}{13448}$	$-\frac{198549069}{34426880}$	$-\frac{44499271}{34426880}$
144	0	0	−4	3	18	−5	0	0	0	0	$-\frac{23}{8}$	$\frac{3}{8}$
145	0	0	−4	9	6	1	$\frac{27}{860672}$	0	$\frac{601}{860672}$	$-\frac{27}{13448}$	$\frac{48907899}{34426880}$	$-\frac{23591919}{34426880}$
146	0	0	4	−3	6	5	$-\frac{187}{121032}$	0	$-\frac{561}{13448}$	$\frac{499}{5043}$	$\frac{48622309}{537920}$	$\frac{11276111}{537920}$
147	0	0	4	3	−6	11	$\frac{1}{1536}$	0	$\frac{9}{512}$	$-\frac{1}{24}$	$-\frac{785141}{20480}$	$-\frac{180799}{20480}$
148	0	0	4	9	6	−7	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{64634481}{268960}$	$-\frac{14543379}{268960}$
149	0	0	12	3	−6	3	$-\frac{1}{96}$	0	$-\frac{9}{32}$	$\frac{2}{3}$	$\frac{781461}{1280}$	$\frac{181279}{1280}$
150	0	1	−20	−2	47	−14	$\frac{469}{181548}$	0	$\frac{149}{6724}$	$-\frac{2887}{45387}$	$-\frac{167346061}{2420640}$	$-\frac{29494279}{2420640}$
151	0	1	−12	−2	23	2	$\frac{235}{1452384}$	0	$\frac{75}{53792}$	$-\frac{182}{45387}$	$-\frac{82187071}{19365120}$	$-\frac{15283549}{19365120}$
152	0	1	−12	4	35	−16	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{50581321}{268960}$	$-\frac{15686459}{268960}$
153	0	1	−4	−2	−1	18	$-\frac{1211}{46476288}$	0	$-\frac{1531}{1721344}$	$\frac{1499}{726192}$	$\frac{1153161719}{619683840}$	$\frac{272952581}{619683840}$
154	0	1	−4	−2	23	−6	$-\frac{1}{181548}$	0	$-\frac{1}{6724}$	$\frac{25}{45387}$	$-\frac{2971919}{2420640}$	$\frac{1072819}{2420640}$
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	$\frac{1}{64}$	$-\frac{1}{27}$	$-\frac{783781}{23040}$	$-\frac{180559}{23040}$
157	0	1	4	4	11	−8	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{64567241}{268960}$	$-\frac{14610619}{268960}$
158	0	1	4	10	−1	−2	0	0	0	0	$-\frac{243}{32}$	$-\frac{9}{32}$
159	0	1	12	−2	−1	2	$-\frac{841}{90774}$	0	$-\frac{841}{3362}$	$\frac{26921}{45387}$	$\frac{657281971}{1210320}$	$\frac{152296249}{1210320}$
160	1	−1	−15	7	37	−17	$\frac{135}{26896}$	$-\frac{1}{1681}$	$\frac{3517}{26896}$	$-\frac{540}{1681}$	$-\frac{47170725}{215168}$	$-\frac{15734479}{215168}$
161	1	−1	−7	−5	13	11	$\frac{1615}{11619072}$	0	$\frac{1487}{430336}$	$-\frac{1483}{181548}$	$-\frac{29004227}{3778560}$	$-\frac{264262993}{154920960}$
162	1	−1	−7	1	25	−7	0	0	0	0	$-\frac{11}{2}$	$\frac{1}{2}$
163	1	−1	−7	7	13	−1	$\frac{27}{430336}$	0	$\frac{601}{430336}$	$-\frac{27}{6724}$	$\frac{12598299}{17213440}$	$-\frac{20633359}{17213440}$
164	1	−1	1	1	1	9	$\frac{1}{1152}$	0	$\frac{3}{128}$	$-\frac{1}{18}$	$-\frac{786421}{15360}$	$-\frac{180799}{15360}$
165	1	−1	1	7	13	−9	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{62112981}{268960}$	$-\frac{14509759}{268960}$
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	$-\frac{3}{8}$	$\frac{8}{9}$	$\frac{781141}{960}$	$\frac{181279}{960}$
168	1	0	−15	−4	30	0	$\frac{551}{2904768}$	0	$\frac{295}{107584}$	$-\frac{356}{45387}$	$-\frac{347453459}{38730240}$	$-\frac{55577561}{38730240}$
169	1	0	−15	2	42	−18	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{40730661}{268960}$	$-\frac{16257999}{268960}$
170	1	0	−7	−4	6	16	$-\frac{1685}{46476288}$	0	$-\frac{1941}{1721344}$	$\frac{1877}{726192}$	$\frac{1409780537}{619683840}$	$\frac{349041803}{619683840}$
171	1	0	−7	2	18	−2	0	0	0	0	$\frac{39}{8}$	$-\frac{3}{8}$
172	1	0	1	−4	6	8	$\frac{559}{726192}$	0	$\frac{559}{26896}$	$-\frac{2233}{45387}$	$-\frac{439308499}{9682560}$	$-\frac{101154841}{9682560}$
173	1	0	1	2	−6	14	$-\frac{1}{3072}$	0	$-\frac{9}{1024}$	$\frac{1}{48}$	$\frac{792661}{40960}$	$\frac{180319}{40960}$
174	1	0	1	2	18	−10	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{61709541}{268960}$	$-\frac{14644239}{268960}$
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	$\frac{9}{64}$	$-\frac{1}{3}$	$-\frac{780181}{2560}$	$-\frac{181279}{2560}$
177	1	0	17	2	−6	−2	$-\frac{400}{5043}$	$-\frac{1}{1681}$	$-\frac{3600}{1681}$	$\frac{25600}{5043}$	$\frac{7811092}{1681}$	$\frac{1813036}{1681}$
178	2	−2	−18	5	44	−19	$\frac{81}{13448}$	$-\frac{1}{1681}$	$\frac{59}{13448}$	$-\frac{648}{1681}$	$-\frac{134690983}{537920}$	$-\frac{47299477}{537920}$
179	2	−2	−10	−1	32	−9	$\frac{1}{181548}$	0	$\frac{1}{6724}$	$-\frac{25}{45387}$	$-\frac{23655121}{2420640}$	$\frac{1347821}{2420640}$
180	2	−2	−10	5	20	−3	$\frac{27}{215168}$	0	$\frac{601}{215168}$	$-\frac{27}{3362}$	$-\frac{15373541}{8606720}$	$-\frac{18481679}{8606720}$
181	2	−2	−2	−1	8	7	$\frac{1}{864}$	0	$\frac{1}{32}$	$-\frac{2}{27}$	$-\frac{787741}{11520}$	$-\frac{180919}{11520}$
182	2	−2	−2	5	−4	13	$-\frac{827}{1721344}$	0	$-\frac{22393}{1721344}$	$\frac{827}{26896}$	$\frac{1960884421}{68853760}$	$\frac{447585199}{68853760}$
183	2	−2	−2	5	20	−11	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{59658721}{268960}$	$-\frac{14408899}{268960}$
184	2	−2	−2	11	8	−5	0	0	0	0	$\frac{81}{32}$	$-\frac{45}{32}$
185	2	−2	6	−1	8	−1	$-\frac{3361}{181548}$	0	$-\frac{3361}{6724}$	$\frac{53767}{45387}$	$\frac{2624730121}{2420640}$	$\frac{609597499}{2420640}$
186	2	−2	6	5	−4	5	$\frac{1}{128}$	0	$\frac{27}{128}$	$-\frac{1}{2}$	$-\frac{2342143}{5120}$	$-\frac{543517}{5120}$
187	2	−2	14	5	−4	−3	$-\frac{1627}{13448}$	$-\frac{1}{1681}$	$-\frac{43929}{13448}$	$\frac{13016}{1681}$	$\frac{3817824941}{537920}$	$\frac{884834279}{537920}$
188	2	−1	−18	0	49	−20	$\frac{61}{15129}$	$-\frac{1}{1681}$	$\frac{183}{1681}$	$-\frac{3913}{15129}$	$-\frac{21105841}{201720}$	$-\frac{316859}{4920}$
189	2	−1	−10	−6	13	14	$-\frac{5}{107584}$	0	$-\frac{151}{107584}$	$\frac{16}{5043}$	$\frac{11366327}{4303360}$	$\frac{3069573}{4303360}$
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	$-\frac{3}{256}$	$\frac{1}{36}$	$\frac{793861}{30720}$	$\frac{180079}{30720}$
192	2	−1	−2	0	25	−12	$\frac{61}{15129}$	$-\frac{1}{1681}$	$\frac{183}{1681}$	$-\frac{3913}{15129}$	$-\frac{44101921}{201720}$	$-\frac{267659}{4920}$
193	2	−1	−2	6	13	−6	0	0	0	0	−3	−1
194	2	−1	−2	12	1	0	$-\frac{27}{430336}$	0	$-\frac{601}{430336}$	$\frac{27}{6724}$	$-\frac{113054859}{17213440}$	$\frac{31257279}{17213440}$
195	2	−1	6	0	1	4	$\frac{1}{144}$	0	$\frac{3}{16}$	$-\frac{4}{9}$	$-\frac{780181}{1920}$	$-\frac{181279}{1920}$
196	2	−1	14	0	1	−4	$-\frac{180}{1681}$	$-\frac{1}{1681}$	$-\frac{4860}{1681}$	$\frac{11519}{1681}$	$\frac{21123039}{3362}$	$\frac{119413}{82}$
197	3	−3	−21	3	51	−21	$\frac{27}{3362}$	$-\frac{1}{1681}$	$\frac{665}{3362}$	$-\frac{864}{1681}$	$-\frac{46980161}{134480}$	$-\frac{15520739}{134480}$
198	3	−3	−13	3	27	−5	$\frac{27}{107584}$	0	$\frac{601}{107584}$	$-\frac{27}{1681}$	$-\frac{36332421}{4303360}$	$-\frac{16387919}{4303360}$
199	3	−3	−5	−3	15	5	$\frac{187}{121032}$	0	$\frac{561}{13448}$	$-\frac{499}{5043}$	$-\frac{49160229}{537920}$	$-\frac{11276111}{537920}$
200	3	−3	−5	3	3	11	$-\frac{3281}{5164032}$	0	$-\frac{29657}{1721344}$	$\frac{3281}{80688}$	$\frac{2589305701}{68853760}$	$\frac{592054159}{68853760}$
201	3	−3	−5	3	27	−13	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{57607901}{268960}$	$-\frac{14173559}{268960}$

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	$-\frac{20169}{6724}$	$\frac{11951}{1681}$	$\frac{1751384561}{268960}$	$\frac{405814579}{268960}$
272	8	−7	−4	6	7	2	$\frac{3}{64}$	0	$\frac{81}{64}$	−3	$-\frac{7068429}{2560}$	$-\frac{1627271}{2560}$
273	8	−7	4	6	7	−6	$-\frac{1254}{1681}$	$-\frac{1}{1681}$	$-\frac{33858}{1681}$	$\frac{80256}{1681}$	$\frac{2942295897}{67240}$	$\frac{681922603}{67240}$
274	9	−9	−15	9	33	−15	$-\frac{1}{1681}$	$\frac{32}{1681}$	0	$-\frac{1286901}{3362}$	$\frac{147147}{3362}$	$\frac{707218}{1681}$
275	9	−9	−7	3	21	−5	$-\frac{1}{6}$	0	$-\frac{9}{2}$	$\frac{32}{3}$	$\frac{782741}{80}$	$\frac{181039}{80}$
276	9	−9	−7	9	9	1	$\frac{15075}{215168}$	0	$\frac{407281}{215168}$	$-\frac{15075}{3362}$	$-\frac{7112713113}{1721344}$	$-\frac{1634652843}{1721344}$
277	9	−9	1	9	9	−7	$-\frac{15075}{13448}$	$-\frac{1}{1681}$	$-\frac{407025}{13448}$	$\frac{120600}{1681}$	$\frac{7071532281}{107584}$	$\frac{1639361547}{107584}$
278	9	−8	−15	−2	26	2	$\frac{12727}{1452384}$	0	$\frac{12855}{53792}$	$-\frac{25463}{45387}$	$-\frac{9940013827}{19365120}$	$-\frac{2311555753}{19365120}$
279	9	−8	−15	4	38	−16	$\frac{27}{6724}$	$-\frac{1}{1681}$	$\frac{729}{6724}$	$-\frac{432}{1681}$	$-\frac{153155941}{268960}$	$-\frac{3885839}{268960}$
280	9	−8	−7	4	14	0	$\frac{1}{16}$	0	$\frac{27}{16}$	−4	$-\frac{2358983}{640}$	$-\frac{542197}{640}$
281	9	−8	1	4	14	−8	$-\frac{6697}{6724}$	$-\frac{1}{1681}$	$-\frac{180819}{6724}$	$\frac{107152}{1681}$	$\frac{15708645751}{268960}$	$\frac{3641846789}{268960}$
282	9	−8	1	10	2	−2	$\frac{27}{64}$	0	$\frac{729}{64}$	−27	$-\frac{63306981}{2560}$	$-\frac{14674959}{2560}$
283	10	−10	−18	7	40	−17	$-\frac{27}{6724}$	$-\frac{1}{1681}$	$-\frac{473}{6724}$	$\frac{432}{1681}$	$-\frac{93058599}{268960}$	$\frac{31295659}{268960}$
284	10	−10	−10	1	28	−7	$-\frac{4483}{20172}$	0	$-\frac{40347}{6724}$	$\frac{71731}{5043}$	$\frac{3511765923}{268960}$	$\frac{811491657}{268960}$
285	10	−10	−10	7	16	−1	$\frac{627}{6724}$	0	$\frac{16945}{6724}$	$-\frac{10032}{1681}$	$-\frac{740048013}{134480}$	$-\frac{169931927}{134480}$
286	10	−10	−2	7	16	−9	$-\frac{10059}{6724}$	$-\frac{1}{1681}$	$-\frac{271593}{6724}$	$\frac{160944}{1681}$	$\frac{23588477817}{268960}$	$\frac{5469117323}{268960}$
287	10	−10	−2	13	4	−3	$\frac{81}{128}$	0	$\frac{2187}{128}$	$-\frac{81}{2}$	$-\frac{190076463}{5120}$	$-\frac{44007597}{5120}$
288	10	−9	−18	2	45	−18	$\frac{20}{5043}$	$-\frac{1}{1681}$	$\frac{180}{1681}$	$-\frac{31}{123}$	$-\frac{1345409}{1681}$	$\frac{16669}{1681}$
289	10	−9	−10	2	21	−2	$\frac{1}{12}$	0	$\frac{9}{4}$	$-\frac{16}{3}$	$-\frac{787321}{160}$	$-\frac{180619}{160}$
290	10	−9	−2	2	21	−10	$-\frac{6704}{5043}$	$-\frac{1}{1681}$	$-\frac{60336}{1681}$	$\frac{10465}{123}$	$\frac{1310032511}{16810}$	$\frac{303787229}{16810}$
291	10	−9	−2	8	9	−4	$\frac{9}{16}$	0	$\frac{243}{16}$	−36	$-\frac{21105927}{640}$	$-\frac{4890933}{640}$
292	11	−11	−21	5	47	−19	$-\frac{81}{6724}$	$-\frac{1}{1681}$	$-\frac{1675}{6724}$	$\frac{1296}{1681}$	$-\frac{32961257}{268960}$	$\frac{66477157}{268960}$
293	11	−11	−13	5	23	−3	$\frac{3335}{26896}$	0	$\frac{90173}{26896}$	$-\frac{13340}{1681}$	$-\frac{1575063557}{215168}$	$-\frac{361495535}{215168}$
294	11	−11	−5	5	23	−11	$-\frac{13421}{6724}$	$-\frac{1}{1681}$	$-\frac{362367}{6724}$	$\frac{214736}{1681}$	$\frac{31468309883}{268960}$	$\frac{7296387857}{268960}$
295	11	−11	−5	11	11	−5	$\frac{27}{32}$	0	$\frac{729}{32}$	−54	$-\frac{63384741}{1280}$	$-\frac{14666319}{1280}$
296	11	−10	−13	0	28	−4	$\frac{747}{6724}$	0	$\frac{20169}{6724}$	$-\frac{11951}{1681}$	$-\frac{1766782521}{268960}$	$-\frac{404402539}{268960}$
297	11	−10	−5	6	16	−6	$\frac{3}{4}$	0	$\frac{81}{4}$	−48	$-\frac{7037409}{160}$	$-\frac{1630051}{160}$
298	11	−10	−5	12	4	0	$-\frac{135945}{430336}$	0	$-\frac{3671539}{430336}$	$\frac{135945}{6724}$	$\frac{64001808747}{3442688}$	$\frac{14752604385}{3442688}$
299	12	−12	−24	3	54	−21	$-\frac{283}{10086}$	$-\frac{1}{1681}$	$-\frac{2035}{3362}$	$\frac{9047}{5043}$	$\frac{74671463}{134480}$	$\frac{65143637}{134480}$
300	12	−12	−16	3	30	−5	$\frac{6643}{40344}$	0	$\frac{59915}{13448}$	$-\frac{53144}{5043}$	$-\frac{5228344583}{537920}$	$-\frac{1200236597}{537920}$
301	12	−12	−8	3	30	−13	$-\frac{655}{246}$	$\frac{1}{1681}$	$-\frac{5895}{82}$	$\frac{859351}{5043}$	$\frac{4197609959}{26896}$	$\frac{973218005}{26896}$
302	12	−12	−8	9	18	−7	$\frac{9}{8}$	0	$\frac{243}{8}$	−72	$-\frac{21139407}{320}$	$-\frac{4887693}{320}$
303	12	−11	−8	4	23	−8	1	0	27	−64	$-\frac{293351}{5}$	$-\frac{67909}{5}$
304	12	−11	−8	10	11	−2	$-\frac{45279}{107584}$	0	$-\frac{1223045}{107584}$	$\frac{45279}{1681}$	$\frac{106664289777}{4303360}$	$\frac{24561731763}{4303360}$
305	13	−13	−19	1	37	−7	$\frac{2201}{10086}$	0	$\frac{19873}{3362}$	$-\frac{70435}{5043}$	$-\frac{1730781031}{134480}$	$-\frac{397917029}{134480}$
306	13	−13	−11	7	25	−9	$\frac{3}{2}$	0	$\frac{81}{2}$	−96	$-\frac{7050999}{80}$	$-\frac{1628821}{80}$
307	13	−12	−11	2	30	−10	$\frac{26897}{20172}$	0	$\frac{242073}{6724}$	$-\frac{430361}{5043}$	$-\frac{21052084277}{268960}$	$-\frac{4870129663}{268960}$
308	13	−12	−11	8	18	−4	$-\frac{15075}{26896}$	0	$-\frac{407281}{26896}$	$\frac{60300}{1681}$	$\frac{7107266673}{215168}$	$\frac{1635096627}{215168}$
309	13	−12	−3	14	6	−6	$-\frac{408051}{107584}$	$-\frac{1}{1681}$	$-\frac{11017377}{107584}$	$\frac{408051}{1681}$	$\frac{957395577933}{4303360}$	$\frac{221746030407}{4303360}$
310	14	−14	−14	5	32	−11	2	0	54	−128	$-\frac{4704191}{40}$	$, -\frac{1085549}{40}$
311	14	−14	−6	17	8	−7	$-\frac{1224153}{215168}$	$-\frac{1}{1681}$	$-\frac{33054179}{215168}$	$\frac{1224153}{3362}$	$\frac{2874327777639}{8606720}$	$\frac{664994875221}{8606720}$
312	14	−13	−14	6	25	−6	$-\frac{1254}{1681}$	0	$-\frac{33890}{1681}$	$\frac{80256}{1681}$	$\frac{2957594907}{67240}$	$\frac{679937833}{67240}$
313	14	−13	−6	12	13	−8	$-\frac{136053}{26896}$	$-\frac{1}{1681}$	$-\frac{3673431}{26896}$	$\frac{544212}{1681}$	$\frac{319293885339}{1075840}$	$\frac{73923438321}{1075840}$
314	15	−15	−17	3	39	−13	$\frac{53791}{20172}$	0	$\frac{484119}{6724}$	$-\frac{860647}{5043}$	$-\frac{42209876291}{268960}$	$-\frac{9728333289}{268960}$
315	15	−15	−9	15	15	−9	$-\frac{408051}{53792}$	$-\frac{1}{1681}$	$-\frac{11018401}{53792}$	$\frac{816102}{1681}$	$\frac{958466099853}{2151680}$	$\frac{221624422407}{2151680}$
316	15	−14	−17	4	32	−8	$-\frac{3335}{3362}$	0	$-\frac{90173}{3362}$	$\frac{106720}{1681}$	$\frac{1573523761}{26896}$	$\frac{361636739}{26896}$
317	5	−14	−9	10	20	−10	$-\frac{11340}{1681}$	$-\frac{1}{1681}$	$-\frac{306180}{1681}$	$\frac{725760}{1681}$	$\frac{2662226217}{6724}$	$\frac{616041423}{6724}$
318	16	−16	−12	13	22	−11	$-\frac{135999}{13448}$	$-\frac{1}{1681}$	$-\frac{3672485}{13448}$	$\frac{1087992}{1681}$	$\frac{319586107257}{537920}$	$\frac{73850492043}{537920}$
319	16	−15	−20	2	39	−10	$-\frac{26573}{20172}$	0	$-\frac{239669}{6724}$	$\frac{425177}{5043}$	$\frac{20891579213}{268960}$	$\frac{4803632967}{268960}$
320	16	−15	−12	8	27	−12	$-\frac{60489}{6724}$	$-\frac{1}{1681}$	$-\frac{1633203}{6724}$	$\frac{967824}{1681}$	$\frac{142070081427}{268960}$	$\frac{32853733593}{268960}$
321	17	−17	−15	11	29	−13	$-\frac{90639}{6724}$	$-\frac{1}{1681}$	$-\frac{2447765}{6724}$	$\frac{1450224}{1681}$	$\frac{213097058577}{268960}$	$\frac{49208835123}{268960}$
322	17	−16	−15	6	34	−14	$-\frac{80661}{6724}$	$-\frac{1}{1681}$	$-\frac{2177847}{6724}$	$\frac{1290576}{1681}$	$\frac{189552105003}{268960}$	$\frac{43799235617}{268960}$
323	18	−18	−18	9	36	−15	$-\frac{120789}{6724}$	$-\frac{1}{1681}$	$-\frac{3262327}{6724}$	$\frac{1932624}{1681}$	$\frac{284124035727}{268960}$	$\frac{65563936653}{268960}$
324	18	−17	−18	4	41	−16	$-\frac{26889}{1681}$	$-\frac{1}{1681}$	$-\frac{726003}{1681}$	$\frac{1720887}{1681}$	$\frac{63229943327}{67240}$	$\frac{14596443133}{67240}$
325	19	−19	−21	7	43	−17	$-\frac{160917}{6724}$	$-\frac{1}{1681}$	$-\frac{4346807}{6724}$	$\frac{2574672}{1681}$	$\frac{378695966451}{268960}$	$\frac{87328637689}{268960}$
326	20	−20	−24	5	50	−19	$-\frac{107139}{3362}$	$-\frac{1}{1681}$	$-\frac{2894801}{3362}$	$\frac{3428457}{1681}$	$\frac{252236079797}{134480}$	$\frac{58135751423}{134480}$

Table 2. The eta quotients and the coefficients r_3 r_4 r_5 r_6 r_7 r_8

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	$\frac{14748959}{151290}$	$-\frac{9207449}{75645}$	$\frac{2658959}{30258}$	*rac*66 848 83375 645	$-\frac{776}{15}$	$-\frac{1795956}{1681}$
2	−13	13	27	−1	−13	−1	$\frac{66889111}{605160}$	$-\frac{44867921}{302580}$	$\frac{4530221}{40344}$	$\frac{285574457}{302580}$	$-\frac{946}{15}$	$-\frac{2084661}{1681}$
3	−12	12	24	−3	−6	−3	$\frac{4154577}{33620}$	$-\frac{26453023}{151290}$	$\frac{8272745}{60516}$	$\frac{16875199}{16810}$	$-\frac{372}{5}$	$-\frac{2373366}{1681}$
4	−12	13	24	−2	−13	2	$-\frac{1422137}{151290}$	$\frac{1512592}{75645}$	$-\frac{187075}{10086}$	$-\frac{3254644}{75645}$	$\frac{128}{15}$	$\frac{215144}{1681}$
5	−11	11	21	1	−11	1	$-\frac{336623}{50430}$	$\frac{378148}{25215}$	$-\frac{47189}{3362}$	$-\frac{738016}{25215}$	$\frac{32}{5}$	$\frac{157996}{1681}$
6	−11	12	13	8	−6	−4	$\frac{3508273}{26896}$	$-\frac{2559251}{13448}$	$\frac{4067181}{26896}$	$\frac{14032143}{13448}$	−81	$-\frac{5110371}{3362}$
7	−11	12	21	−4	−6	0	$-\frac{3483821}{605160}$	$\frac{4062611}{302580}$	$-\frac{1534973}{121032}$	$-\frac{7858027}{302580}$	$\frac{86}{15}$	$\frac{141583}{1681}$
8	−10	10	10	11	−4	−5	$\frac{72107769}{537920}$	$-\frac{53737519}{268960}$	$\frac{17250777}{107584}$	$\frac{284943663}{268960}$	$-\frac{1701}{20}$	$-\frac{21275379}{13448}$
9	−10	10	18	−1	−4	−1	$-\frac{597601}{151290}$	$\frac{756296}{75645}$	$-\frac{96059}{10086}$	$-\frac{1173452}{75645}$	$\frac{64}{15}$	$\frac{100848}{1681}$
10	−10	11	10	6	1	−6	$\frac{1141703}{8405}$	$-\frac{1705886}{8405}$	$\frac{274238}{1681}$	$\frac{8987112}{8405}$	$-\frac{432}{5}$	$-\frac{2694168}{1681}$
11	−10	11	18	0	−11	4	$-\frac{103067}{50430}$	$\frac{94537}{25215}$	$-\frac{11377}{3362}$	$-\frac{285364}{25215}$	$\frac{8}{5}$	$\frac{44542}{1681}$
12	−9	9	7	9	3	−7	$\frac{37025039}{268960}$	$-\frac{28145009}{134480}$	$\frac{9116415}{53792}$	$\frac{144622233}{134480}$	$-\frac{891}{10}$	$-\frac{11054637}{6724}$
13	−9	9	15	−3	3	−3	$-\frac{432329}{201720}$	$\frac{1987757}{302580}$	$-\frac{770443}{121032}$	$-\frac{509863}{100860}$	$\frac{14}{5}$	$\frac{60113}{1681}$
14	−9	9	15	3	−9	3	$-\frac{103067}{67240}$	$\frac{94537}{33620}$	$-\frac{34131}{13448}$	$-\frac{327389}{33620}$	$\frac{6}{5}$	$\frac{35928}{1681}$
15	−9	10	7	4	8	−8	$\frac{1868393}{13448}$	$-\frac{1421431}{6724}$	$\frac{2303021}{13448}$	$\frac{7285263}{6724}$	−90	$-\frac{2786823}{1681}$
16	−9	10	7	10	−4	−2	$-\frac{4414887}{2151680}$	$\frac{7657497}{1075840}$	$-\frac{3120983}{430336}$	$-\frac{7455969}{1075840}$	$\frac{243}{80}$	$\frac{2501685}{53792}$
17	−9	10	15	−2	−4	2	$-\frac{103067}{75645}$	$\frac{189074}{75645}$	$-\frac{11377}{5043}$	$-\frac{671588}{75645}$	$\frac{16}{15}$	$\frac{31936}{1681}$
18	−8	8	4	7	10	−9	$\frac{18757791}{134480}$	$-\frac{14497921}{67240}$	$\frac{4728607}{26896}$	$\frac{72725337}{67240}$	$-\frac{459}{5}$	$-\frac{5666301}{3362}$
19	−8	8	4	13	−2	−3	$-\frac{3965541}{8606720}$	$\frac{23106971}{4303360}$	$-\frac{10842229}{1721344}$	$\frac{10310733}{4303360}$	$\frac{729}{320}$	$\frac{7505055}{215168}$
20	−8	8	12	1	−2	1	$-\frac{103067}{100860}$	$\frac{94537}{50430}$	$-\frac{11377}{6724}$	$-\frac{411439}{50430}$	$\frac{4}{5}$	$\frac{27314}{1681}$
21	−8	8	20	−5	−14	11	$-\frac{21041671}{4841280}$	$\frac{2033009}{268960}$	$-\frac{6235127}{968256}$	$-\frac{67119617}{2420640}$	$\frac{193}{60}$	$\frac{666301}{13448}$
22	−8	9	4	2	15	−10	$\frac{9447239}{67240}$	$-\frac{7296229}{33620}$	$\frac{2378007}{13448}$	$\frac{36610413}{33620}$	$-\frac{462}{5}$	$-\frac{2848593}{1681}$
23	−8	9	4	8	3	−4	$-\frac{530269}{1075840}$	$\frac{2552499}{537920}$	$-\frac{1156877}{215168}$	$\frac{1145637}{537920}$	$\frac{81}{40}$	$\frac{833895}{26896}$
24	−8	9	12	−4	3	0	$-\frac{111131}{121032}$	$\frac{95033}{60516}$	$-\frac{163831}{121032}$	$-\frac{441697}{60516}$	$\frac{2}{3}$	$\frac{23137}{1681}$
25	−8	9	12	2	−9	6	$-\frac{103067}{268960}$	$\frac{94537}{134480}$	$-\frac{34131}{53792}$	$-\frac{125669}{134480}$	$\frac{3}{10}$	$\frac{20799}{6724}$
26	−8	9	20	2	−9	−2	$\frac{9859507}{67240}$	$-\frac{7674377}{33620}$	$\frac{2514531}{13448}$	$\frac{37113089}{33620}$	$-\frac{486}{5}$	$-\frac{2931789}{1681}$
27	−7	7	1	5	17	−11	$\frac{4707913}{33620}$	$-\frac{3695383}{16810}$	$\frac{1212793}{6724}$	$\frac{442671}{410}$	$-\frac{468}{5}$	$-\frac{2879478}{1681}$
28	−7	7	1	11	5	−5	$\frac{4864233}{4303360}$	$\frac{7791977}{2151680}$	$-\frac{4600263}{860672}$	$\frac{25222671}{2151680}$	$\frac{243}{160}$	$\frac{2501685}{107584}$
29	−7	7	9	−1	5	−1	$-\frac{103067}{151290}$	$\frac{94537}{75645}$	$-\frac{11377}{10086}$	$-\frac{562729}{75645}$	$\frac{8}{15}$	$\frac{22692}{1681}$
30	−7	7	9	5	−7	5	$-\frac{342821}{1075840}$	$\frac{283611}{537920}$	$-\frac{95669}{215168}$	$-\frac{276147}{537920}$	$\frac{9}{40}$	$\frac{32139}{26896}$
31	−7	7	17	5	−7	−3	$\frac{9758647}{67240}$	$-\frac{7674377}{33620}$	$\frac{2521255}{13448}$	$\frac{36575169}{33620}$	$-\frac{486}{5}$	$-\frac{2911617}{1681}$
32	−7	8	1	0	22	−12	$\frac{5690281}{40344}$	$-\frac{4453367}{20172}$	$\frac{2430239}{13448}$	$\frac{21932303}{20172}$	−94	$-\frac{2889773}{1681}$
33	−7	8	1	6	10	−6	$\frac{450817}{537920}$	$\frac{850833}{268960}$	$-\frac{475279}{107584}$	$\frac{2802519}{268960}$	$\frac{27}{20}$	$\frac{277965}{13448}$
34	−7	8	1	12	−2	0	$-\frac{25166487}{17213440}$	$\frac{6840937}{8606720}$	$\frac{894649}{3442688}$	$-\frac{73584369}{8606720}$	$\frac{243}{640}$	$\frac{2738853}{430336}$
35	−7	8	9	0	−2	4	$-\frac{103067}{403440}$	$\frac{94537}{201720}$	$-\frac{11377}{26896}$	$-\frac{58429}{201720}$	$\frac{1}{5}$	$\frac{3571}{3362}$
36	−7	8	17	−6	−14	14	$\frac{1326305}{645504}$	$-\frac{1168063}{322752}$	$\frac{668519}{215168}$	$\frac{4335895}{322752}$	$-\frac{37}{24}$	$-\frac{635845}{26896}$
37	−7	8	17	0	−2	−4	$\frac{9758647}{67240}$	$-\frac{7674377}{33620}$	$\frac{2521255}{13448}$	$\frac{36709649}{33620}$	$-\frac{486}{5}$	$-\frac{2918341}{1681}$
38	−6	6	−2	3	24	−13	$\frac{9384413}{67240}$	$-\frac{7485303}{33620}$	$\frac{2473165}{13448}$	$\frac{35987631}{33620}$	$-\frac{474}{5}$	$-\frac{2910363}{1681}$
39	−6	6	−2	9	12	−7	$\frac{5924771}{2151680}$	$\frac{2686979}{1075840}$	$-\frac{2286509}{430336}$	$\frac{22931397}{1075840}$	$\frac{81}{80}$	$\frac{833895}{53792}$
40	−6	6	6	−3	12	−3	$-\frac{89627}{201720}$	$\frac{281131}{302580}$	$-\frac{109217}{121032}$	$-\frac{764449}{100860}$	$\frac{2}{5}$	$\frac{22247}{1681}$
41	−6	6	6	3	0	3	$-\frac{136687}{537920}$	$\frac{94537}{268960}$	$-\frac{27407}{107584}$	$-\frac{24809}{268960}$	$\frac{3}{20}$	$-\frac{9459}{13448}$
42	−6	6	14	−3	−12	13	$\frac{1340641}{430336}$	$-\frac{10520503}{1936512}$	$\frac{17940829}{3873024}$	$\frac{4335895}{215168}$	$-\frac{37}{16}$	$-\frac{1904575}{53792}$
43	−6	6	14	3	0	−5	$\frac{9657787}{67240}$	$-\frac{7674377}{33620}$	$\frac{2527979}{13448}$	$\frac{36037249}{33620}$	$-\frac{486}{5}$	$-\frac{2891445}{1681}$
44	−6	6	22	−3	−12	5	$-\frac{20288869}{403440}$	$\frac{53164777}{605160}$	$-\frac{18159263}{242064}$	$-\frac{66567323}{201720}$	$\frac{187}{5}$	$\frac{1949069}{3362}$
45	−6	7	−2	−2	29	−14	$\frac{10661113}{75645}$	$-\frac{16867426}{75645}$	$\frac{922963}{5043}$	$\frac{81566722}{75645}$	$-\frac{1424}{15}$	$-\frac{2913800}{1681}$
46	−6	7	−2	4	17	−8	$\frac{598539}{268960}$	$\frac{283611}{134480}$	$-\frac{230149}{53792}$	$\frac{2547933}{134480}$	$\frac{9}{10}$	$\frac{92655}{6724}$
47	−6	7	−2	10	5	−2	$-\frac{71703}{53792}$	$-\frac{4263}{26896}$	$\frac{79261}{53792}$	$-\frac{209061}{26896}$	0	$\frac{14823}{13448}$
48	−6	7	6	−2	5	2	$-\frac{103067}{605160}$	$\frac{94537}{302580}$	$-\frac{11377}{40344}$	$\frac{42431}{302580}$	$\frac{2}{15}$	$-\frac{1051}{1681}$
49	−6	7	6	4	−7	8	$\frac{195099}{4303360}$	$\frac{283611}{2151680}$	$-\frac{203253}{860672}$	$-\frac{276147}{2151680}$	$\frac{9}{160}$	$\frac{213687}{107584}$
50	−6	7	14	−2	5	−6	$\frac{10867247}{75645}$	$-\frac{17245574}{75645}$	$\frac{315239}{1681}$	$\frac{81396998}{75645}$	$-\frac{1456}{15}$	$-\frac{2896984}{1681}$
51	−6	7	14	4	−7	0	$\frac{3}{2}$	0	$-\frac{1}{2}$	21	0	−18
52	−5	5	−5	1	31	−15	$\frac{27855073}{201720}$	$-\frac{22644983}{100860}$	$\frac{2516091}{13448}$	$\frac{106264271}{100860}$	$-\frac{478}{5}$	$-\frac{2930953}{1681}$
53	−5	5	−5	7	19	−9	$\frac{5023137}{1075840}$	$\frac{985313}{537920}$	$-\frac{1335951}{215168}$	$\frac{17326359}{537920}$	$\frac{27}{40}$	$\frac{277965}{26896}$
54	−5	5	3	1	7	1	$-\frac{203927}{806880}$	$\frac{94537}{403440}$	$-\frac{4653}{53792}$	$\frac{42431}{403440}$	$\frac{1}{10}$	$-\frac{16601}{6724}$
55	−5	5	3	7	−5	7	$\frac{3409377}{17213440}$	$\frac{985313}{8606720}$	$-\frac{1228367}{3442688}$	$\frac{2802519}{8606720}$	$\frac{27}{640}$	$\frac{1004157}{430336}$
56	−5	5	11	−5	−5	11	$\frac{1347809}{322752}$	$-\frac{3508157}{484128}$	$\frac{5962079}{968256}$	$\frac{4335895}{161376}$	$-\frac{37}{12}$	$-\frac{634365}{13448}$
57	−5	5	11	1	7	−7	$\frac{9556927}{67240}$	$-\frac{7674377}{33620}$	$\frac{2534703}{13448}$	$\frac{35364849}{33620}$	$-\frac{486}{5}$	$-\frac{2864549}{1681}$
58	−5	5	11	7	−5	−1	$\frac{3}{2}$	0	$-\frac{1}{2}$	27	0	−27
59	−5	6	−5	2	24	−10	$\frac{535713}{134480}$	$\frac{94537}{67240}$	$-\frac{134991}{26896}$	$\frac{1925151}{67240}$	$\frac{3}{5}$	$\frac{30885}{3362}$
60	−5	6	−5	8	12	−4	$-\frac{4487171}{4303360}$	$-\frac{3100099}{2151680}$	$\frac{2563597}{860672}$	$-\frac{12809637}{2151680}$	$-\frac{81}{160}$	$-\frac{596727}{107584}$

61	−5	6	3	−4	12	0	$-\frac{62747}{605160}$	$\frac{92057}{302580}$	$-\frac{40955}{121032}$	$\frac{42431}{302580}$	$\frac{2}{15}$	$-\frac{2547}{1681}$
62	−5	6	3	2	0	6	$\frac{333993}{2151680}$	$\frac{94537}{1075840}$	$-\frac{121543}{430336}$	$\frac{176911}{1075840}$	$\frac{3}{80}$	$\frac{111573}{53792}$
63	−5	6	3	14	0	−6	$\frac{18550719}{134480}$	$-\frac{15357159}{67240}$	$\frac{5185395}{26896}$	$\frac{71057493}{67240}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
64	−5	6	11	−4	−12	16	$-\frac{61153381}{38730240}$	$\frac{53358811}{19365120}$	$-\frac{18213877}{7746048}$	$-\frac{197196467}{19365120}$	$\frac{563}{480}$	$\frac{1923063}{107584}$
65	−5	6	11	2	0	−2	$\frac{3}{2}$	0	$-\frac{1}{2}$	26	0	−24
66	−5	6	19	−4	−12	8	$\frac{60902393}{2420640}$	$-\frac{52990583}{1210320}$	$\frac{18050057}{484128}$	$\frac{197366191}{1210320}$	$-\frac{559}{30}$	$-\frac{1933251}{6724}$
67	−4	4	−8	−1	38	−17	$\frac{40920767}{302580}$	$-\frac{34200097}{151290}$	$\frac{3856421}{20172}$	$\frac{155659369}{151290}$	$-\frac{1444}{15}$	$-\frac{2948106}{1681}$
68	−4	4	−8	5	26	−11	$\frac{3826059}{537920}$	$\frac{418091}{268960}$	$-\frac{875653}{107584}$	$\frac{12230493}{268960}$	$\frac{9}{20}$	$\frac{92655}{13448}$
69	−4	4	0	5	2	5	$\frac{3019179}{8606720}$	$\frac{418091}{4303360}$	$-\frac{821861}{1721344}$	$\frac{3354813}{4303360}$	$\frac{9}{320}$	$\frac{576783}{215168}$
70	−4	4	0	−1	14	−1	$-\frac{405647}{1210320}$	$\frac{94537}{605160}$	$\frac{8795}{80688}$	$\frac{42431}{605160}$,	$\frac{1}{15}$	$-\frac{14499}{3362}$
71	−4	4	0	17	2	−7	$\frac{1140878583}{8606720}$	$-\frac{992283273}{4303360}$	$\frac{344496807}{1721344}$	$\frac{4390200081}{4303360}$	$-\frac{31347}{320}$	$-\frac{382460373}{215168}$
72	−4	4	8	−1	−10	15	$-\frac{36851639}{15492096}$	$\frac{31939657}{7746048}$	$-\frac{6029227}{1721344}$	$-\frac{118351825}{7746048}$	$\frac{337}{192}$	$\frac{5746497}{215168}$
73	−4	4	8	−1	14	−9	$\frac{8508671}{60516}$	$-\frac{6915649}{30258}$	$\frac{31067}{164}$	$\frac{31097929}{30258}$	$-\frac{292}{3}$	$-\frac{2832114}{1681}$
74	−4	4	8	5	2	−3	$\frac{3}{2}$	0	$-\frac{1}{2}$	33	0	−36
75	−4	4	16	−1	−10	7	$\frac{108647}{2880}$	$-\frac{94777}{1440}$	$\frac{10781}{192}$	$\frac{352129}{1440}$	$-\frac{1681}{60}$	$-\frac{3453}{8}$
76	−4	4	24	−1	−10	−1	$-\frac{35023063}{75645}$	$\frac{62370946}{75645}$	$-\frac{87205}{123}$	$-\frac{218219602}{75645}$	$\frac{5264}{15}$	$\frac{8776872}{1681}$
77	−4	5	−8	0	31	−12	$\frac{1308973}{201720}$	$\frac{94537}{100860}$	$-\frac{92065}{13448}$	$\frac{4076831}{100860}$	$\frac{2}{5}$	$\frac{10295}{1681}$
78	−4	5	−8	6	19	−6	$-\frac{91417}{537920}$	$-\frac{954113}{268960}$	$\frac{544551}{107584}$	$-\frac{272079}{268960}$	$-\frac{27}{20}$	$-\frac{218673}{13448}$
79	−4	5	0	0	7	4	$\frac{1006393}{3227520}$	$\frac{94537}{1613760}$	$-\frac{85341}{215168}$	$\frac{849311}{1613760}$	$\frac{1}{40}$	$\frac{64087}{26896}$
80	−4	5	0	6	−5	10	$-\frac{158657}{8606720}$	$-\frac{954113}{4303360}$	$\frac{557999}{1721344}$	$\frac{1543401}{4303360}$	$-\frac{27}{320}$	$-\frac{400221}{215168}$
81	−4	5	0	12	7	−8	$\frac{8985387}{67240}$	$-\frac{3841391}{16810}$	$\frac{2638925}{13448}$	$\frac{34507539}{33620}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
82	−4	5	8	−6	−5	14	$-\frac{20306843}{9682560}$	$\frac{17899093}{4841280}$	$-\frac{2051065}{645504}$	$-\frac{66079021}{4841280}$	$\frac{63}{40}$	$\frac{645089}{26896}$
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	$\frac{2754633}{268960}$	$\frac{229017}{134480}$	$-\frac{605671}{53792}$	$\frac{8380191}{134480}$	$\frac{3}{10}$	$\frac{30885}{6724}$
86	−3	3	−3	−3	21	−3	$-\frac{1905}{3362}$	$\frac{124}{15129}$	$\frac{16835}{30258}$	0	0	$-\frac{11952}{1681}$
87	−3	3	−3	3	9	3	$\frac{2351193}{4303360}$	$\frac{229017}{2151680}$	$-\frac{578775}{860672}$	$\frac{3000991}{2151680}$	$\frac{3}{160}$	$\frac{353637}{107584}$
88	−3	3	−3	15	9	−9	$\frac{109451115}{860672}$	$-\frac{100170837}{430336}$	$\frac{178564167}{860672}$	$\frac{423272061}{430336}$	$-\frac{3159}{32}$	$-\frac{192243861}{107584}$
89	−3	3	5	−3	−3	13	$-\frac{20517469}{6455040}$	$\frac{53169737}{9682560}$	$-\frac{18024583}{3873024}$	$-\frac{65760443}{3227520}$	$\frac{187}{80}$	$\frac{1911717}{53792}$
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	$\frac{20288869}{403440}$	$-\frac{53164777}{605160}$	$\frac{18159263}{242064}$	$\frac{65760443}{201720}$	$-\frac{187}{5}$	$-\frac{1935621}{3362}$
93	−3	4	−11	−2	38	−14	$\frac{6130153}{605160}$	$\frac{101977}{302580}$	$-\frac{387821}{40344}$	$\frac{16986911}{302580}$	$\frac{2}{15}$	$\frac{3437}{1681}$
94	−3	4	−11	4	26	−8	$\frac{2263313}{1075840}$	$-\frac{3965583}{537920}$	$\frac{1762849}{215168}$	$\frac{147471}{13120}$	$-\frac{117}{40}$	$-\frac{967347}{26896}$
95	−3	4	−3	−2	14	2	$\frac{2620153}{4841280}$	$\frac{94537}{2420640}$	$-\frac{192925}{322752}$	$\frac{2463071}{2420640}$	$\frac{1}{60}$	$\frac{39293}{13448}$
96	−3	4	−3	4	2	8	$\frac{1994353}{17213440}$	$-\frac{3965583}{8606720}$	$\frac{1816641}{3442688}$	$\frac{245871}{209920}$	$-\frac{117}{640}$	$-\frac{1451475}{430336}$
97	−3	4	−3	10	14	−10	$\frac{8581947}{67240}$	$-\frac{7691187}{33620}$	$\frac{2709527}{13448}$	$\frac{33145929}{33620}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
98	−3	4	5	−2	−10	18	$\frac{187875913}{154920960}$	$-\frac{159131063}{77460480}$	$\frac{5912337}{3442688}$	$\frac{594434351}{77460480}$	$-\frac{1679}{1920}$	$-\frac{5699011}{430336}$
99	−3	4	5	−2	14	−6	$\frac{889847}{605160}$	$-\frac{87097}{302580}$	$-\frac{657}{13448}$	$\frac{12060769}{302580}$	$-\frac{2}{15}$	$-\frac{75149}{1681}$
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	$-\frac{108647}{5760}$	$\frac{94777}{2880}$	$-\frac{10781}{384}$	$-\frac{350689}{2880}$	$\frac{1681}{120}$	$\frac{3437}{16}$
102	−3	4	21	−2	−10	2	$\frac{91762727}{302580}$	$-\frac{79703617}{151290}$	$\frac{9060445}{20172}$	$\frac{300784489}{151290}$	$-\frac{3364}{15}$	$-\frac{5852746}{1681}$
103	−2	2	−14	1	40	−15	$\frac{5645953}{403440}$	$\frac{497977}{201720}$	$-\frac{421541}{26896}$	$\frac{16986911}{201720}$	$\frac{1}{5}$	$\frac{10295}{3362}$
104	−2	2	−6	1	16	1	$\frac{5040793}{6455040}$	$\frac{497977}{3227520}$	$-\frac{408093}{430336}$	$\frac{7304351}{3227520}$	$\frac{1}{80}$	$\frac{225463}{53792}$
105	−2	2	−6	13	16	−11	$\frac{259723191}{2151680}$	$-\frac{255005161}{1075840}$	$\frac{94118567}{430336}$	$\frac{1012119057}{1075840}$	$-\frac{8019}{80}$	$-\frac{97135605}{53792}$
106	−2	2	2	−5	4	11	$-\frac{10311391}{2420640}$	$\frac{8817661}{1210320}$	$-\frac{2967847}{484128}$	$-\frac{32800577}{1210320}$	$\frac{31}{10}$	$\frac{316657}{6724}$
107	−2	2	2	1	−8	17	$\frac{781985}{430336}$	$-\frac{661759}{215168}$	$\frac{1107173}{430336}$	$\frac{2486719}{215168}$	$-\frac{21}{16}$	$-\frac{1067527}{53792}$
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	$-\frac{108647}{3840}$	$\frac{94777}{1920}$	$-\frac{10781}{256}$	$-\frac{350689}{1920}$,	$\frac{1681}{80}$	$\frac{10295}{32}$
111	−2	2	18	1	−8	1	$\frac{109007}{240}$	$-\frac{94777}{120}$	$\frac{10773}{16}$	$\frac{356449}{120}$	$-\frac{1681}{5}$	$-\frac{10423}{2}$
112	−2	3	−14	2	33	−10	$\frac{98663}{13448}$	$-\frac{98141}{6724}$	$\frac{178395}{13448}$	$\frac{264405}{6724}$	−6	$-\frac{124779}{1681}$
113	−2	3	−6	−4	21	0	$\frac{2059847}{2420640}$	$-\frac{84617}{1210320}$	$-\frac{362185}{484128}$	$\frac{2378209}{1210320}$	$-\frac{1}{30}$	$\frac{20483}{6724}$
114	−2	3	−6	2	9	6	$\frac{91939}{215168}$	$-\frac{98141}{107584}$	$\frac{185119}{215168}$	$\frac{318197}{107584}$	$-\frac{3}{8}$	$-\frac{165123}{26896}$
115	−2	3	−6	8	21	−12	$\frac{8010407}{67240}$	$-\frac{7707997}{33620}$	$\frac{2817111}{13448}$	$\frac{31330449}{33620}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
116	−2	3	2	−4	−3	16	$\frac{196757}{121032}$	$-\frac{41465}{15129}$	$\frac{276373}{121032}$	$\frac{620419}{60516}$	$-\frac{7}{6}$	$-\frac{237415}{13448}$
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	$-\frac{60902393}{2420640}$	$\frac{52990583}{1210320}$	$-\frac{18050057}{484128}$	$-\frac{196155871}{1210320}$	$\frac{559}{30}$	$\frac{1919803}{6724}$
120	−2	3	10	8	−3	−4	$\frac{9254347}{67240}$	$-\frac{7674377}{33620}$	$\frac{2554875}{13448}$	$\frac{32238189}{33620}$	$-\frac{486}{5}$	$-\frac{2699811}{1681}$

121	-1	1	-17	-1	47	-17	$\frac{5403853}{302580}$	$\frac{695977}{151290}$	$-\frac{438401}{20172}$	$\frac{16986911}{151290}$	$\frac{4}{15}$	$\frac{6858}{1681}$
122	-1	1	-9	-1	23	-1	$\frac{9882073}{9682560}$	$\frac{1304857}{4841280}$	$-\frac{838429}{645504}$	$\frac{16986911}{4841280}$	$\frac{1}{120}$	$\frac{146877}{26896}$
123	-1	1	-9	11	23	-13	$\frac{122412039}{1075840}$	$-\frac{131946169}{537920}$	$\frac{50766135}{215168}$	$\frac{481784193}{537920}$	$-\frac{4131}{40}$	$-\frac{49581477}{26896}$
124	-1	1	-1	-1	-1	15	$\frac{375153287}{154920960}$	$-\frac{317335417}{77460480}$	$\frac{11802431}{3442688}$	$\frac{1196003329}{77460480}$	$-\frac{3361}{1920}$	$-\frac{11381421}{430336}$
125	-1	1	-1	-1	23	-9	$\frac{925633}{605160}$	$\frac{87097}{302580}$	$-\frac{12791}{13448}$	$\frac{16986911}{302580}$	$\frac{2}{15}$	$-\frac{140019}{1681}$
126	-1	1	-1	5	11	-3	2	0	-2	-6	0	36
127	-1	1	-1	11	-1	3	$-\frac{599553}{419840}$	$-\frac{9156137}{8606720}$	$\frac{9888135}{3442688}$	$-\frac{4979151}{8606720}$	$-\frac{243}{640}$	$-\frac{8563077}{430336}$
128	-1	1	7	-1	-1	7	$-\frac{108647}{2880}$	$\frac{94777}{1440}$	$-\frac{10781}{192}$	$-\frac{350689}{1440}$	$\frac{1681}{60}$	$\frac{3429}{8}$
129	-1	1	7	11	-1	-5	$\frac{9187107}{67240}$	$-\frac{7674377}{33620}$	$\frac{2554875}{13448}$	$\frac{30422709}{33620}$	$-\frac{486}{5}$	$-\frac{2563650}{1681}$
130	-1	1	15	-1	-1	-1	$\frac{366196847}{605160}$	$-\frac{318553177}{302580}$	$\frac{36207349}{40344}$	$\frac{1196003329}{302580}$	$-\frac{6722}{15}$	$-\frac{11668317}{1681}$
131	-1	2	-17	0	40	-12	$\frac{14867567}{806880}$	$-\frac{11468017}{403440}$	$\frac{1189749}{53792}$	$\frac{40561849}{403440}$	$-\frac{121}{10}$	$-\frac{1008527}{6724}$
132	-1	2	-9	0	16	4	$\frac{14060687}{12910080}$	$-\frac{11468017}{6455040}$	$\frac{1243541}{860672}$	$\frac{43789369}{6455040}$	$-\frac{121}{160}$	$-\frac{1223695}{107584}$
133	-1	2	-9	6	28	-14	$\frac{7203527}{67240}$	$-\frac{7741617}{33620}$	$\frac{2978487}{13448}$	$\frac{28909809}{33620}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
134	-1	2	-1	-6	4	14	$\frac{42023519}{19365120}$	$-\frac{35703649}{9682560}$	$\frac{3989893}{1291008}$	$\frac{133410793}{9682560}$	$-\frac{377}{240}$	$-\frac{1277781}{53792}$
135	-1	2	-1	0	-8	20	$-\frac{1411515}{1721344}$	$\frac{1232101}{860672}$	$-\frac{2103191}{1721344}$	$-\frac{4554381}{860672}$	$\frac{39}{64}$	$\frac{2000189}{215168}$
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	$\frac{109127}{7680}$	$-\frac{94777}{3840}$	$\frac{10749}{512}$	$\frac{351169}{3840}$	$-\frac{1681}{160}$	$-\frac{10247}{64}$
139	-1	2	7	6	4	-6	$\frac{9153487}{67240}$	$-\frac{7674377}{33620}$	$\frac{2561599}{13448}$	$\frac{30725289}{33620}$	$-\frac{486}{5}$	$-\frac{2609037}{1681}$
140	0	0	-12	-3	30	-3	$\frac{1920793}{1613760}$	$\frac{1474091}{2420640}$	$-\frac{1790917}{968256}$	$\frac{4076831}{806880}$	$\frac{1}{20}$	$\frac{105911}{13448}$
141	0	0	-12	9	30	-15	$\frac{58328783}{537920}$	$-\frac{70282193}{268960}$	$\frac{28229247}{107584}$	$\frac{231140601}{268960}$	$-\frac{2187}{20}$	$-\frac{25804413}{13448}$
142	-1	2	15	0	-8	4	$-\frac{108647}{480}$	$\frac{94777}{240}$	$-\frac{10781}{32}$	$-\frac{353089}{240}$	$\frac{1681}{10}$	$\frac{10375}{4}$
143	0	0	-4	-3	6	13	$\frac{83076269}{25820160}$	$-\frac{211185017}{38730240}$	$\frac{70846135}{15492096}$	$\frac{266311723}{12910080}$	$-\frac{747}{320}$	$-\frac{7582781}{215168}$
144	0	0	-4	3	18	-5	$\frac{7}{2}$	0	$-\frac{7}{2}$	-4	0	48
145	0	0	-4	9	6	1	$-\frac{356833}{209920}$	$-\frac{8887177}{4303360}$	$\frac{7790247}{1721344}$	$\frac{2282769}{4303360}$	$-\frac{243}{320}$	$-\frac{6384501}{215168}$
146	0	0	4	-3	6	5	$-\frac{20288869}{403440}$	$\frac{53164777}{605160}$	$-\frac{18159263}{242064}$	$-\frac{65558723}{201720}$	$\frac{187}{5}$	$\frac{1922173}{3362}$
147	0	0	4	3	-6	11	$\frac{109767}{5120}$	$-\frac{94777}{2560}$	$\frac{32119}{1024}$	$\frac{351809}{2560}$	$-\frac{5043}{320}$	$-\frac{30693}{128}$
148	0	0	4	9	6	-7	$\frac{9119867}{67240}$	$-\frac{7674377}{33620}$	$\frac{2554875}{13448}$,	$\frac{28607229}{33620}$	$-\frac{486}{5}$	$-\frac{2427489}{1681}$
149	0	0	12	3	-6	3	$-\frac{108647}{320}$	$\frac{94777}{160}$	$-\frac{32343}{64}$	$-\frac{352449}{160}$	$\frac{5043}{20}$	$\frac{31077}{8}$
150	0	1	-20	-2	47	-14	$\frac{24640127}{605160}$	$-\frac{16557037}{302580}$	$\frac{1540133}{40344}$	$\frac{69336229}{302580}$	$-\frac{362}{15}$	$-\frac{502553}{1681}$
151	0	1	-12	-2	23	2	$\frac{11705957}{4841280}$	$-\frac{8322067}{2420640}$	$\frac{819511}{322752}$	$\frac{35857219}{2420640}$	$-\frac{91}{60}$	$-\frac{288851}{13448}$
152	0	1	-12	4	35	-16	$\frac{6094067}{67240}$	$-\frac{7808857}{33620}$	$\frac{3213827}{13448}$	$\frac{25682289}{33620}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
153	0	1	-4	-2	-1	18	$-\frac{160434013}{154920960}$	$\frac{142676003}{77460480}$	$-\frac{5467717}{3442688}$	$-\frac{519004091}{77460480}$	$\frac{1499}{1920}$	$\frac{5159551}{430336}$
154	0	1	-4	-2	23	-6	$\frac{1228213}{605160}$	$\frac{87097}{302580}$	$-\frac{32963}{13448}$	$-\frac{2378209}{302580}$	$\frac{2}{15}$	$\frac{75149}{1681}$
155	0	1	-4	4	11	0	$-\frac{11}{4}$	$-\frac{1}{4}$	3	-6	0	-18
156	0	1	4	-2	-1	10	$\frac{109367}{5760}$	$-\frac{94777}{2880}$	$\frac{10733}{384}$	$\frac{351409}{2880}$	$-\frac{1681}{120}$	$-\frac{3413}{16}$
157	0	1	4	4	11	-8	$\frac{9052627}{67240}$	$-\frac{7674377}{33620}$	$\frac{2568323}{13448}$	$\frac{28909809}{33620}$	$-\frac{486}{5}$	$-\frac{2488005}{1681}$
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	$-\frac{91308857}{302580}$	$\frac{79703617}{151290}$	$-\frac{9070531}{20172}$	$-\frac{296548369}{151290}$	$\frac{3364}{15}$	$\frac{5812402}{1681}$
160	1	-1	-15	7	37	-17	$\frac{5902935}{53792}$	$-\frac{7863145}{26896}$	$\frac{16315299}{53792}$	$\frac{23100273}{26896}$	$-\frac{243}{2}$	$-\frac{13915881}{6724}$
161	1	-1	-7	-5	13	11	$\frac{165181769}{38730240}$	$-\frac{46592573}{6455040}$	$\frac{46906777}{7746048}$	$\frac{532113583}{19365120}$	$-\frac{1487}{480}$	$-\frac{5027219}{107584}$
162	1	-1	-7	1	25	-7	6	0	-6	0	0	64
163	1	-1	-7	7	13	-1	$-\frac{166593}{104960}$	$-\frac{8618217}{2151680}$	$\frac{6122695}{860672}$	$\frac{9544689}{2151680}$	$-\frac{243}{160}$	$-\frac{4932117}{107584}$
164	1	-1	1	1	1	9	$\frac{110087}{3840}$	$-\frac{94777}{1920}$	$\frac{10685}{256}$	$\frac{352129}{1920}$	$-\frac{1681}{80}$	$-\frac{10223}{32}$
165	1	-1	1	7	13	-9	$\frac{9086247}{67240}$	$-\frac{7674377}{33620}$	$\frac{2548151}{13448}$	$\frac{26489169}{33620}$	$-\frac{486}{5}$	$-\frac{2245941}{1681}$
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	$-\frac{108647}{240}$	$\frac{94777}{120}$	$-\frac{10781}{16}$	$-\frac{352129}{120}$	$\frac{1681}{5}$	$\frac{10351}{2}$
168	1	0	-15	-4	30	0	$\frac{48466513}{9682560}$	$-\frac{31644943}{4841280}$	$\frac{8767585}{1936512}$	$\frac{150902951}{4841280}$	$-\frac{359}{120}$	$-\frac{1090459}{26896}$
169	1	0	-15	2	42	-18	$\frac{4648407}{67240}$	$-\frac{7943337}{33620}$	$\frac{3543303}{13448}$	$\frac{21378929}{33620}$	$-\frac{486}{5}$	$-\frac{2972133}{1681}$
170	1	0	-7	-4	6	16	$-\frac{197563699}{154920960}$	$\frac{180317389}{77460480}$	$-\frac{62948515}{30984192}$	$-\frac{636141173}{77460480}$	$\frac{1877}{1920}$	$\frac{6534961}{430336}$
171	1	0	-7	2	18	-2	-4	$-\frac{1}{2}$	$\frac{9}{2}$	-10	0	-24
172	1	0	1	-4	6	8	$\frac{61507553}{2420640}$	$-\frac{52990583}{1210320}$	$\frac{17929025}{484128}$	$\frac{196761031}{1210320}$	$-\frac{559}{30}$	$-\frac{1906355}{6724}$
173	1	0	1	2	-6	14	$-\frac{111207}{10240}$	$\frac{94617}{5120}$	$-\frac{31767}{2048}$	$-\frac{354209}{5120}$	$\frac{5043}{640}$	$\frac{30549}{256}$
174	1	0	1	2	18	-10	$\frac{8951767}{67240}$	$-\frac{7674377}{33620}$	$\frac{2575047}{13448}$	$\frac{26758129}{33620}$	$\frac{486}{5}$	$-\frac{2326629}{1681}$
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	$\frac{108647}{640}$	$-\frac{94777}{320}$	$\frac{32343}{128}$	$\frac{351009}{320}$	$-\frac{5043}{40}$	$-\frac{30933}{16}$
177	1	0	17	2	-6	-2	$-\frac{4342096}{1681}$	$\frac{7582288}{1681}$	$-\frac{6474192}{1681}$	$-\frac{28164400}{1681}$	1920	$\frac{49671744}{1681}$
178	2	-2	-18	5	44	-19	$\frac{17326541}{134480}$	$-\frac{23698011}{67240}$	$\frac{9887645}{26896}$	$\frac{64136787}{67240}$	$-\frac{729}{5}$	$-\frac{7971615}{3362}$
179	2	-2	-10	-1	32	-9	$\frac{6033707}{605160}$	$-\frac{87097}{302580}$	$-\frac{128413}{13448}$	$\frac{2378209}{302580}$	$-\frac{2}{15}$	$\frac{140019}{1681}$
180	2	-2	-10	5	20	-3	$-\frac{22273}{52480}$	$-\frac{8349257}{1075840}$	$\frac{4831687}{430336}$	$\frac{15999729}{1075840}$	$-\frac{243}{80}$	$-\frac{3963861}{53792}$

181	2	−2	−2	−1	8	7	$\frac{110447}{2880}$	$-\frac{94777}{1440}$	$\frac{10661}{192}$	$\frac{352489}{1440}$	$-\frac{1681}{60}$	$-\frac{3405}{8}$
182	2	−2	−2	5	−4	13	$-\frac{6699487}{419840}$	$\frac{234805577}{8606720}$	$-\frac{79083239}{3442688}$	$-\frac{877069329}{8606720}$	$\frac{7443}{640}$	$\frac{75894597}{430336}$
183	2	−2	−2	5	20	−11	$\frac{9119867}{67240}$	$-\frac{7674377}{33620}$	$\frac{2527979}{13448}$	$\frac{24068529}{33620}$	$-\frac{486}{5}$	$-\frac{2003877}{1681}$
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	$-\frac{365289107}{605160}$	$\frac{318553177}{302580}$	$-\frac{36227521}{40344}$	$-\frac{1182689809}{302580}$	$\frac{6722}{15}$	$\frac{11587629}{1681}$
186	2	−2	6	5	−4	5	$\frac{326261}{1280}$	$-\frac{284331}{640}$	$\frac{96965}{256}$	$\frac{1053027}{640}$	$-\frac{15129}{80}$	$-\frac{92655}{32}$
187	2	−2	14	5	−4	−3	$-\frac{530205007}{134480}$	$\frac{462611657}{67240}$	$-\frac{157942207}{26896}$	$-\frac{1722001329}{67240}$	$\frac{14643}{5}$	$\frac{151745301}{3362}$
188	2	−1	−18	0	49	−20	$\frac{2195867}{50430}$	$-\frac{6180997}{25215}$	$\frac{999641}{3362}$	$\frac{11787469}{25215}$	$-\frac{488}{5}$	$-\frac{2982412}{1681}$
189	2	−1	−10	−6	13	14	$-\frac{1617069}{1075840}$	$\frac{1554819}{537920}$	$-\frac{555293}{215168}$	$-\frac{5150683}{537920}$	$\frac{143}{120}$	$\frac{507913}{26896}$
190	2	−1	−10	0	25	−4	$-\frac{11}{2}$	−1	$\frac{13}{2}$	−16	0	−32
191	2	−1	−2	0	1	12	$-\frac{111287}{7680}$	$\frac{94537}{3840}$	$-\frac{10573}{512}$	$-\frac{354769}{3840}$	$\frac{1681}{160}$	$\frac{10175}{64}$
192	2	−1	−2	0	25	−12	$\frac{6633707}{50430}$	$-\frac{5777557}{25215}$	$\frac{649993}{3362}$	$\frac{18242509}{25215}$	$-\frac{488}{5}$	$-\frac{2121740}{1681}$
193	2	−1	−2	6	13	−6	−7	0	8	72	0	−216
194	2	−1	−2	12	1	0	$\frac{786513}{104960}$	$\frac{9290617}{2151680}$	$-\frac{11474999}{860672}$	$-\frac{5913729}{2151680}$	$\frac{243}{160}$	$\frac{11830941}{107584}$
195	2	−1	6	0	1	4	$\frac{108647}{480}$	$-\frac{94777}{240}$	$\frac{10781}{32}$	$\frac{350929}{240}$	$-\frac{1681}{10}$	$-\frac{10303}{4}$
196	2	−1	14	0	1	−4	$-\frac{5866730}{1681}$	$\frac{10236172}{1681}$	$-\frac{8736434}{1681}$	$-\frac{38111276}{1681}$	2592	$\frac{67155632}{1681}$
197	3	−3	−21	3	51	−21	$\frac{6339067}{33620}$	$-\frac{7877337}{16810}$	$\frac{3172171}{6724}$	$\frac{21378929}{16810}$	$-\frac{972}{5}$	$-\frac{4999482}{1681}$
198	3	−3	−13	3	27	−5	$\frac{82687}{26240}$	$-\frac{8080297}{537920}$	$\frac{3863431}{215168}$	$\frac{21378929}{537920}$	$-\frac{243}{40}$	$-\frac{3318357}{26896}$
199	3	−3	−5	−3	15	5	$\frac{20692309}{403440}$	$-\frac{53164777}{605160}$	$\frac{17917199}{242064}$	$\frac{65962163}{201720}$	$-\frac{187}{5}$	$-\frac{1908725}{3362}$
200	3	−3	−5	3	3	11	$-\frac{8839487}{419840}$	$\frac{310559977}{8606720}$	$-\frac{104766151}{3442688}$	$-\frac{1158713329}{8606720}$	$\frac{9843}{640}$	$\frac{100436325}{430336}$
201	3	−3	−5	3	27	−13	$\frac{9287967}{67240}$	$-\frac{7674377}{33620}$	$\frac{2480911}{13448}$	$\frac{21378929}{33620}$	$-\frac{486}{5}$	$-\frac{1681125}{1681}$
202	3	−3	−5	9	15	−7	−20	−1	22	54	0	−324
203	3	−3	3	3	3	3	$\frac{108807}{320}$	$-\frac{94777}{160}$	$\frac{32311}{64}$	$\frac{351009}{160}$	$-\frac{5043}{20}$	$-\frac{30861}{8}$
204	3	−3	11	3	3	−5	$-\frac{356521167}{67240}$	$\frac{310965897}{33620}$	$-\frac{106148671}{13448}$	$-\frac{1158713329}{33620}$	$\frac{19686}{5}$	$\frac{102073557}{1681}$
205	3	−2	−13	−2	32	−6	$-\frac{4254013}{605160}$	$-\frac{692257}{302580}$	$\frac{127099}{13448}$	$-\frac{7304351}{302580}$	$-\frac{2}{15}$	$-\frac{75149}{1681}$
206	3	−2	−5	−2	8	10	$-\frac{111167}{5760}$	$\frac{94417}{2880}$	$-\frac{10565}{384}$	$-\frac{355369}{2880}$	$\frac{1681}{120}$	$\frac{3389}{16}$
207	3	−2	−5	4	20	−8	$-\frac{27}{2}$	0	$\frac{29}{2}$	72	0	−288
208	3	−2	−5	10	8	−2	$\frac{510993}{52480}$	$\frac{9021657}{1075840}$	$-\frac{9108151}{430336}$	$-\frac{5913729}{1075840}$	$\frac{243}{80}$	$\frac{8563077}{53792}$
209	3	−2	3	−2	8	2	$\frac{91308857}{302580}$	$-\frac{79703617}{151290}$	$\frac{9070531}{20172}$	$\frac{295035469}{151290}$	$-\frac{3364}{15}$	$-\frac{5772058}{1681}$
210	3	−2	3	4	−4	8	$-\frac{328341}{2560}$	$\frac{284331}{1280}$	$-\frac{96549}{512}$	$-\frac{1054467}{1280}$	$\frac{15129}{160}$	$\frac{92223}{64}$
211	3	−2	11	4	−4	0	$\frac{326181}{160}$	$-\frac{284331}{80}$	$\frac{97013}{32}$	$\frac{1060227}{80}$	$-\frac{15129}{10}$	$-\frac{93375}{4}$
212	4	−4	−24	1	58	−23	$\frac{8410667}{25215}$	$-\frac{17451014}{25215}$	$\frac{1086265}{1681}$	$\frac{52349318}{25215}$	$-\frac{1456}{5}$	$-\frac{7016552}{1681}$
213	4	−4	−16	1	34	−7	$\frac{154847}{13120}$	$-\frac{7811337}{268960}$	$\frac{3164135}{107584}$	$\frac{25682289}{268960}$	$-\frac{243}{20}$	$-\frac{2888021}{13448}$
214	4	−4	−8	1	10	9	$-\frac{17392927}{629760}$	$\frac{613846537}{12910080}$	$-\frac{69219725}{1721344}$	$-\frac{2283406609}{12910080}$	$\frac{6481}{320}$	$\frac{66227975}{215168}$
215	4	−4	−8	1	34	−15	$\frac{14596487}{100860}$	$-\frac{11468017}{50430}$	$\frac{1180925}{6724}$	$\frac{27651769}{50430}$	$-\frac{484}{5}$	$-\frac{1240510}{1681}$
216	4	−4	−8	7	22	−9	−33	−2	36	36	0	−432
217	4	−4	0	1	10	1	$\frac{108887}{240}$	$-\frac{94777}{120}$	$\frac{10765}{16}$	$\frac{351049}{120}$	$-\frac{1681}{5}$	$-\frac{10279}{2}$
218	4	−4	0	7	−2	7	$-\frac{988863}{5120}$	$\frac{852673}{2560}$	$-\frac{288751}{1024}$	$-\frac{3169161}{2560}$	$\frac{45387}{320}$	$\frac{276237}{128}$
219	4	−4	8	1	10	−7	$-\frac{239186567}{33620}$	$\frac{208604177}{16810}$	$-\frac{71202935}{6724}$	$-\frac{777600569}{16810}$	$\frac{26412}{5}$	$\frac{136991482}{1681}$
220	4	−4	8	7	−2	−1	$\frac{978303}{320}$	$-\frac{852993}{160}$	$\frac{291055}{64}$	$\frac{3174921}{160}$	$-\frac{45387}{20}$	$-\frac{279693}{8}$
221	4	−3	−8	−4	15	8	$-\frac{62112713}{2420640}$	$\frac{52688003}{1210320}$	$-\frac{17686961}{484128}$	$-\frac{199181671}{1210320}$	$\frac{559}{30}$	$\frac{1892907}{6724}$
222	4	−3	−8	2	27	−10	$-\frac{49}{2}$	0	$\frac{51}{2}$	64	0	−384
223	4	−3	−8	8	15	−4	$\frac{291233}{26240}$	$\frac{8752697}{537920}$	$-\frac{7198535}{215168}$	$-\frac{9544689}{537920}$	$\frac{243}{40}$	$\frac{6384501}{26896}$
224	4	−3	0	2	3	6	$-\frac{109687}{640}$	$\frac{94777}{320}$	$-\frac{32135}{128}$	$-\frac{351729}{320}$	$\frac{5043}{40}$	$\frac{30717}{16}$
225	4	−3	0	14	3	−6	$\frac{2744343}{16810}$	$-\frac{7640757}{33620}$	$\frac{1058067}{6724}$	$\frac{10105317}{16810}$	$-\frac{486}{5}$	$-\frac{2267919}{3362}$
226	4	−3	8	2	3	−2	$\frac{108707}{40}$	$-\frac{94777}{20}$	$\frac{32339}{8}$	$\frac{353009}{20}$	$-\frac{10086}{5}$	−31101
227	5	−5	−19	−1	41	−9	$\frac{14830919}{484128}$	$-\frac{13506601}{242064}$	$\frac{2655739}{53792}$	$\frac{52071601}{242064}$	$-\frac{145}{6}$	$-\frac{2587425}{6724}$
228	5	−5	−11	−1	17	7	$-\frac{33947393}{944640}$	$\frac{1206679703}{19365120}$	$-\frac{136620115}{2582016}$	$-\frac{4460718671}{19365120}$	$\frac{12719}{480}$	$\frac{43440339}{107584}$
229	5	−5	−11	5	29	−11	$-\frac{105}{2}$	−4	$\frac{115}{2}$	0	0	−576
230	5	−5	−3	−1	17	−1	$\frac{366499427}{605160}$	$-\frac{318553177}{302580}$	$\frac{36146833}{40344}$	$\frac{1180269169}{302580}$	$-\frac{6722}{15}$	$-\frac{11506941}{1681}$
231	5	−5	−3	5	5	5	$-\frac{330261}{1280}$	$\frac{284171}{640}$	$-\frac{96101}{256}$	$-\frac{1057347}{640}$	$\frac{15129}{80}$	$\frac{92007}{32}$
232	5	−5	−3	17	5	−7	$\frac{42948693}{215168}$	$-\frac{22565403}{107584}$	$\frac{20742489}{215168}$	$\frac{56955555}{107584}$	$-\frac{729}{8}$	$-\frac{1410615}{26896}$
233	5	−5	5	5	5	−3	$\frac{326061}{80}$	$-\frac{284331}{40}$	$\frac{97021}{16}$	$\frac{1057347}{40}$	$-\frac{15129}{5}$	$-\frac{93159}{2}$
234	5	−4	−11	0	34	−12	$-\frac{8555207}{201720}$	$\frac{87097}{100860}$	$\frac{566787}{13448}$	$\frac{4076831}{100860}$	$\frac{2}{5}$	$-\frac{850393}{1681}$
235	5	−4	−11	6	22	−6	$\frac{120673}{13120}$	$\frac{8483737}{268960}$	$-\frac{5692359}{107584}$	$-\frac{14385969}{268960}$	$\frac{243}{20}$	$\frac{4932117}{13448}$
236	5	−4	−3	0	10	4	$-\frac{109967}{480}$	$\frac{94777}{240}$	$-\frac{10693}{32}$	$-\frac{352009}{240}$	$\frac{1681}{10}$	$\frac{10231}{4}$
237	5	−4	−3	6	−2	10	$\frac{40358329}{419840}$	$-\frac{1416913759}{8606720}$	$\frac{477717361}{3442688}$	$\frac{5286484503}{8606720}$	$-\frac{44901}{640}$	$-\frac{458121123}{430336}$
238	5	−4	−3	12	10	−8	$\frac{12465057}{67240}$	$-\frac{7607137}{33620}$	$\frac{1791701}{13448}$	$\frac{18168219}{33620}$	$-\frac{486}{5}$	$-\frac{521235}{1681}$
239	5	−4	5	0	10	−4	$\frac{243620967}{67240}$	$-\frac{212397817}{33620}$	$\frac{72466519}{13448}$	$\frac{790328449}{33620}$	$-\frac{13446}{5}$	$-\frac{69643637}{1681}$
240	5	−4	5	6	−2	2	$-\frac{978463}{640}$	$\frac{852993}{320}$	$, -\frac{290959}{128}$	$-\frac{3161961}{320}$	$\frac{45387}{40}$	$\frac{278397}{16}$

241	6	−6	−14	−3	24	5	$-\frac{298313803}{6455040}$	$\frac{785175679}{9682560}$	$-\frac{268364657}{3873024}$	$-\frac{955755101}{3227520}$	$\frac{2749}{80}$	$\frac{28297083}{53792}$
242	6	−6	−14	3	36	−13	$-\frac{161}{2}$	-8	$\frac{179}{2}$	-64	0	-768
243	6	−6	−6	3	12	3	$-\frac{110287}{320}$	$\frac{94697}{160}$	$-\frac{31983}{64}$	$-\frac{352809}{160}$	$\frac{5043}{20}$	$\frac{30645}{8}$
244	6	−6	−6	15	12	−9	$\frac{126924489}{537920}$	$-\frac{1260999}{6560}$	$\frac{3813417}{107584}$	$\frac{123092703}{268960}$	$-\frac{1701}{20}$	$\frac{7661061}{13448}$
245	6	−6	2	3	12	−5	$\frac{108677}{20}$	$-\frac{94777}{10}$	$\frac{32341}{4}$	$\frac{352169}{10}$	$-\frac{20172}{5}$	-62058
246	6	−6	2	9	0	1	$-\frac{2939869}{1280}$	$\frac{2558979}{640}$	$-\frac{871981}{256}$	$-\frac{9485883}{640}$	$\frac{136161}{80}$	$\frac{833895}{32}$
247	6	−5	−14	4	29	−8	$-\frac{7247}{6560}$	$\frac{8214777}{134480}$	$-\frac{4535831}{53792}$	$-\frac{19227249}{134480}$	$\frac{243}{10}$	$\frac{3963861}{6724}$
248	6	−5	−6	−2	17	2	$-\frac{92670467}{302580}$	$\frac{79703617}{151290}$	$-\frac{8979757}{20172}$	$-\frac{296245789}{151290}$	$\frac{3364}{15}$	$\frac{5731714}{1681}$
249	6	−5	−6	4	5	8	$\frac{6684727}{52480}$	$-\frac{234872817}{1075840}$	$\frac{79231167}{430336}$	$\frac{876060729}{1075840}$	$-\frac{7443}{80}$	$-\frac{75955113}{53792}$
250	6	−5	−6	10	17	−10	$\frac{14936127}{67240}$	$-\frac{7539897}{33620}$	$\frac{1257143}{13448}$	$\frac{16806609}{33620}$	$-\frac{486}{5}$	$\frac{295731}{1681}$
251	6	−5	2	4	5	0	$-\frac{326261}{160}$	$\frac{284331}{80}$	$-\frac{96965}{32}$	$-\frac{1053747}{80}$	$\frac{15129}{10}$	$\frac{92727}{4}$
252	7	−7	−17	1	43	−15	$-\frac{23921713}{201720}$	$-\frac{1700857}{100860}$	$\frac{1840405}{13448}$	$-\frac{16986911}{100860}$	$-\frac{2}{5}$	$-\frac{1731623}{1681}$
253	7	−7	−9	1	19	1	$-\frac{110447}{240}$	$\frac{94657}{120}$	$-\frac{10645}{16}$	$-\frac{353209}{120}$	$\frac{1681}{5}$	$\frac{10207}{2}$
254	7	−7	−9	13	19	−11	$\frac{77064261}{268960}$	$-\frac{21272411}{134480}$	$-\frac{3353387}{53792}$	$\frac{50419827}{134480}$	$-\frac{729}{10}$	$\frac{9746001}{6724}$
255	7	−7	−1	1	19	−7	$\frac{487123181}{67240}$	$-\frac{424882731}{33620}$	$\frac{144994365}{13448}$	$\frac{1577655907}{33620}$	$-\frac{26898}{5}$	$-\frac{138995359}{1681}$
256	7	−7	−1	7	7	−1	$-\frac{980703}{320}$	$\frac{852993}{160}$	$-\frac{290511}{64}$	$-\frac{3161961}{160}$	$\frac{45387}{20}$	$\frac{277749}{8}$
257	7	−6	−17	2	36	−10	$-\frac{99087}{3280}$	$\frac{7945817}{67240}$	$-\frac{3675159}{26896}$	$-\frac{23530609}{67240}$	$\frac{243}{5}$	$\frac{3318357}{3362}$
258	7	−6	−9	2	12	6	$\frac{8823087}{52480}$	$-\frac{310694457}{1075840}$	$\frac{104954423}{430336}$	$\frac{1157234049}{1075840}$	$-\frac{9843}{80}$	$-\frac{100517013}{53792}$
259	7	−6	−9	8	24	−12	$\frac{18903287}{67240}$	$-\frac{7405417}{33620}$	$\frac{396471}{13448}$	$\frac{16806609}{33620}$	$-\frac{486}{5}$	$\frac{1385019}{1681}$
260	7	−6	−1	2	12	−2	$-\frac{108807}{40}$	$\frac{94777}{20}$	$-\frac{32311}{8}$	$-\frac{351209}{20}$	$\frac{10086}{5}$	30885
261	7	−6	−1	8	0	4	$\frac{2958589}{2560}$	$-\frac{2558339}{1280}$	$\frac{867981}{512}$	$\frac{9498843}{1280}$	$-\frac{136161}{160}$	$-\frac{830007}{64}$
262	7	−6	7	8	0	−4	$-\frac{4897774961}{268960}$	$\frac{4270946191}{134480}$	$-\frac{1457490177}{53792}$	$-\frac{15900328647}{134480}$	$\frac{135189}{10}$	$\frac{1400781843}{6724}$
263	8	−8	−12	−1	26	−1	$-\frac{371643287}{605160}$	$\frac{317948017}{302580}$	$-\frac{35723221}{40344}$	$-\frac{1188741409}{302580}$	$\frac{6722}{15}$	$\frac{11426253}{1681}$
264	8	−8	−12	11	26	−13	$\frac{47192007}{134480}$	$-\frac{6192617}{67240}$	$-\frac{5867673}{26896}$	$\frac{16806609}{67240}$	$-\frac{243}{5}$	$\frac{9154539}{3362}$
265	8	−8	−4	5	14	−3	$-\frac{327221}{80}$	$\frac{284331}{40}$	$-\frac{96773}{16}$	$-\frac{1054107}{40}$	$\frac{15129}{5}$	$\frac{92511}{2}$
266	8	−8	−4	11	2	3	$\frac{363864339}{209920}$	$-\frac{12868306549}{4303360}$	$\frac{4358977275}{1721344}$	$\frac{47835438813}{4303360}$	$-\frac{407511}{320}$	$-\frac{4171080177}{215168}$
267	8	−8	4	11	2	−5	$-\frac{14729669871}{537920}$	$\frac{12843536081}{268960}$	$-\frac{4382447967}{107584}$	$-\frac{47768212377}{268960}$	$\frac{406539}{20}$	$\frac{4207698333}{13448}$
268	8	−7	−20	0	43	−12	$-\frac{9935477}{100860}$	$\frac{11471737}{50430}$	$-\frac{1519175}{6724}$	$-\frac{40561849}{50430}$	$\frac{484}{5}$	$\frac{2877742}{1681}$
269	8	−7	−12	0	19	4	$\frac{17373247}{78720}$	$-\frac{614249977}{1613760}$	$\frac{69327309}{215168}$	$\frac{2280179089}{1613760}$	$-\frac{6481}{40}$	$-\frac{66281767}{26896}$
270	8	−7	−12	6	31	−14	$\frac{25055747}{67240}$	$-\frac{7136457}{33620}$	$-\frac{955053}{13448}$	$\frac{19227249}{33620}$	$-\frac{486}{5}$	$\frac{2837403}{1681}$
271	8	−7	−4	0	19	−4	$-\frac{244058027}{67240}$	$\frac{212397817}{33620}$	$-\frac{72365659}{13448}$	$-\frac{787100929}{33620}$	$\frac{13446}{5}$	$\frac{69159509}{1681}$
272	8	−7	−4	6	7	2	$\frac{987823}{640}$	$-\frac{852673}{320}$	$\frac{288959}{128}$	$\frac{3168441}{320}$	$-\frac{45387}{40}$	$-\frac{276453}{16}$
273	8	−7	4	6	7	−6	$-\frac{408868679}{16810}$	$\frac{356551714}{8405}$	$-\frac{121673783}{3362}$	$-\frac{1326730518}{8405}$	$\frac{90288}{5}$	$\frac{467554896}{1681}$
274	9	−9	−15	9	33	−15	$\frac{60640}{1681}$	$-\frac{19098}{41}$	0	0	$\frac{7769520}{1681}$	246
275	9	−9	−7	3	21	−5	$-\frac{109207}{20}$	$\frac{94777}{10}$	$-\frac{32231}{4}$	$-\frac{351449}{10}$	$\frac{20172}{5}$	61626
276	9	−9	−7	9	9	1	$\frac{24256219}{10496}$	$-\frac{856773869}{215168}$	$\frac{1449950607}{430336}$	$\frac{3186788373}{215168}$	$-\frac{27135}{16}$	$-\frac{1387919205}{53792}$
277	9	−9	1	9	9	−7	$-\frac{983189491}{26896}$	$\frac{857258989}{13448}$	$-\frac{1462478895}{26896}$	$-\frac{3186788373}{13448}$	27135	$\frac{1403458245}{3362}$
278	9	−8	−15	−2	26	2	$\frac{1391699969}{4841280}$	$-\frac{1208586799}{2420640}$	$\frac{136927099}{322752}$	$\frac{4455537943}{2420640}$	$-\frac{12727}{60}$	$-\frac{43503611}{13448}$
279	9	−8	−15	4	38	−16	$\frac{34234007}{67240}$	$-\frac{6598537}{33620}$	$-\frac{3019321}{13448}$	$\frac{25682289}{33620}$	$-\frac{486}{5}$	$\frac{4773915}{1681}$
280	9	−8	−7	4	14	0	$\frac{329821}{160}$	$-\frac{284171}{80}$	$\frac{96189}{32}$	$\frac{1056987}{80}$	$-\frac{15129}{10}$	$-\frac{92079}{4}$
281	9	−8	1	4	14	−8	$-\frac{2183482397}{67240}$	$\frac{1904167267}{33620}$	$-\frac{649794157}{13448}$	$-\frac{7081498299}{33620}$	$\frac{120546}{5}$	$\frac{623913111}{1681}$
282	9	−8	1	10	2	−2	$\frac{8814807}{640}$	$-\frac{7676937}{320}$	$\frac{2617031}{128}$	$\frac{28483569}{320}$	$-\frac{408483}{40}$	$-\frac{2505573}{16}$
283	10	−10	−18	7	40	−17	$\frac{31521693}{67240}$	$\frac{9562057}{33620}$	$-\frac{11573235}{13448}$	$-\frac{19227249}{33620}$	$\frac{486}{5}$	$\frac{12701637}{1681}$
284	10	−10	−10	1	28	−7	$-\frac{490249841}{67240}$	$\frac{424882731}{33620}$	$-\frac{144355585}{13448}$	$-\frac{1576042147}{33620}$	$\frac{26898}{5}$	$\frac{138027103}{1681}$
285	10	−10	−10	7	16	−1	$\frac{1262193}{410}$	$-\frac{178157877}{33620}$	$\frac{30131579}{6724}$	$\frac{331493517}{16810}$	$-\frac{11286}{5}$	$-\frac{57700107}{1681}$
286	10	−10	−2	7	16	−9	$-\frac{3280472739}{67240}$	$\frac{2860088089}{33620}$	$-\frac{975783763}{13448}$	$-\frac{10627019793}{33620}$	$\frac{181062}{5}$	$\frac{935903349}{1681}$
287	10	−10	−2	13	4	−3	$\frac{26486661}{1280}$	$-\frac{23029531}{640}$	$\frac{7842005}{256}$	$\frac{85450707}{640}$	$-\frac{1225449}{80}$	$-\frac{7505055}{32}$
288	10	−9	−18	2	45	−18	$\frac{1183252}{1681}$	$-\frac{271780}{1681}$	$-\frac{766668}{1681}$	$\frac{1918292}{1681}$	-96	$\frac{7386768}{1681}$
289	10	−9	−10	2	21	−2	$\frac{110107}{40}$	$-\frac{94697}{20}$	$\frac{32019}{8}$	$\frac{352649}{20}$	$-\frac{10086}{5}$	-30669
290	10	−9	−2	2	21	−10	$-\frac{364263474}{8405}$	$\frac{635383728}{8405}$	$-\frac{108414546}{1681}$	$-\frac{2361620416}{8405}$	$\frac{160896}{5}$	$\frac{832260192}{1681}$
291	10	−9	−2	8	9	−4	$\frac{2939789}{160}$	$-\frac{2558979}{80}$	$\frac{872029}{32}$	$\frac{9492363}{80}$	$-\frac{136161}{10}$	$-\frac{834543}{4}$
292	11	−11	−21	5	47	−19	$\frac{28809379}{67240}$	$\frac{25722651}{33620}$	$-\frac{20127149}{13448}$	$-\frac{64136787}{33620}$	$\frac{1458}{5}$	$\frac{20629359}{1681}$
293	11	−11	−13	5	23	−3	$\frac{5373503}{1312}$	$-\frac{189514313}{26896}$	$\frac{320411555}{53792}$	$\frac{705420225}{26896}$	$-\frac{6003}{2}$	$-\frac{306816057}{6724}$
294	11	−11	−5	5	23	−11	$-\frac{4377463081}{67240}$	$\frac{3816008911}{33620}$	$-\frac{1301773369}{13448}$	$-\frac{14172541287}{33620}$	$\frac{241578}{5}$	$\frac{1247893587}{1681}$
295	11	−11	−5	11	11	−5	$\frac{8835927}{320}$	$-\frac{7676297}{160}$	$\frac{2612487}{64}$	$\frac{28483569}{160}$	$-\frac{408483}{20}$	$-\frac{2499741}{8}$
296	11	−10	−13	0	28	−4	$\frac{247083827}{67240}$	$-\frac{212128857}{33620}$	$\frac{71652915}{13448}$	$\frac{791135329}{33620}$	$-\frac{13446}{5}$	$-\frac{68675381}{1681}$
297	11	−10	−5	6	16	−6	$\frac{980603}{40}$	$-\frac{852993}{20}$	$\frac{290539}{8}$	$\frac{3163761}{20}$	$-\frac{90774}{5}$	-277965

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	$-\frac{35\,223\,417\,319}{33\,620}$	$\frac{30\,452\,171\,649}{16\,810}$	$-\frac{10\,330\,928\,599}{6724}$	$-\frac{113\,155\,915\,593}{16\,810}$	$\frac{3857\,004}{5}$	$\frac{19\,775\,683\,674}{1681}$

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