Single equations satisfied by one variable of Dynamical Systems

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Introduction.

In this note we calculate a single equation satisfied by one variable of some dynamical systems.

For example, the variable x of the Lorenz system

$$\begin{cases} x' &= -ax + ay, \\ y' &= (-z+b)x - y, \\ z' &= yx - cz \end{cases}$$

with parameters a, b and c sastisfies a single equation

$$xx''' - x'x'' + (a+c+1)xx'' - (a+1)(x')^2 + x(x^2+ac+c)x' + ax^2(x^2-bc+c) = 0.$$

The relation

$$x'' + (a+1)x' + a(z-b+1)x = 0$$

and $x(t)$ give $z(t)$ and the relation

$$x'' + a((z-a-b)x + (a+1)y) = 0$$

give x'' from x and y. This result is given in **Lorenz system**.

Here and hearafter the symbols $x_1, x_2, \dots, y_1, y_2, \dots$ mean $x', x'', \dots, y', y'', \dots$, respectively.

In this note we study the follwing 23 dynamical systems which are informed to me by Naoto Nakano (cf. [3]).

Dynamical system	variables	one variable		[1]
Lorenz system	x, y, z	x, y, z	C	P
Rössler system	x, y, z	$x, y, z, x+my, y+mz, z+mx$	C	C
Hyperchaotic Rössler system	x, y, z, w	x, y, z, w	C	C
Lorenz 96 system	x, y, z, w		N	N
Modified Chua's circuit	x, y, z	x, y, z	C	C
Chen-Lee system	x, y, z	x, y, z	C	P
Rabinovich-Fabrikant equations	x, y, z	x, z, y[2]	P, C	N
Chen system	x, y, z	x, y, z	C	P
Lu system	x, y, z	x, y, z	C	P
T system	x, y, z	x, y, z	C	P
4-dimensionaTl Qi-Chen-Du-Chen-Yuan system	x, y, z, w		N	N
Qi-Chen-Du-Chen-Yuan system	x, y, z	x, y, z	C	N
Generalized Lorenz canonical form	x, y, z, w		N	N
Two-parameter model for the blue-sky catastroph	x, y, z		N	N
4-dimensional Lorenz-Stenflo system	x, y, z, w	x, w	P	P
Genesio-Tesi system	x, y, z	x, y, z	C	P
Arneodo-Coullet-Tresser system	x, y, z	x, y, z	C	P
Hyperchaotic Chen system	x, y, z, w	x, w	P	P
Hyperchaotic Lü system	x, y, z, w	x	P	N
Modified hyperchaotic Lü system	x, y, z, w		N	N
Hyperchaotic Wang-Liu system	x, y, z, w	x, z, w	P	P
Hyperchaotic Jia system	x, y, z, w	x	P	P
Hyperchaotic Qi-van Wyk-van Wyk-Chen system	x, y, z, w		N	N

C:Complete P:Partial N:No

The result in this note is obtained by the computer algebra `Risa/Asir` with `os_muldif.rr` (cf. [4]):

```
[0] L=load("Dsystem.rr")$
[1] L[0];
[[-a*x+a*y,(-z+b)*x-y,y*x-c*z],Lorenz system]
[2] os_md.baseODE(L[0]|ord=-3,dbg=3,TeX=2)$   /* get single equation to x */
[3] os_md.baseODE(L[0]|ord=-3,step=1,TeX=2)$  /* x''=f2(y,z), x3=f3(y,z),...*/
[4] os_md.baseODE(L[1]|to=[y+m*x,x,z],f=-3,TeX=2)$ /* using coordinate (y+mx,x,z) */
```

In the above we get the corresponding TEX source by `TeX=1` in place of `TeX=2`.

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[*2] The tabel in this page is added a result by [2], April 28, 2021.

Lorenz system

$$\begin{cases} x' &= -ax + ay, \\ y' &= (-z + b)x - y, \\ z' &= yx - cz. \end{cases} \tag{1}$$

To get a single equation to the variable x, we differentiate the first equation in the above up to 2 times with the substitions of the derivetives y' and z' by polynomials of x, y and z which are given by the second and the third equations.

$$\begin{aligned} x' &= -ax + ay, \\ x'' &= -ax' + ay' = -ax' + a((-z + b)x - y), \\ x''' &= -ax'' + a\big(-z'x + (-z + b)x' - y'\big) = -ax'' + a\big((cz - xy)x + (-z + b)x' - (-z + b)x + y\big). \end{aligned}$$

We get the required single differential equation by elimiating the variables y and z from these equations. Note that $x_1 = x',\ x_2 = x'',\ x_3 = x'''$ in the following polynomials, which are identically zero.

$x,\ y,\ z$:

$$\begin{aligned} & xx_3 - x_1x_2 + (a + c + 1)xx_2 - (a + 1)x_1^2 + x(x^2 + ca + c)x_1 + ax^2(x^2 - cb + c), \\ & x_2 + (a + 1)x_1 + a(z - b + 1)x, \\ & x_1 + a(x - y), \\ & \\ & x_2 + a((z - a - b)x + (a + 1)y), \\ & x_3 + a(yx^2 + ((-2a - c - 1)z + a^2 + 2ba + b)x + (az - a^2 + (-b - 1)a - 1)y) \\ & \quad --- \end{aligned}$$

$$\begin{aligned} & y^3y_3^3 - 3y^2y_1y_2y_3^2 + (7a + 4c + 3)y^3y_2y_3^2 - 3(a + c + 1)y^2y_1^2y_3^2 + y((4a^2 + (5c + 4)a + c^2 + c)y^2 + c^2b^2)y_1y_3^2 \\ & + y^2((4a^2 + (-3cb + 5c)a + c^2)y^2 - c^2b^2a)y_3^2 + 3yy_1^2y_2^2y_3 - 2(7a + 4c + 3)y^2y_1y_2^2y_3 \\ & + (3a + c + 1)(5a + 5c + 3)y^3y_2^2y_3 + 6(a + c + 1)yy_1^3y_2y_3 \\ & - ((22a^2 + (32c + 28)a + 10c^2 + 16c + 6)y^2 + c^2b^2)y_1^2y_2y_3 \\ & + y((16a^3 + (34c + 16)a^2 + (12cb + 20c^2 + 18c + 8)a + 2c^3 + 2c^2 + 2c)y^2 + 4c^2b^2a + (3c^3 + 2c^2)b^2)y_1y_2y_3 \\ & + y^2(9a^2y^4 + (16a^3 + (-22cb + 34c + 8)a^2 + ((-7c^2 - 6c)b + 20c^2 + 10c)a + 2c^3 + 2c^2)y^2 - 3c^2b^2a^2 + (-3c^3 - 2c^2)b^2a)y_2y_3 \\ & + 3(a + c + 1)^2yy_1^4y_3 - (a + c + 1)((8a^2 + (10c + 8)a + 2c^2 + 2c)y^2 + c^2b^2)y_1^3y_3 \\ & + y((4a^4 + 12ca^3 + (18cb + 12c^2 - 2c - 4)a^2 + ((9c^2 + 12c)b + 4c^3 - 4c^2 - 6c)a - 2c^3 - 2c^2)y^2 + 2c^2b^2a^2 + (3c^3 \\ & + 3c^2)b^2a + (c^4 + 2c^3)b^2)y_1^2y_3 \\ & + y^2((27a^3 + 9a^2)y^4 + (8a^4 + (-18cb + 24c + 8)a^3 + ((-18c^2 - 4c)b + 24c^2 + 16c)a^2 + (2c^2b + 8c^3 + 8c^2)a)y^2 \\ & - c^2b^2a^3 + (-2c^3 - c^2)b^2a^2 + (-4c^3b^3 - c^4b^2)a + c^4b^2)y_1y_3 \\ & + ay^3(27a^2y^4 + (4a^3 + (-18cb + 12c)a^2 + (-18c^2b + 12c^2)a + 4c^3)y^2 - c^2b^2a^2 + (4c^3b^3 - 2c^3b^2)a - c^4b^2)y_3 \\ & - y_1^3y_2^3 + (7a + 4c + 3)yy_1^2y_2^3 - (3a + c + 1)(5a + 5c + 3)y^2y_1y_2^3 + (a + 2c + 1)(3a + c + 1)^2y^3y_2^3 - 3(a + c + 1)y_1^4y_2^2 \\ & + 3(a + c + 1)(6a + 3c + 2)yy_1^3y_2^2 \\ & - ((31a^3 + (69c + 49)a^2 + (9cb + 45c^2 + 65c + 25)a + 7c^3 + 16c^2 + 13c + 3)y^2 + 2c^2b^2a + (c^3 + c^2)b^2)y_1^2y_2^2 \\ & - y(9a^2y^4 + (-12a^4 + (-49c - 12)a^3 + (-28cb - 51c^2 - 37c - 12)a^2 \\ & + ((-19c^2 - 12c)b - 15c^3 - 14c^2 - 13c - 4)a - c^4 - c^3 - c^2 - c)y^2 - 4c^2b^2a^2 + (-6c^3 - 4c^2)b^2a + (-2c^4 - 3c^3 - c^2)b^2)y_1y_2^2 \\ & + y^2((9a^3 + (18c + 9)a^2)y^4 + (12a^4 + (-27cb + 49c + 16)a^3 + ((-31c^2 - 22c)b + 51c^2 + 34c + 4)a^2 \\ & + ((-4c^3 - 7c^2 - 3c)b + 15c^3 + 20c^2 + 5c)a + c^4 + 2c^3 + c^2)y^2 - 2c^2b^2a^3 + (-5c^3 - 3c^2)b^2a^2 + (-2c^4 - 3c^3 - c^2)b^2a)y_2^2 \\ & - 3(a + c + 1)^2y_1^5y_2 + 3(a + c + 1)^2(5a + 2c + 1)yy_1^4y_2 \\ & - ((20a^4 + (62c + 40)a^3 + (24cb + 66c^2 + 84c + 28)a^2 + ((15c^2 + 18c)b + 26c^3 + 48c^2 + 32c + 8)a + 2c^4 + 4c^3 \\ & + 4c^2 + 2c)y^2 + 3c^2b^2a^2 + (4c^3 + 5c^2)b^2a + (c^4 + 3c^3 + c^2)b^2)y_1^3y_2 \\ & - y((36a^3 + (9c + 18)a^2)y^4 + (-4a^5 + (-28c + 12)a^4 + (-56cb - 48c^2 + 14c + 20)a^3 + ((-76c^2 - 50c)b - 28c^3 \\ & + 18c^2 + 32c + 4)a^2 + ((-20c^3 - 32c^2 - 12c)b - 4c^4 + 18c^3 + 28c^2 + 6c)a + 2c^4 + 4c^3 + 2c^2)y^2 - 4c^2b^2a^3 \\ & + (-9c^3 - 7c^2)b^2a^2 + (-2c^3b^3 + (-6c^4 - 11c^3 - 3c^2)b^2)a + (-c^5 - 4c^4 - 2c^3)b^2)y_1^2y_2 \\ & + y^2((39a^4 + (51c + 9)a^3 + (12c^2 + 27c + 9)a^2)y^4 + (8a^5 + (-30cb + 56c + 12)a^4 + ((-78c^2 - 16c)b + 96c^2 \\ & + 60c + 8)a^3 + (-12c^2b^2 + (-30c^3 - 4c^2 - 4c)b + 56c^3 + 60c^2 + 16c)a^2 + ((12c^3 + 2c^2)b + 8c^4 + 12c^3 + 8c^2)a)y^2 \\ & - c^2b^2a^4 + (-5c^3 - c^2)b^2a^3 + (-8c^3b^3 + (-5c^4 - 3c^3 - c^2)b^2)a^2 + ((-6c^4 - 4c^3)b^3 + (-c^5 + c^4)b^2)a + (c^5 + c^4)b^2)y_1y_2 \\ & + ay^3((39a^3 + (-18cb + 51c + 27)a^2 + 12c^2a)y^4 + (4a^4 + (-30cb + 28c + 4)a^3 + (16c^2b^2 + (-78c^2 - 18c)b \\ & + 48c^2 + 12c)a^2 + (-2c^3b^2 + (-30c^3 - 18c^2)b + 28c^3 + 12c^2)a + 4c^4 + 4c^3)y^2 - c^2b^2a^3 + (6c^3b^3 \\ & + (-5c^3 - c^2)b^2)a^2 + ((6c^4 + 4c^3)b^3 + (-5c^4 - 2c^3)b^2)a + (-c^5 - c^4)b^2)y_2 \\ & - (a + c + 1)^3y_1^6 + (a + c + 1)^3(4a + c)yy_1^5 \\ & - ((4a^5 + (16c + 8)a^4 + (15cb + 24c^2 + 23c + 4)a^3 + ((21c^2 + 24c)b + 16c^3 + 21c^2 + 6c)a^2 + ((6c^3 + 15c^2 \end{aligned}$$

$$
\begin{aligned}
&+9c)b+4c^4+5c^3-c)a-c^4-2c^3-c^2)y^2+c^2b^2a^3+(2c^3+3c^2)b^2a^2+(-c^3b^3+(c^4+4c^3+2c^2)b^2)a+(c^4+c^3)b^2)y_1^4\\
&-y((27a^4+(27c+36)a^3+(9c+9)a^2)y^4+((-4c+8)a^5+(-22cb-12c^2+20c+16)a^4\\
&+((-48c^2-26c)b-12c^3+24c^2+36c+8)a^3+(-9c^2b^2+(-30c^3-34c^2-4c)b-4c^4+20c^3+36c^2+12c)a^2+((-4c^4-8c^3-4c^2)b\\
&+8c^4+16c^3+8c^2)a)y^2-c^2b^2a^4+(-3c^3-2c^2)b^2a^3+(-3c^3b^3+(-3c^4-5c^3-c^2)b^2)a^2+(-3c^3b^3\\
&+(-c^5-4c^4-2c^3)b^2)a+(-c^5-c^4)b^2)y_1^3\\
&+y^2((4a^5+(39c-15)a^4+(27cb+12c^2-3c-27)a^3+(4c^3+12c^2+9c)a^2)y^4+((-4cb+12c-4)a^5\\
&+((-30c^2+14c)b+36c^2+8c-4)a^4+(-18c^2b^2+(-30c^3+18c^2+14c)b+36c^3+24c^2)a^3+((-18c^3-3c^2)b^2+(-4c^4\\
&+30c^3+24c^2)b+12c^4+8c^3)a^2+((8c^4+10c^3)b-4c^4-4c^3)a)y^2+(-c^3+c^2)b^2a^4+(-5c^3b^3+(-2c^4+c^3\\
&+c^2)b^2)a^3+((-6c^4-5c^3)b^3+(-c^5+c^4+2c^3)b^2)a^2+((-c^5-6c^4)b^3+(c^5+3c^4)b^2)a+c^5b^2)y_1^2\\
&+ay^3(27a^3y^6+(8a^4+(-45cb+78c+12)a^3+((-18c^2+9c)b+24c^2+24c)a^2+(8c^3+12c^2)a)y^4+((-8cb\\
&+12c)a^4+(17c^2b^2+(-60c^2-8c)b+36c^2+12c)a^3+((16c^3-2c^2)b^2+(-60c^3-30c^2)b+36c^3+24c^2)a^2\\
&+((-c^4-20c^3)b^2-8c^4b+12c^4+12c^3)a+4c^4b)y^2+(c^3b^3-2c^3b^2)a^3+((6c^4+c^3)b^3+(-4c^4-2c^3)b^2)a^2+(4c^4b^4+c^5b^3+(-2c^5-2c^4)b^2)a-c^5b^3)y_1\\
&+a^2y^4(y^2-cb+c)(27a^2y^4+(4a^3+(-18cb+12c)a^2+(-18c^2b+12c^2)a+4c^3)y^2-c^2b^2a^2+(4c^3b^3-2c^3b^2)a-c^4b^2),\\
&(z-b)^2y_2+yy_1^2+(2y^2+(a+c+1)z^2+(-2ba+(-c-2)b)z+b^2a+b^2)y_1\\
&+y(y^2+az^3+((-3b+1)a+c)z^2+((3b^2-2b)a-cb)z+(-b^3+b^2)a),\\
&y_1+((z-b)x+y),
\end{aligned}
$$

$$
\begin{aligned}
&y_2+(yx^2+((-a-c-1)z+ba+b)x+(az-ba-1)y),\\
&y_3-((z-b)x^3+(3a+c+2)yx^2+(-3ay^2+az^2+(-a^2+(-2b-2c-1)a-c^2-c-1)z+ba^2+(b^2+b)a+b)x+((a^2\\
&+(2c+2)a)z-ba^2-2ba-1)y)\\
&--
\end{aligned}
$$

$$
\begin{aligned}
&(z-b)z_3^2-z_1z_2z_3+2(2a+c+2)(z-b)z_2z_3-(a+c+1)z_1^2z_3\\
&+(8az^2+(2a^2+(-16b+3c+4)a+3c+2)z-2ba^2+(8b^2+(-4c-4)b)a+(-4c-2)b)z_1z_3\\
&+2cz(z-b)(4az+a^2+(-4b+2)a+1)z_3-(a+c+3)z_1z_2^2+(a+c+3)(3a+c+1)(z-b)z_2^2\\
&-(4az+a^2+(-4b+3c+6)a+c^2+7c+5)z_1^2z_2\\
&+((16a^2+(4c+16)a)z^2+(2a^3+(-32b+7c+14)a^2+((-12c-32)b+3c^2+18c+14)a+3c^2+3c+2)z-2ba^3\\
&+(16b^2+(-8c-14)b)a^2+((8c+16)b^2+(-4c^2-24c-14)b)a+(-4c^2-8c-2)b)z_1z_2\\
&+2cz(z-b)((8a^2+(4c+8)a)z+a^3+(-8b+c+7)a^2+((-4c-8)b+2c+7)a+c+1)z_2-az_1^4\\
&-((6c+8)az+(c+2)a^2+((-4c-8)b+c^2+6c+4)a+3c^2+5c+2)z_1^3\\
&+(16a^2z^3+(4a^3+(-48b+16c+24)a^2+(-5c^2+4)a)z^2+((-8b+2c+4)a^3+(48b^2+(-32c-48)b+2c^2+10c\\
&+8)a^2+((4c^2-16c-8)b+4c^2+6c+4)a-2c^2-2c)z+(4b^2+(-2c-4)b)a^3+(-16b^3+(16c+24)b^2\\
&+(-3c^2-14c-8)b)a^2+((16c+4)b^2+(-10c^2-14c-4)b)a+(-3c^2-2c)b)z_1^2\\
&+2cz(16a^2z^3+(4a^3+(-48b+8c+24)a^2+(4c+4)a)z^2+((-8b+c+4)a^3+(48b^2+(-16c-48)b+6c+8)a^2\\
&+((-12c-8)b+5c+4)a)z+(4b^2+(-c-4)b)a^3+(-16b^3+(8c+24)b^2+(-7c-8)b)a^2+((8c+4)b^2+(-7c-4)b)a-cb)z_1\\
&+4c^2az^2(z-b)(z-b+1)(4az+a^2+(-4b+2)a+1),\\
&y^2z_2+(z-b)z_1^2+((a+c+1)y^2+2cz^2-2cbz)z_1-(ay^4+(-ca-c)zy^2-c^2z^3+c^2bz^2),\\
&z_1-(yx-cz),\\
&z_2+((z-b)x^2+(a+c+1)yx-ay^2-c^2z),\\
&z_3+(yx^3+((-3a-2c-1)z+3ba+(c+1)b)x^2+(4az-a^2+(-4b-c-2)a-c^2-c-1)yx+(a^2+(c+3)a)y^2+c^3z)
\end{aligned}
$$

Rössler system

$$\begin{cases} x' &= -y - z, \\ y' &= x + ay, \\ z' &= zx - cz + b. \end{cases} \tag{2}$$

$x,\ y,\ z$:

$$\begin{aligned}
&(x-a-c)x_3 - x_1x_2 - (x-a-c)(x+a-c)x_2 + ax_1^2 + (ax^2 + (-a^2-2ca)x + ca^2 + (c^2-1)a - b - c)x_1 \\
&\quad - (x-a-c)(x^2 - cx + ba), \\
&x_2 - ax_1 + ((z+1)x + (-a-c)z + b), \\
&x_1 + (y+z),
\end{aligned}$$

$$\begin{aligned}
&x_2 + ((z+1)x + ay - cz + b), \\
&x_3 + (zx^2 + (-2cz + a + b)x + (-z + a^2 - 1)y - z^2 + (c^2-1)z - cb) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&y_3 - y_1y_2 + (ay - a + c)y_2 + ay_1^2 - ((a^2+1)y + ca - 1)y_1 + (ay^2 + cy + b), \\
&y_2 - ay_1 + (y+z), \\
&y_1 - (x + ay),
\end{aligned}$$

$$\begin{aligned}
&y_2 - (ax + (a^2-1)y - z), \\
&y_3 + ((z - a^2 + 1)x + (-a^3 + 2a)y + (a-c)z + b) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&z^2z_3 - 3zz_1z_2 - z(az-b)z_2 + 2z_1^3 + (az - 2b)z_1^2 + z(z^2 + z - ba)z_1 - z^2(az^2 - cz + b), \\
&zz_2 - z_1^2 + bz_1 + z^2(y+z), \\
&z_1 - (zx - cz + b),
\end{aligned}$$

$$\begin{aligned}
&z_2 - (zx^2 + (-2cz + b)x - zy - z^2 + c^2z - cb), \\
&z_3 - (zx^3 + (-3cz + b)x^2 + (-3zy - 4z^2 + (3c^2-1)z - 2cb)x + ((-a+3c)z - 2b)y + 4cz^2 + (-3b - c^3)z + c^2b)
\end{aligned}$$

A further study is given in the last in this note.

Hyperchaotic Rössler system

$$\begin{cases} x' &= -y - z, \\ y' &= x + ay + w, \\ z' &= zx + b, \\ w' &= -cz + dw. \end{cases} \tag{3}$$

$x,\ y,\ z,\ w$:

$$\begin{aligned}
&- x_1x_4 - (x^2 + (-a-d)x + da - c)x_4 + x_2x_3 + 3xx_1x_3 + (x + a + d)(x^2 + (-a-d)x + da - c)x_3 - (a+d)x_2^2 \\
&- (a+d)(3x - a - d)x_1x_2 \\
&- ((a+d)x^3 + (-a^2 - da - d^2 + 1)x^2 + ((-c-1)a - b - dc)x + d^2a^2 + (b - dc + d)a + db - c)x_2 \\
&+ ((3da + 3)x - da^2 + (-d^2 - 1)a - 2b)x_1^2 \\
&+ ((da+1)x^3 + (-da^2 + (-d^2 - 1)a - 3d)x^2 + (d^2a^2 + (-b - dc + d)a - db - c)x + ba^2 + (-db + d^2)a + (3c + d^2)b - dc)x_1 \\
&- (x^2 + (-a-d)x + da - c)(dx^2 + dba - cb), \\
&(x-a)x_3 - x_1x_2 - (x^2 - a^2 - c)x_2 + ax_1^2 + (ax^2 - a^2x - w + (-c-1)a - b)x_1 \\
&- (x^3 + (w-a)x^2 + ((-a-d)w + ba - c)x + (da - c)w - ba^2 - cb), \\
&x_2 - ax_1 + ((z+1)x - az + w + b), \\
&x_1 + (y + z),
\end{aligned}$$

$$\begin{aligned}
&x_2 + ((z+1)x + ay + w + b), \\
&x_3 + (zx^2 + (a+b)x + (-z + a^2 - 1)y - z^2 + (-c-1)z + (a+d)w), \\
&x_4 + (zx^3 + bx^2 + (-3zy - 4z^2 + (-c-2)z + a^2 - 1)x + (-az + a^3 - 2a - 2b)y + (-w + (-c-1)a - 3b - dc)z + (a^2 + da + d^2 \\
&\quad - 1)w + (-c-1)b) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&d(c+1)^3y_4^2 + (c+1)^3y_2y_3y_4 - (c+1)^3(a+d)y_1y_3y_4 \\
&+ (c+1)^2(((dc+d)a + c + 1)y + (-2dc - 2d)a - 2d^2c - 5d^2)y_3y_4 - (c+1)^2((c+1)a + dc + 2d)y_2^2y_4 \\
&+ (c+1)^2((c+1)a^2 + (3dc + 5d)a + (d^2+1)c + 3d^2 + 1)y_1y_2y_4 \\
&- (c+1)(((dc^2 + 2dc + d)a^2 + ((d^2+1)c^2 + (4d^2+2)c + 3d^2 + 1)a + dc^2 + 4dc + 3d)y \\
&+ (-2d^2c^2 - 7d^2c - 5d^2)a - 2dc^2 + (-3d^3 - 4d)c - d^3 - 2d)y_2y_4 \\
&- (c+1)^2(a+d)((dc + 2d)a + c + d^2 + 1)y_1^2y_4 \\
&+ (c+1)(((d^2c^2 + 4d^2c + 3d^2)a^2 + (2dc^2 + (2d^3 + 6d)c + 2d^3 + 4d)a + c^2 + (2d^2+2)c + 2d^2 + 1)y \\
&+ (-3d^3c - d^3)a - 2d^2c^2 - 7d^2c + 2d^4 - 5d^2)y_1y_4 \\
&- d(((d^2c^2 + 2d^2c + d^2)a^2 + (2dc^2 + 4dc + 2d)a + c^2 + 2c + 1)y^2 + ((2d^3c + 2d^3)a - 4d^2c^2 - 6d^2c - 2d^2)y \\
&+ (4dc^3 + 12dc^2 + 12dc + 4d)b + d^4)y_4 \\
&- (c+1)^3y_3^3 + 2(c+1)^2((c+1)a + dc - d)y_2y_3^2 + (c+1)^2((c+1)a^2 + (-dc + 3d)a + (d^2 - 3)c + 5d^2 - 3)y_1y_3^2 \\
&- (c+1)^2(((dc+d)a^2 + ((d^2+1)c + 5d^2 + 1)a - 4dc)y + (-dc - d)a^2 + (-2d^2c - 5d^2)a + (c^2 + 2c + 1)b - d^3c - 4d^3)y_3^2 \\
&- (c+1)^2y_2^3y_3 + 3(c+1)^2(a+d)y_1y_2^2y_3 \\
&- (c+1)(((3dc + 3d)a - c^2 + c + 2)y + (2c^2 + 4c + 2)a^2 + (3dc^2 - 3dc - 6d)a + (2d^2 - 1)c^2 + (-5d^2 - 2)c - 5d^2 - 1)y_2^2y_3 \\
&- 3(c+1)^2(a+d)^2y_1^2y_2y_3 \\
&+ (c+1)(((6dc + 6d)a^2 + (-2c^2 + (6d^2+2)c + 6d^2 + 4)a - 2dc^2 + 2dc + 4d)y + (-c^2 - 2c - 1)a^3 + (dc^2 - 8dc \\
&- 9d)a^2 + ((d^2+4)c^2 + (-26d^2 + 8)c - 23d^2 + 4)a + (-d^3 + 3d)c^2 + (-12d^3 - 2d)c - 7d^3 - 5d)y_1y_2y_3 \\
&- (((3d^2c^2 + 6d^2c + 3d^2)a^2 + (-2dc^3 + 6dc + 4d)a - 2c^3 - 3c^2 + 1)y^2 + ((-dc^3 - 3dc^2 - 3dc - d)a^3 \\
&+ ((-3d^2 - 1)c^3 + (-19d^2 - 3)c^2 + (-29d^2 - 3)c - 13d^2 - 1)a^2 + ((-d^3 + 6d)c^3 + (-13d^3 + 8d)c^2 + (-19d^3 - 2d)c - 7d^3 - 4d)a \\
&+ (9d^2 - 1)c^3 + (7d^2 - 3)c^2 + (-9d^2 - 3)c - 7d^2 - 1)y + (2d^2c^3 + 9d^2c^2 + 12d^2c + 5d^2)a^2 \\
&+ ((-2c^4 - 8c^3 - 12c^2 - 8c - 2)b + (2d^3 + 2d)c^3 + (15d^3 + 6d)c^2 + (22d^3 + 6d)c + 9d^3 + 2d)a + (-2dc^4 - 4dc^3 + 4dc + 2d)b + 2d^2c^3 + (3d^4 \\
&+ 9d^2)c^2 + (4d^4 + 12d^2)c + 2d^4 + 5d^2)y_2y_3 \\
&+ (c+1)^2(a+d)^3y_1^3y_3 \\
&- (c+1)(((3dc + 3d)a^3 + (-c^2 + (6d^2+1)c + 6d^2 + 2)a^2 + (-2dc^2 + (3d^3 + 2d)c + 3d^3 + 4d)a - d^2c^2 + d^2c \\
&+ 2d^2)y + (-dc^2 - 3dc - 2d)a^3 + ((d^2 - 1)c^2 + (-9d^2 - 2)c - 8d^2 - 1)a^2 + ((-d^3 + 3d)c^2 + (-13d^3 - 2d)c - 8d^3 - 5d)a \\
&+ (-2d^2 + 3)c^2 + (-d^4 - 12d^2 + 6)c + d^4 - 10d^2 + 3)y_1^2y_3 \\
&+ (((3d^2c^2 + 6d^2c + 3d^2)a^3 + (-2dc^3 + 3d^3c^2 + (6d^3 + 6d)c + 3d^3 + 4d)a^2 + ((-2d^2 - 2)c^3 - 3c^2 + 6d^2c + 4d^2 \\
&+ 1)a - 2dc^3 - 3dc^2 + d)y^2 + ((-d^2c^3 - 5d^2c^2 - 7d^2c - 3d^2)a^3 + ((-d^3 - 2d)c^3 + (-15d^3 - 8d)c^2 \\
&+ (-23d^3 - 10d)c - 9d^3 - 4d)a^2 + ((7d^2 - 1)c^3 + (-2d^4 - 9d^2 - 3)c^2 + (-35d^2 - 3)c + 2d^4 - 19d^2 - 1)a + 8dc^3 + (-12d^3 + 16d)c^2 + (-20d^3 \\
&+ 8d)c - 8d^3)y + (3d^3c^2 + 4d^3c + d^3)a^2 + ((-2dc^4 - 4dc^3 + 4dc + 2d)b + 2d^2c^3 + (3d^4 + 9d^2)c^2 + (2d^4 + 12d^2)c \\
&+ 5d^2)a + (-2c^4 + (4d^2 - 8)c^3 + (12d^2 - 12)c^2 + (12d^2 - 8)c + 4d^2 - 2)b + 2d^3c^3 + 12d^3c^2 + (-2d^5 + 18d^3)c - d^5 + 8d^3)y_1y_3
\end{aligned}$$

$$
\begin{aligned}
&- (((d^3c^2+2d^3c+d^3)a^3+(-d^2c^3+3d^2c+2d^2)a^2+(-2dc^3-3dc^2+d)a-c^3-2c^2-c)y^3\\
&+((-d^3c^2-2d^3c-d^3)a^3+((-d^4-2d^2)c^2-4d^2c+d^4-2d^2)a^2+((-12d^3-d)c^2+(-20d^3-2d)c-8d^3-d)a+8d^2c^3+13d^2c^2+4d^2c\\
&-d^2)y^2+((-2d^4c-2d^4)a^2+((4d^2c^3+12d^2c^2+12d^2c+4d^2)b+4d^3c^2+(-2d^5+6d^3)c-d^5+2d^3)a\\
&+(-4dc^4-12dc^3-12dc^2-4dc)b+4d^4c^2+5d^4c+2d^4)y+((-4d^2c^3-12d^2c^2-12d^2c-4d^2)b-d^5)a+(-4d^3c^3-16d^3c^2-20d^3c-8d^3)b-d^6)y_3\\
&+(c+1)^2(a+d)y_2^4-(c+1)^2(3a^2+7da+3d^2+1)y_1y_2^3\\
&+(c+1)(((3dc+3d)a^2+(-c^2+(3d^2+1)c+3d^2+2)a-dc^2+2dc+3d)y+(c^2+2c+1)a^3+(2dc^2-2d)a^2\\
&+((2d^2-1)c^2+(-5d^2-2)c-5d^2-1)a+(d^3-d)c^2+(-2d^3-3d)c-d^3-2d)y_2^3\\
&+3(c+1)^2(a+d)(a^2+3da+d^2+1)y_1^2y_2^2\\
&-(c+1)(((6dc+6d)a^3+(-2c^2+(15d^2+2)c+15d^2+4)a^2+(-5dc^2+(6d^3+11d)c+6d^3+16d)a\\
&+(-2d^2-1)c^2+(5d^2+1)c+7d^2+2)y+(2dc^2-2d)a^3+((3d^2+2)c^2+(-16d^2+4)c-15d^2+2)a^2+((2d^3+d)c^2\\
&+(-18d^3-8d)c-10d^3-9d)a+(d^2-1)c^2+(-4d^4-9d^2-2)c-8d^2-1)y_1y_2^2\\
&+(((3d^2c^2+6d^2c+3d^2)a^3+(-2dc^3+3d^3c^2+(6d^3+6d)c+3d^3+4d)a^2+((-2d^2-2)c^3+(3d^2-3)c^2\\
&+12d^2c+7d^2+1)a-3dc^3-3dc^2+3dc+3d)y^2+((-d^2c^3-7d^2c^2-11d^2c-5d^2)a^3+((-d^3+3d)c^3+(-13d^3+5d)c^2\\
&+(-19d^3+d)c-7d^3-d)a^2+((8d^2-1)c^3+(-4d^4+2d^2-3)c^2+(-4d^4-16d^2-3)c-10d^2-1)a+(5d^3-d)c^3+(d^3\\
&-5d)c^2+(-7d^3-7d)c-3d^3-3d)y+((-c^4-4c^3-6c^2-4c-1)b+d^3c^3+6d^3c^2+9d^3c+4d^3)a^2+((-2dc^4-4dc^3\\
&+4dc+2d)b+2d^2c^3+(3d^4+9d^2)c^2+(4d^4+12d^2)c+2d^4+5d^2)a+(-d^2c^4+7d^2c^2+10d^2c+4d^2)b+dc^3+(3d^3\\
&+3d)c^2+(4d^3+3d)c+d^5+d^3+d)y_2^2\\
&-(c+1)^2(a+d)^2(a^2+5da+d^2+3)y_1^3y_2\\
&+(c+1)(((3dc+3d)a^4+(-c^2+(15d^2+1)c+15d^2+2)a^3+(-5dc^2+(15d^3+14d)c+15d^3+19d)a^2\\
&+((-5d^2-2)c^2+(3d^4+17d^2+2)c+3d^4+22d^2+4)a+(-d^3-2d)c^2+(4d^3+2d)c+5d^3+4d)y+(2d^2c^2-5d^2c-5d^2)a^3\\
&+((2d^3+3d)c^2+(-18d^3-3d)c-10d^3-6d)a^2+((d^2+2)c^2+(-9d^4-26d^2+4)c+d^4-23d^2+2)a+(-d^3+d)c^2\\
&+(-13d^3-2d)c+2d^5-8d^3-3d)y_1^2y_2\\
&-(((3d^2c^2+6d^2c+3d^2)a^4+(-2dc^3+9d^3c^2+(18d^3+6d)c+9d^3+4d)a^3+((-6d^2-2)c^3+(3d^4+9d^2\\
&-3)c^2+(6d^4+36d^2)c+3d^4+21d^2+1)a^2+((-2d^3-10d)c^3+(6d^3-9d)c^2+(18d^3+12d)c+10d^3+11d)a\\
&+(-4d^2-2)c^3+(-3d^2-3)c^2+6d^2c+5d^2+1)y^2+((-d^3c^3-13d^3c^2-19d^3c-7d^3)a^3+(6d^2c^3+(-10d^4-12d^2)c^2\\
&+(-8d^4-38d^2)c+2d^4-20d^2)a^2+((9d^3+6d)c^3+(-25d^3+8d)c^2+(4d^5-57d^3-2d)c+4d^5-23d^3-4d)a+(9d^2-1)c^3\\
&+(-10d^4+5d^2-3)c^2+(-12d^4-13d^2-3)c-2d^4-9d^2-1)y+((-2dc^4-4dc^3+4dc+2d)b+3d^4c^2+4d^4c+2d^4)a^2\\
&+(((-2d^2-2)c^4+(4d^2-8)c^3+(26d^2-12)c^2+(32d^2-8)c+12d^2-2)b+2d^3c^3+15d^3c^2+(-2d^5+22d^3)c+d^5+9d^3)a\\
&+(-2dc^4+(4d^3-4d)c^3+14d^3c^2+(16d^3+4d)c+6d^3+2d)b+2d^2c^3+(3d^4+9d^2)c^2+(2d^4+12d^2)c+d^6+5d^2)y_1y_2\\
&+(((d^3c^2+2d^3c+d^3)a^4+(-d^2c^3+d^4c^2+(2d^4+3d^2)c+d^4+2d^2)a^3+((-d^3-2d)c^3+(3d^3-3d)c^2+9d^3c\\
&+5d^3+d)a^2+((-4d^2-1)c^3+(-3d^2-2)c^2+(6d^2-1)c+5d^2)a-3dc^3-5dc^2-dc+d)y^3+((-d^4c^2+d^4)a^3\\
&+(-13d^3c^2+(2d^5-22d^3)c+2d^5-9d^3)a^2+(8d^2c^3+(-10d^4+11d^2)c^2-12d^4c-2d^4-3d^2)a+8d^3c^3+(8d^3-d)c^2\\
&+(-2d^3-2d)c-2d^3-d)y^2+(((4d^2c^3+12d^2c^2+12d^2c+4d^2)b-2d^5c-d^5)a^2+((-4dc^4+(4d^3-12d)c^3+(14d^3-12d)c^2+(16d^3\\
&-4d)c+6d^3)b+4d^4c^2+3d^4c+d^6)a+(-4d^2c^4-8d^2c^3+2d^2c^2+12d^2c+6d^2)b+4d^3c^2+(-d^5+6d^3)c+d^5+2d^3)y\\
&+((-4d^3c^3-16d^3c^2-20d^3c-8d^3)b-d^6)a+(-4d^2c^3+(-4d^4-12d^2)c^2+(-6d^4-12d^2)c-2d^4-4d^2)b-d^5)y_2\\
&+(c+1)^2(a+d)^3(da+1)y_1^4\\
&-(c+1)(((3d^2c+3d^2)a^4+(-dc^2+(6d^3+5d)c+6d^3+6d)a^3+((-2d^2-1)c^2+(3d^4+11d^2+1)c+3d^4\\
&+13d^2+2)a^2+((-d^3-2d)c^2+(7d^3+2d)c+8d^3+4d)a-d^2c^2+(d^4+d^2)c+d^4+2d^2)y+(d^3c^2-2d^3c-d^3)a^3\\
&+(2d^2c^2+(-4d^4-5d^2)c-5d^2)a^2+((-d^3+2d)c^2-12d^3c+2d^5-7d^3-2d)a+(-d^2+1)c^2+(-d^4-6d^2+2)c+d^4-5d^2+1)y_1^3\\
&+(((3d^3c^2+6d^3c+3d^3)a^4+(-2d^2c^3+(3d^4+6d^2)c^2+(6d^4+18d^2)c+3d^4+10d^2)a^3+((-2d^3-5d)c^3\\
&+(9d^3-3d)c^2+(24d^3+9d)c+13d^3+7d)a^2+((-6d^2-2)c^3+(3d^4-3d^2-3)c^2+(6d^4+12d^2)c+3d^4+9d^2+1)a\\
&+(-d^3-2d)c^3-3dc^2+3d^3c+2d^3+d)y^2+((-4d^4c^2-4d^4c)a^3+(4d^3c^3-12d^3c^2+(4d^5-26d^3)c+4d^5-10d^3)a^2+(8d^2c^3\\
&-12d^4c^2+(-12d^4-20d^2)c-12d^2)a+4dc^3+(-12d^3+8d)c^2+(2d^5-20d^3+4d)c+2d^5-8d^3)y+((-d^2c^4+7d^2c^2\\
&+10d^2c+4d^2)b+d^5)a^2+((-2dc^4+(4d^3-4d)c^3+14d^3c^2+(16d^3+4d)c+6d^3+2d)b+3d^4c^2+4d^4c+d^6+2d^4)a\\
&+(-c^4+(4d^2-4)c^3+(d^4+12d^2-6)c^2+(2d^4+12d^2-4)c+d^4+4d^2-1)b+d^3c^3+6d^3c^2+(-2d^5+9d^3)c-d^5+4d^3)y_1^2\\
&-(((d^4c^2+2d^4c+d^4)a^4+(-d^3c^3+4d^3c^2+11d^3c+6d^3)a^3+(-5d^2c^3+(3d^4-3d^2)c^2+(6d^4+9d^2)c+3d^4\\
&+7d^2)a^2+((-2d^3-5d)c^3-8dc^2+(6d^3-d)c+4d^3+2d)a+(-2d^2-1)c^3+(-3d^2-2)c^2-c+d^2)y^3+((2d^5c+2d^5)a^3\\
&+(-11d^4c^2-12d^4c-d^4)a^2+(8d^3c^3-4d^3c^2+(4d^5-22d^3)c+4d^5-10d^3)a+8d^2c^3+(-6d^4+13d^2)c^2+(-8d^4+4d^2)c-2d^4-d^2)y^2\\
&+(((4d^3c^3+14d^3c^2+16d^3c+6d^3)b+d^6)a^2+((-4d^2c^4-4d^2c^3+(2d^4+14d^2)c^2+(4d^4+24d^2)c+2d^4+10d^2)b\\
&-3d^5c)a+(-4dc^4+(4d^3-12d)c^3+(14d^3-12d)c^2+(16d^3-4d)c+6d^3)b+4d^4c^2+5d^4c+d^6+2d^4)y\\
&+(-4d^4c^2-6d^4c-2d^4)ba+(-4d^3c^3-16d^3c^2+(2d^5-20d^3)c+2d^5-8d^3)b-d^6)y_1\\
&+d((da-c)y^2+db)(((d^2c^2+2d^2c+d^2)a^2+(2dc^2+4dc+2d)a+c^2+2c+1)y^2+((2d^3c+2d^3)a-4d^2c^2\\
&-6d^2c-2d^2)y+(4dc^3+12dc^2+12dc+4d)b+d^4),
\end{aligned}
$$

$$(c+1)y_3-(c+1)y_1y_2+((c+1)ay+(c+1)w+(-c-1)a-dc)y_2+(c+1)ay_1^2$$
$$-(((c+1)a^2+c+1)y+((c+1)a-dc-d)w-dca-c-1)y_1$$
$$+((c+1)ay^2+(((-dc-d)a+c+1)w-dc)y+(-dc-d)w^2-d^2w+(c^2+2c+1)b),$$
$$y_2-ay_1+(y+(c+1)z-dw),$$
$$y_1-(x+ay+w),$$

$$y_2-(ax+(a^2-1)y+(-c-1)z+(a+d)w),$$
$$y_3+(((c+1)z-a^2+1)x+(-a^3+2a)y+((c+1)a+dc)z+(-a^2-da-d^2+1)w+(c+1)b),$$
$$y_4+((c+1)zx^2+(((c+1)a+dc)z-a^3+2a+(c+1)b)x+((-c-1)z-a^4+3a^2-1)y+(-c-1)z^2+((c+1)a^2+dca$$
$$+(d^2-1)c-1)z+(-a^3-da^2+(-d^2+2)a-d^3+d)w+(c+1)ba+dcb)$$
$$--$$

$$z^3z_4-4z^2z_1z_3-z^2((a+d)z-b)z_3-3z^2z_2^2+12zz_1^2z_2+3z((a+d)z-2b)z_1z_2$$
$$+z^2(z^2+(da+1)z-ba-db)z_2-6z_1^4-2((a+d)z-3b)z_1^3-z((da+1)z-2ba-2db)z_1^2$$
$$-z^2((a+d)z^2+dz-dba-b)z_1+z^3((da-c)z^2+db),$$
$$z^2z_3-3zz_1z_2-z(az-b)z_2+2z_1^3+(az-2b)z_1^2+z(z^2+z-ba)z_1-z^2(az^2-wz+b),$$
$$zz_2-z_1^2+bz_1+z^2(y+z),$$
$$z_1-(zx+b),$$

$$z_2-(zx^2+bx-zy-z^2),$$
$$z_3-(zx^3+bx^2+(-3zy-4z^2-z)x+(-az-2b)y+(-w-3b)z),$$
$$z_4-(zx^4+bx^3+(-6zy-11z^2-4z)x^2+((-4az-5b)y+(-4w-a-13b)z-3b)x+3zy^2+(7z^2+(-a^2+1)z$$
$$-3ba)y+4z^3+(c+1)z^2+(-a-d)wz-3bw-3b^2)$$
$$--$$

$$cw_1^2w_4-2dcww_1w_4+d^2cw^2w_4-3cw_1w_2w_3+3dcww_2w_3-c(a-2d)w_1^2w_3+c((2da-d^2)w-cb)w_1w_3$$
$$-dcw((da+d^2)w-cb)w_3+2cw_2^3+c(a-3d)w_1w_2^2-c((da+3d^2)w-2cb)w_2^2-w_1^3w_2$$
$$+(3dw-dca+(3d^2+1)c)w_1^2w_2-(3d^2w^2+(-3d^3+2d)cw-c^2ba+3dc^2b)w_1w_2$$
$$+dw(d^2w^2+(d^2ca+dc)w-c^2ba-dc^2b)w_2+(a+d)w_1^4-((4da-c+3d^2)w-d^2ca+(2d^3+d)c)w_1^3$$
$$+((6d^2a-3dc+3d^3)w^2+(-d^3ca+2d^2c)w-dc^2ba+(2d^2+1)c^2b)w_1^2$$
$$-dw((4d^2a-3dc+d^3)w^2+d^2cw-dc^2ba+2c^2b)w_1+d^2w^2((d^2a-dc)w^2+c^2b),$$
$$w_1+(cz-dw),$$
$$czw_3+w_2^2+(dcz-2d^2w+cb)w_2-(c^2z^2y+c^2z^3-d^2c^2z^2+(2d^3cw-dc^2b)z-d^4w^2+d^2cbw),$$
$$w_2+(czx+dcz-d^2w+cb),$$

$$w_2+(czx+dcz-d^2w+cb),$$
$$w_3+(czx^2+(dcz+cb)x-czy-cz^2+d^2cz-d^3w+dcb),$$
$$w_4+(czx^3+(dcz+cb)x^2+(-3czy-4cz^2+(d^2-1)cz+dcb)x+((-ca-dc)z-2cb)y-dcz^2+(-cw-3cb+d^3c)z$$
$$-d^4w+d^2cb)$$

Lorenz 96 system

$$\begin{cases} x' &= -x + wy - wz + a, \\ y' &= (z - w)x - y + a, \\ z' &= -yx + wy - z + a, \\ w' &= zx - zy - w + a. \end{cases} \tag{4}$$

$x_2 + ((z+1)x + ay + w + b),$
$x_3 + (zx^2 + (a+b)x + (-z + a^2 - 1)y - z^2 + (-c-1)z + (a+d)w),$
$x_4 + (zx^3 + bx^2 + (-3zy - 4z^2 + (-c-2)z + a^2 - 1)x + (-az + a^3 - 2a - 2b)y + (-w + (-c-1)a - 3b - dc)z + (a^2 + da + d^2 - 1)w + (-c-1)b)$

Modified Chua's circuit

$$\begin{cases} x' &= -\frac{2}{7}ax^3 + \frac{1}{7}ax + ay, \\ y' &= x - y + z, \\ z' &= -by. \end{cases} \tag{5}$$

$x,\ y,\ z$:

$$7x_3 + (6ax^2 - a + 7)x_2 + 12axx_1^2 + (6ax^2 - 8a + 7b)x_1 + bax(2x^2 - 1),$$
$$7x_2 + (6ax^2 - a + 7)x_1 + a(2x^3 - 8x - 7z),$$
$$x_1 + \frac{1}{7}a(2x^3 - x - 7y),$$

$$x_2 - \frac{1}{49}a(12ax^5 - 8ax^3 - 42ayx^2 + (a + 49)x + (7a - 49)y + 49z),$$
$$x_3 + \frac{1}{343}a(120a^2x^7 - 108a^2x^5 - 588a^2yx^4 + (26a^2 + 392a)x^3 + ((252a^2 - 294a)y + 294az)x^2$$
$$+ (588a^2y^2 - a^2 - 98a + 343)x + (-7a^2 - 294a + 343b - 343)y + (-49a + 343)z)$$
$$---$$

$$343y_3^3 + 147(a + 7)y_2y_3^2 - 147(6a - 7b)y_1y_3^2 + 147bayy_3^2 + 147(2a + 7)y_2^2y_3$$
$$- 294(a^2 + (-b + 6)a - 7b)y_1y_2y_3 + 294bayy_2y_3 + 147(a - b)(5a - 7b)y_1^2y_3 - 294ba(a - b)yy_1y_3 + 2646ay_2^5$$
$$+ 13230ay_1y_2^4 - 2646a(2a - 5b)yy_2^4 + 26460ay_1^2y_2^3 - 10584a(2a - 5b)yy_1y_2^3$$
$$+ ((2646a^3 - 21168ba^2 + 26460b^2a)y^2 - 4a^3 + 147a + 343)y_2^3 + 26460ay_1^3y_2^2 - 15876a(2a - 5b)yy_1^2y_2^2$$
$$+ 3((2646a^3 - 21168ba^2 + 26460b^2a)y^2 - 4a^3 - 98a^2 + (98b - 294)a + 343b)y_1y_2^2$$
$$+ 3bay((2646a^2 - 10584ba + 8820b^2)y^2 - 4a^2 + 49)y_2^2 + 13230ay_1^4y_2 - 10584a(2a - 5b)yy_1^3y_2$$
$$+ 3((2646a^3 - 21168ba^2 + 26460b^2a)y^2 + 45a^3 + (-98b + 245)a^2 + (49b^2 - 588b)a + 343b^2)y_1^2y_2$$
$$+ 6bay((2646a^2 - 10584ba + 8820b^2)y^2 - 4a^2 - 49a + 49b)y_1y_2$$
$$+ 6b^2ay^2((1323a^2 - 3528ba + 2205b^2)y^2 - 2a^2)y_2 + 2646ay_1^5 - 2646a(2a - 5b)yy_1^4$$
$$+ ((2646a^3 - 21168ba^2 + 26460b^2a)y^2 - 200a^3 + 735ba^2 - 882b^2a + 343b^3)y_1^3$$
$$+ 3bay((2646a^2 - 10584ba + 8820b^2)y^2 + 45a^2 - 98ba + 49b^2)y_1^2$$
$$+ 6b^2ay^2((1323a^2 - 3528ba + 2205b^2)y^2 - 2a^2)y_1 + 2b^3ay^3((1323a^2 - 2646ba + 1323b^2)y^2 - 2a^2),$$
$$7y_2 + 2ay_1^3 + 6a(y - z)y_1^2 + (6ay^2 - 12azy + 6az^2 - a + 7)y_1 + (2ay^3 - 6azy^2 + (6az^2 - 8a + 7b)y - 2az^3 + az),$$
$$y_1 - (x - y + z),$$
$$y_2 + \frac{1}{7}(2ax^3 + (-a + 7)x + (-7a + 7b - 7)y + 7z),$$
$$y_3 - \frac{1}{49}(12a^2x^5 + (-8a^2 + 14a)x^3 - 42a^2yx^2 + (a^2 + 42a - 49b + 49)x + (7a^2 - 98a + 98b - 49)y + (49a - 49b + 49)z)$$
$$---$$

$$7b^2z_3 + 2az_2^3 + 6az_1z_2^2 + 6bazz_2^2 + 6az_1^2z_2 + 12bazz_1z_2 + b^2(6az^2 - a + 7)z_2 + 2az_1^3 + 6bazz_1^2$$
$$+ b^2(6az^2 - 8a + 7b)z_1 + b^3az(2z^2 - 1),$$
$$z_1 + by,$$
$$z_2 + b(x - y + z),$$
$$z_2 + b(x - y + z),$$
$$z_3 - \frac{1}{7}b(2ax^3 + (-a + 7)x + (-7a + 7b - 7)y + 7z)$$

Chen-Lee system

$$\begin{cases} x' &= ax - zy, \\ y' &= zx + by, \\ z' &= \frac{1}{3}yx + cz. \end{cases} \tag{6}$$

$x,\ y,\ z$:

$$\begin{aligned}
&9x^2x_3^2 - 18xx_1x_2x_3 - 18(a+2b+2c)x^2x_2x_3 + 18(a+b+c)xx_1^2x_3 \\
&\quad - 6x^2(4x^2 + (-3b-3c)a - 3b^2 - 6cb - 3c^2)x_1x_3 + 6ax^3(4x^2 - 3b^2 - 6cb - 3c^2)x_3 + 9x_1^2x_2^2 \\
&\quad + 18(a+2b+2c)xx_1x_2^2 + 9(a+b+3c)(a+3b+c)x^2x_2^2 - 18(a+b+c)x_1^3x_2 \\
&\quad + 6x(4x^2 - 3a^2 + (-12b-12c)a - 9b^2 - 18cb - 9c^2)x_1^2x_2 \\
&\quad + 6x^2((8b+8c)x^2 + (-3b-3c)a^2 + (-3b^2 - 18cb - 3c^2)a - 3b^3 - 21cb^2 - 21c^2b - 3c^3)x_1x_2 \\
&\quad - 6ax^3((4a+8b+8c)x^2 + (-3b^2 - 6cb - 3c^2)a - 3b^3 - 21cb^2 - 21c^2b - 3c^3)x_2 + 9(a+b+c)^2x_1^4 \\
&\quad - 6(a+b+c)x(4x^2 + (-3b-3c)a - 3b^2 - 6cb - 3c^2)x_1^3 \\
&\quad + 2x^2(8x^4 + (12a^2 - 6b^2 - 36cb - 6c^2)x^2 + (-9b^2 - 9c^2)a^2 + (-9b^3 + 9cb^2 + 9c^2b - 9c^3)a + 18cb^3 + 36c^2b^2 + 18c^3b)x_1^2 \\
&\quad - 8ax^3(x^2 - 3cb)(4x^2 + (-3b-3c)a - 3b^2 - 6cb - 3c^2)x_1 + 4a^2x^4(x^2 - 3cb)(4x^2 - 3b^2 - 6cb - 3c^2), \\
&3z^2x_2 + xx_1^2 - (2ax^2 + (3a+3b+3c)z^2)x_1 + x(a^2x^2 + 3z^4 + (3b+3c)az^2), \\
&x_1 - (ax - zy),
\end{aligned}$$

$$x_2 + \frac{1}{3}((y^2 + 3z^2 - 3a^2)x + (3a+3b+3c)zy),$$

$$\begin{aligned}
&x_3 + \frac{1}{3}(4zyx^2 + ((2a+3b+c)y^2 + (6a+3b+9c)z^2 - 3a^3)x - zy^3 + (-3z^3 + (3a^2 + (3b+3c)a + 3b^2 + 6cb + 3c^2)z)y) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&9y^2y_3^2 - 18yy_1y_2y_3 - 18(2a+b+2c)y^2y_2y_3 + 18(a+b+c)yy_1^2y_3 \\
&\quad + 6y^2(4y^2 + 3a^2 + (3b+6c)a + 3cb + 3c^2)y_1y_3 - 6by^3(4y^2 + 3a^2 + 6ca + 3c^2)y_3 + 9y_1^2y_2^2 \\
&\quad + 18(2a+b+2c)yy_1y_2^2 + 9(a+b+3c)(3a+b+c)y^2y_2^2 - 18(a+b+c)y_1^3y_2 \\
&\quad - 6y(4y^2 + 9a^2 + (12b+18c)a + 3b^2 + 12cb + 9c^2)y_1^2y_2 \\
&\quad - 6y^2((8a+8c)y^2 + 3a^3 + (3b+21c)a^2 + (3b^2 + 18cb + 21c^2)a + 3cb^2 + 3c^2b + 3c^3)y_1y_2 \\
&\quad + 6by^3((8a+4b+8c)y^2 + 3a^3 + (3b+21c)a^2 + (6cb + 21c^2)a + 3c^2b + 3c^3)y_2 + 9(a+b+c)^2y_1^4 \\
&\quad + 6(a+b+c)y(4y^2 + 3a^2 + (3b+6c)a + 3cb + 3c^2)y_1^3 \\
&\quad + 2y^2(8y^4 + (6a^2 + 36ca - 12b^2 + 6c^2)y^2 + (-9b+18c)a^3 + (-9b^2 + 9cb + 36c^2)a^2 + (9c^2b + 18c^3)a - 9c^2b^2 - 9c^3b)y_1^2 \\
&\quad - 8by^3(y^2 + 3ca)(4y^2 + 3a^2 + (3b+6c)a + 3cb + 3c^2)y_1 + 4b^2y^4(y^2 + 3ca)(4y^2 + 3a^2 + 6ca + 3c^2), \\
&3z^2y_2 - yy_1^2 + (2by^2 + (-3a-3b-3c)z^2)y_1 - y(b^2y^2 - 3z^4 + (-3ba-3cb)z^2), \\
&y_1 - (zx + by),
\end{aligned}$$

$$y_2 - \frac{1}{3}(yx^2 + (3a+3b+3c)zx + (-3z^2 + 3b^2)y),$$

$$\begin{aligned}
&y_3 - \frac{1}{3}(zx^3 + (3a+2b+c)yx^2 + (-4zy^2 - 3z^3 + (3a^2 + (3b+6c)a + 3b^2 + 3cb + 3c^2)z)x + ((-3a-6b-9c)z^2 + 3b^3)y) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&z^2z_3^2 - 2zz_1z_2z_3 - 2(2a+2b+c)z^2z_2z_3 + 2(a+b+c)zz_1^2z_3 + 2z^2(4z^2 + a^2 + (2b+c)a + b^2 + cb)z_1z_3 \\
&\quad - 2cz^3(4z^2 + a^2 + 2ba + b^2)z_3 + z_1^2z_2^2 + 2(2a+2b+c)zz_1z_2^2 + (a+3b+c)(3a+b+c)z^2z_2^2 - 2(a+b+c)z_1^3z_2 \\
&\quad - 2z(4z^2 + 3a^2 + (6b+4c)a + 3b^2 + 4cb + c^2)z_1^2z_2 \\
&\quad - 2z^2((8a+8b)z^2 + a^3 + (7b+c)a^2 + (7b^2 + 6cb + c^2)a + b^3 + cb^2 + c^2b)z_1z_2 \\
&\quad + 2cz^3((8a+8b+4c)z^2 + a^3 + (7b+c)a^2 + (7b^2 + 2cb)a + b^3 + cb^2)z_2 + (a+b+c)^2z_1^4 \\
&\quad + 2(a+b+c)z(4z^2 + a^2 + (2b+c)a + b^2 + cb)z_1^3 \\
&\quad + 2z^2(8z^4 + (2a^2 + 12ba + 2b^2 - 4c^2)z^2 + (2b-c)a^3 + (4b^2 + cb - c^2)a^2 + (2b^3 + cb^2)a - cb^3 - c^2b^2)z_1^2 \\
&\quad - 8cz^3(z^2 + ba)(4z^2 + a^2 + (2b+c)a + b^2 + cb)z_1 + 4c^2z^4(z^2 + ba)(4z^2 + a^2 + 2ba + b^2), \\
&3y^2z_2 - 9zz_1^2 - 3((a+b+c)y^2 - 6cz^2)z_1 + z(y^4 + (3ca + 3cb)y^2 - 9c^2z^2), \\
&z_1 - \frac{1}{3}(yx + 3cz),
\end{aligned}$$

$$z_2 - \frac{1}{3}(zx^2 + (a+b+c)yx - zy^2 + 3c^2z),$$

$$z_3 - \frac{1}{9}(yx^3 + (9a+3b+6c)zx^2 + (-y^3 + (-12z^2 + 3a^2 + (6b+3c)a + 3b^2 + 3cb + 3c^2)y)x + (-3a-9b-6c)zy^2 + 9c^3z)$$

Rabinovich-Fabrikant equations

$$\begin{cases} x' &= yx^2 + ax + (z-1)y, \\ y' &= -x^3 + 3x^2 + x + ay, \\ z' &= -2zyx - 2bz. \end{cases} \tag{7}$$

$x,\ z$:

$$\begin{aligned}
&x^3(x-1)^2(x+1)^2(x^2-3x-1)x_3^3 - 3x^2(x-1)(x+1)(3x^4-8x^3-4x^2+4x+1)x_1x_2x_3^2 \\
&- 2(5a-4b)x^3(x-1)^2(x+1)^2(x^2-3x-1)x_2x_3^2 + 6(a-b)x^2(x-1)(x+1)(3x^4-8x^3-4x^2+4x+1)x_1^2x_3^2 \\
&- x((4ba-2b^2)x^8 + (3a^2-18ba+6b^2)x^7 + (12a^2-20ba+4b^2)x^6 + (-36a^2+48ba-6b^2)x^5 + (-20a^2 \\
&+ 28ba)x^4 + (21a^2-30ba-6b^2)x^3 + (8a^2-12ba-4b^2)x^2 + 6b^2x + 2b^2)x_1x_3^2 \\
&+ 2x^2(x-1)(x+1)(x^2-3x-1)((3a+3b)x^8 + (-9a-9b)x^7 + (-6a-9b)x^6 + (9a+18b)x^5 + (-3a^3+3ba^2 \\
&+ (-3b^2+3)a + 9b)x^4 - 9bx^3 + (2a^3-3ba^2+4b^2a-3b)x^2 - b^2a)x_3^2 \\
&+ 3x(3x^2-1)(3x^4-7x^3-4x^2+5x+1)x_1^2x_2^2x_3 \\
&+ 4x^2(x-1)(x+1)((15a-12b)x^4 + (-39a+33b)x^3 + (-20a+16b)x^2 + (21a-15b)x + 5a - 4b)x_1x_2^2x_3 \\
&+ 4(2a-b)(4a-5b)x^3(x-1)^2(x+1)^2(x^2-3x-1)x_2^2x_3 \\
&- 12(a-b)x(3x^2-1)(3x^4-7x^3-4x^2+5x+1)x_1^3x_2x_3 \\
&- 2((61a^2-118ba+55b^2)x^8 + (-165a^2+330ba-156b^2)x^7 + (-174a^2+302ba-124b^2)x^6 + (318a^2 \\
&- 534ba+210b^2)x^5 + (137a^2-234ba+82b^2)x^4 + (-117a^2+192ba-48b^2)x^3 + (-28a^2+50ba-12b^2)x^2 - 6b^2x - b^2)x_1^2x_2x_3 \\
&- 2x((24a+24b)x^{12} + (-141a-141b)x^{11} + (135a+99b)x^{10} + (285a+498b)x^9 + (-18a^3+8ba^2 + (6b^2 \\
&- 144)a - 2b^3 - 339b)x^8 + (33a^3+12ba^2 + (-33b^2-147)a + 6b^3 - 648b)x^7 + (4a^3+54ba^2 + (-40b^2-15)a + 273b)x^6 \\
&+ (39a^3-186ba^2 + (105b^2+3)a + 6b^3 + 366b)x^5 + (34a^3-120ba^2+56b^2a+12b^3-45b)x^4 + (-42a^3+138ba^2 \\
&- 51b^2a - 30b^3 - 75b)x^3 + (-20a^3+58ba^2-16b^2a-16b^3-12b)x^2 + (-21b^2a+18b^3)x - 6b^2a + 6b^3)x_1x_2x_3 \\
&- 2x^2(x-1)(x+1)(x^2-3x-1)(9x^{12}-54x^{11}+45x^{10}+162x^9 + (28a^2+14ba-14b^2-108)x^8 \\
&+ (-84a^2-42ba+42b^2-162)x^7 + (-56a^2-56ba+42b^2+45)x^6 + (84a^2+126ba-84b^2+54)x^5 + (-17a^4+40ba^3 + (-37b^2 \\
&+ 28)a^2 + (14b^3+70b)a - 42b^2 + 9)x^4 + (-84ba+42b^2)x^3 + (12a^4-34ba^3+42b^2a^2 + (-20b^3-28b)a + 14b^2)x^2 \\
&- 5b^2a^2 + 6b^3a)x_2x_3 \\
&+ 12(a-b)^2x(3x^2-1)(3x^4-7x^3-4x^2+5x+1)x_1^4x_3 \\
&- 2((9a+9b)x^{11} + (-18a-18b)x^{10} + (9a-18b)x^9 + (-2a^3+22ba^2 + (-34b^2-36)a + 14b^3 + 36b)x^8 + (18a^3 \\
&- 102ba^2 + (132b^2-9)a - 48b^3)x^7 + (68a^3-168ba^2 + (124b^2-18)a - 24b^3 + 18b)x^6 + (-156a^3+360ba^2 \\
&+ (-240b^2-9)a + 36b^3 + 18b)x^5 + (-74a^3+182ba^2-112b^2a+4b^3-36b)x^4 + (66a^3-162ba^2+72b^2a+24b^3-9b)x^3 + (16a^3 \\
&- 44ba^2 + 20b^2a + 8b^3)x^2 + (12b^2a-12b^3)x + 2b^2a - 2b^3)x_1^3x_3 \\
&- 2x(27x^{15}-162x^{14}+162x^{13} + (-54a^2-12ba+42b^2+324)x^{12} + (306a^2+48ba-258b^2-189)x^{11} \\
&+ (-285a^2+69ba+210b^2)x^{10} + (-612a^2-570ba+876b^2-189)x^9 + (35a^4-76ba^3 + (69b^2+324)a^2 + (-26b^3 \\
&+ 447b)a + 4b^4 - 612b^2 - 324)x^8 + (-84a^4+186ba^3 + (-180b^2+270)a^2 + (78b^3+1194b)a - 12b^4 - 1080b^2 + 162)x^7 \\
&+ (-76a^4+158ba^3 + (-136b^2+81)a^2 + (64b^3-699b)a - 16b^4 + 408b^2 + 162)x^6 + (114a^4-216ba^3 + (186b^2+36)a^2 \\
&+ (-114b^3-870b)a + 36b^4 + 564b^2 + 27)x^5 + (37a^4-64ba^3 + (70b^2+6)a^2 + (-60b^3+165b)a + 24b^4 - 30b^2)x^4 + (-24a^4+30ba^3 \\
&- 48b^2a^2 + (66b^3+198b)a - 36b^4 - 102b^2)x^3 + (-10ba^3-8b^2a^2 + (32b^3+30b)a - 16b^4 - 18b^2)x^2 + (18b^2a^2-30b^3a \\
&+ 12b^4)x + 5b^2a^2 - 10b^3a + 4b^4)x_1^2x_3 \\
&+ 2x^2(36ax^{16}-297ax^{15}+594ax^{14}+810ax^{13} + (2a^3-22ba^2 + (-32b^2-3024)a - 8b^3)x^{12} + (-18a^3 \\
&+ 120ba^2 + (186b^2-513)a + 48b^3)x^{11} + (-32a^3-92ba^2 + (-102b^2+5112)a - 24b^3)x^{10} + (402a^3-270ba^2 \\
&+ (-804b^2+135)a - 240b^3)x^9 + (2a^5+4ba^4 + (-22b^2-400)a^3 + (12b^3+160b)a^2 + (566b^2-3672)a + 168b^3)x^8 \\
&+ (3a^5-36ba^4 + (81b^2-654)a^3 + (-42b^3+54b)a^2 + (1296b^2-486)a + 480b^3)x^7 + (8a^5-56ba^4 + (104b^2 \\
&+ 240)a^3 + (-48b^3+94b)a^2 + (-658b^2+918)a - 272b^3)x^6 + (-27a^5+150ba^4 + (-249b^2+270)a^3 + (114b^3 \\
&+ 222b)a^2 + (-924b^2+351)a - 480b^3)x^5 + (-18a^5+88ba^4 + (-136b^2+46)a^3 + (64b^3-118b)a^2 + (186b^2+36)a \\
&+ 168b^3)x^4 + (18a^5-90ba^4+147b^2a^3 + (-78b^3-126b)a^2 + 246b^2a + 240b^3)x^3 + (8a^5-36ba^4+56b^2a^3 \\
&+ (-32b^3-22b)a^2 + 40b^2a - 24b^3)x^2 + (-3b^2a^3+6b^3a^2-48b^3)x - 2b^2a^3 + 4b^3a^2 - 8b^3)x_1x_3 \\
&- 2ax^3(x-1)(x+1)(x^2-3x-1)(27ax^{12}-162ax^{11}+135ax^{10}+486ax^9 + (26a^3+6ba^2 + (-12b^2-324)a \\
&+ 8b^3)x^8 + (-78a^3-18ba^2 + (36b^2-486)a - 24b^3)x^7 + (-44a^3-30ba^2 + (36b^2+135)a - 32b^3)x^6 + (54a^3+72ba^2 \\
&+ (-72b^2+162)a + 72b^3)x^5 + (-3a^5+14ba^4 + (-21b^2+18)a^3 + (12b^3+42b)a^2 + (-4b^4-36b^2+27)a + 48b^3)x^4 \\
&+ (-54ba^2+36b^2a-72b^3)x^3 + (2a^5-10ba^4+18b^2a^3 + (-16b^3-18b)a^2 + (8b^4+12b^2)a - 32b^3)x^2 + 24b^3x - b^2a^3 \\
&+ 4b^3a^2 - 4b^4a + 8b^3)x_3 \\
&- (3x^2-1)^2(3x^2-6x-1)x_1^3x_2^3 \\
&- 2x(3x^2-1)((15a-12b)x^4 + (-33a+30b)x^3 + (-20a+16b)x^2 + (27a-18b)x + 5a - 4b)x_1^2x_2^3 \\
&- 4(2a-b)x^2(x-1)(x+1)((12a-15b)x^4 + (-30a+42b)x^3 + (-16a+20b)x^2 + (18a-18b)x + 4a - 5b)x_1x_2^3 \\
&- 8(a-2b)(2a-b)^2x^3(x-1)^2(x+1)^2(x^2-3x-1)x_2^3 + 6(a-b)(3x^2-1)^2(3x^2-6x-1)x_1^4x_2^2
\end{aligned}$$

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\begin{aligned}
&+ x((366a^2 - 672ba + 312b^2)x^6 + (-813a^2 + 1614ba - 804b^2)x^5 + (-692a^2 + 1208ba - 512b^2)x^4 + (1086a^2 \\
&- 1788ba + 696b^2)x^3 + (334a^2 - 592ba + 232b^2)x^2 + (-261a^2 + 438ba - 132b^2)x - 48a^2 + 88ba - 32b^2)x_1^3x_2^2 \\
&+ 2((45a + 45b)x^{12} + (-243a - 243b)x^{11} + (228a + 147b)x^{10} + (321a + 744b)x^9 + (71a^3 - 267ba^2 + (267b^2 \\
&- 126)a - 70b^3 - 450b)x^8 + (-210a^3 + 795ba^2 + (-780b^2 - 45)a + 204b^3 - 834b)x^7 + (-280a^3 + 827ba^2 \\
&+ (-694b^2 - 72)a + 152b^3 + 342b)x^6 + (534a^3 - 1542ba^2 + (1254b^2 - 33)a - 252b^3 + 408b)x^5 + (251a^3 - 705ba^2 + (536b^2 \\
&- 3)a - 92b^3 - 75b)x^4 + (-240a^3 + 591ba^2 - 384b^2a + 36b^3 - 75b)x^3 + (-54a^3 + 153ba^2 - 106b^2a + 8b^3 - 9b)x^2 \\
&+ (-18b^2a + 12b^3)x - 3b^2a + 2b^3)x_1^2x_2^2 \\
&+ 2x(27x^{16} - 216x^{15} + 423x^{14} + 486x^{13} + (96a^2 + 30ba - 66b^2 - 1791)x^{12} + (-546a^2 - 156ba + 390b^2 \\
&- 270)x^{11} + (470a^2 - 38ba - 274b^2 + 2556)x^{10} + (1218a^2 + 1182ba - 1404b^2 + 54)x^9 + (-55a^4 + 100ba^3 \\
&+ (-55b^2 - 672)a^2 + (6b^3 - 926b)a + 964b^2 - 1557)x^8 + (108a^4 - 180ba^3 + (90b^2 - 798)a^2 - 2166ba + 1872b^2 - 162)x^7 + (72a^4 \\
&- 54ba^3 + (-22b^2 + 90)a^2 + (4b^3 + 1158b)a + 8b^4 - 804b^2 + 333)x^6 + (-60a^4 - 132ba^3 + (240b^2 + 126)a^2 + (-36b^3 \\
&+ 1410b)a - 24b^4 - 1092b^2 + 108)x^5 + (3a^4 - 156ba^3 + (184b^2 + 16)a^2 + (-8b^3 - 184b)a - 24b^4 + 142b^2 + 9)x^4 + (-12a^4 \\
&+ 216ba^3 - 246b^2a^2 + (-24b^3 - 270b)a + 48b^4 + 234b^2)x^3 + (-20a^4 + 110ba^3 - 98b^2a^2 + (-20b^3 - 40b)a + 24b^4 \\
&+ 38b^2)x^2 + (-36b^2a^2 + 60b^3a - 24b^4)x - 9b^2a^2 + 18b^3a - 8b^4)x_1x_2^2 \\
&+ 4x^2(x-1)(x+1)(x^2 - 3x - 1)((9a - 18b)x^{12} + (-54a + 108b)x^{11} + (45a - 90b)x^{10} + (162a - 324b)x^9 \\
&+ (26a^3 - 12ba^2 + (-30b^2 - 108)a + 8b^3 + 216b)x^8 + (-78a^3 + 36ba^2 + (90b^2 - 162)a - 24b^3 + 324b)x^7 \\
&+ (-52a^3 - 2ba^2 + (98b^2 + 45)a - 24b^3 - 90b)x^6 + (78a^3 + 42ba^2 + (-204b^2 + 54)a + 48b^3 - 108b)x^5 + (-11a^5 + 46ba^4 \\
&+ (-63b^2 + 26)a^3 + (34b^3 + 40b)a^2 + (-8b^4 - 106b^2 + 9)a + 24b^3 - 18b)x^4 + (-78ba^2 + 114b^2a - 24b^3)x^3 + (8a^5 \\
&- 38ba^4 + 62b^2a^3 + (-42b^3 - 26b)a^2 + (12b^4 + 38b^2)a - 8b^3)x^2 - 3b^2a^3 + 8b^3a^2 - 4b^4a)x_2^2 \\
&- 12(a-b)^2(3x^2 - 1)^2(3x^2 - 6x - 1)x_1^5x_2 \\
&+ 2x((27a + 27b)x^9 + (-36a - 36b)x^8 + (45a - 36b)x^7 + (-192a^3 + 564ba^2 + (-564b^2 - 72)a + 192b^3 + 90b)x^6 \\
&+ (438a^3 - 1398ba^2 + (1488b^2 + 9)a - 528b^3 - 18b)x^5 + (484a^3 - 1280ba^2 + (1100b^2 - 36)a - 304b^3 + 72b)x^4 \\
&+ (-804a^3 + 2004ba^2 + (-1584b^2 - 9)a + 384b^3 + 36b)x^3 + (-248a^3 + 676ba^2 - 556b^2a + 128b^3 - 54b)x^2 + (198a^3 \\
&- 534ba^2 + 384b^2a - 48b^3 - 9b)x + 36a^3 - 104ba^2 + 84b^2a - 16b^3)x_1^4x_2 \\
&+ 2(81x^{15} - 432x^{14} + 378x^{13} + (-198a^2 - 36ba + 162b^2 + 648)x^{12} + (1056a^2 + 114ba - 942b^2 - 351)x^{11} \\
&+ (-969a^2 + 399ba + 720b^2 + 216)x^{10} + (-1350a^2 - 2094ba + 2748b^2 - 405)x^9 + (103a^4 - 160ba^3 + (13b^2 + 534)a^2 \\
&+ (66b^3 + 1725b)a - 12b^4 - 1734b^2 - 648)x^8 + (-162a^4 + 84ba^3 + (300b^2 + 60)a^2 + (-288b^3 + 3582b)a + 48b^4 \\
&- 2880b^2 + 270)x^7 + (32a^4 - 378ba^3 + (652b^2 + 363)a^2 + (-312b^3 - 1833b)a + 990b^2 + 216)x^6 + (-186a^4 + 1122ba^3 \\
&+ (-1662b^2 + 162)a^2 + (708b^3 - 1938b)a + 24b^4 + 1284b^2 + 27)x^5 + (-175a^4 + 740ba^3 + (-878b^2 + 18)a^2 + (284b^3 \\
&+ 279b)a + 40b^4 - 108b^2)x^4 + (204a^4 - 690ba^3 + 660b^2a^2 + (-96b^3 + 336b)a - 96b^4 - 210b^2)x^3 + (48a^4 - 194ba^3 \\
&+ 204b^2a^2 + (-24b^3 + 42b)a - 32b^4 - 30b^2)x^2 + (54b^2a^2 - 84b^3a + 24b^4)x + 9b^2a^2 - 14b^3a + 4b^4)x_1^3x_2 \\
&- 2x((162a - 54b)x^{16} + (-1305a + 504b)x^{15} + (2646a - 1278b)x^{14} + (2754a - 540b)x^{13} + (206a^3 \\
&- 186ba^2 + (-276b^2 - 11178)a + 116b^3 + 4446b)x^{12} + (-1152a^3 + 1146ba^2 + (1578b^2 - 1341)a - 720b^3 + 36b)x^{11} \\
&+ (832a^3 - 1442ba^2 + (-760b^2 + 15552)a + 596b^3 - 5112b)x^{10} + (3522a^3 - 732ba^2 + (-7272b^2 + 549)a + 2484b^3 \\
&- 612b)x^9 + (-102a^5 + 356ba^4 + (-514b^2 - 2218)a^3 + (316b^3 - 2b)a^2 + (-72b^4 + 5364b^2 - 8910)a + 8b^5 - 1784b^3 \\
&+ 2250b)x^8 + (237a^5 - 906ba^4 + (1395b^2 - 2856)a^3 + (-912b^3 - 3204b)a^2 + (216b^4 + 11220b^2 - 1242)a - 24b^5 \\
&- 3096b^3 + 756b)x^7 + (268a^5 - 880ba^4 + (1168b^2 + 578)a^3 + (-720b^3 + 3012b)a^2 + (208b^4 - 5388b^2 + 1674)a - 32b^5 \\
&+ 1196b^3 - 234b)x^6 + (-429a^5 + 1332ba^4 + (-1767b^2 + 534)a^3 + (1176b^3 + 3612b)a^2 + (-408b^4 - 6936b^2 + 585)a \\
&+ 72b^5 + 1584b^3 - 144b)x^5 + (-166a^5 + 488ba^4 + (-656b^2 + 62)a^3 + (520b^3 - 760b)a^2 + (-240b^4 + 832b^2 + 54)a \\
&+ 48b^5 - 8b^3 - 18b)x^4 + (162a^5 - 354ba^4 + 357b^2a^3 + (-408b^3 - 822b)a^2 + (312b^4 + 1410b^2)a - 72b^5 - 216b^3)x^3 \\
&+ (16a^5 - 4ba^4 + 32b^2a^3 + (-160b^3 - 118b)a^2 + (144b^4 + 228b^2)a - 32b^5 - 112b^3)x^2 + (-57b^2a^3 + 144b^3a^2 \\
&- 120b^4a + 24b^5 - 36b^3)x - 14b^2a^3 + 44b^3a^2 - 40b^4a + 8b^5 - 4b^3)x_1^2x_2 \\
&- 2x^2((9a^2 - 72ba + 72b^2)x^{16} + (-111a^2 + 606ba - 660b^2)x^{15} + (369a^2 - 1176ba + 1560b^2)x^{14} \\
&+ (-30a^2 - 2304ba + 1452b^2)x^{13} + (-82a^4 - 86ba^3 + (20b^2 - 1077)a^2 + (48b^3 + 8040b)a + 24b^4 - 7416b^2)x^{12} + (390a^4 \\
&+ 438ba^3 + (-96b^2 - 387)a^2 + (-288b^3 + 1698b)a - 144b^4 - 924b^2)x^{11} + (-340a^4 + 54ba^3 + (164b^2 + 2310)a^2 \\
&+ (208b^3 - 16188b)a + 72b^4 + 12600b^2)x^{10} + (30a^4 - 2880ba^3 + (-492b^2 + 291)a^2 + (1068b^3 - 354b)a + 720b^4 \\
&+ 864b^2)x^9 + (23a^6 - 34ba^5 + (-35b^2 - 444)a^4 + (64b^3 + 2360b)a^3 + (-12b^4 + 412b^2 - 2853)a^2 + (-796b^3 + 13164b)a \\
&- 504b^4 - 9960b^2)x^8 + (-27a^6 - 36ba^5 + (237b^2 - 966)a^4 + (-246b^3 + 3948b)a^3 + (48b^4 + 2460b^2 - 258)a^2 \\
&+ (-1320b^3 + 1800b)a - 1440b^4 - 1668b^2)x^7 + (-20a^6 - 106ba^5 + (408b^2 + 400)a^4 + (-360b^3 - 1528b)a^3 + (64b^4 \\
&- 1844b^2 + 1185)a^2 + (540b^3 - 3612b)a + 816b^4 + 3528b^2)x^6 + (3a^6 + 390ba^5 + (-1119b^2 + 546)a^4 + (918b^3 \\
&- 1296b)a^3 + (-168b^4 - 3060b^2 + 495)a^2 + (432b^3 - 1446b)a + 1440b^4 + 1140b^2)x^5 + (-17a^6 + 266ba^5 + (-658b^2 \\
&+ 106)a^4 + (528b^3 - 318b)a^3 + (-104b^4 + 1048b^2 + 57)a^2 + (212b^3 - 156b)a - 504b^4 - 360b^2)x^4 + (12a^6 - 270ba^5 \\
&+ 735b^2a^4 + (-642b^3 - 210b)a^3 + (144b^4 + 1188b^2)a^2 + 264b^3a - 720b^4 - 204b^2)x^3 + (14a^6 - 126ba^5 + 288b^2a^4 \\
&+ (-248b^3 - 50b)a^3 + (64b^4 + 200b^2)a^2 - 188b^3a + 72b^4 - 24b^2)x^2 + (3b^2a^4 + 18b^3a^3 - 24b^4a^2 - 156b^3a + 144b^4)x - 3b^2a^4
\end{aligned}
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\begin{aligned}
&+ 16b^3a^3 - 12b^4a^2 - 24b^3a + 24b^4)x_1x_2 \\
&- 4x^3(x-1)(x+1)(x^2-3x-1)((18a+18b)x^{16} + (-162a-162b)x^{15} + (396a+378b)x^{14} + (162a \\
&+ 324b)x^{13} + (-17a^3 + 87ba^2 - 1278a + 4b^3 - 1674b)x^{12} + (102a^3 - 522ba^2 - 24b^3 - 162b)x^{11} + (-69a^3 + 439ba^2 \\
&+ (-16b^2 + 1278)a + 16b^3 + 2556b)x^{10} + (-402a^3 + 1542ba^2 + (96b^2 + 162)a + 96b^3 + 162b)x^9 + (-34a^5 + 54ba^4 \\
&+ (42b^2 + 300)a^3 + (-34b^3 - 1020b)a^2 + (12b^4 - 80b^2 - 396)a - 68b^3 - 1674b)x^8 + (102a^5 - 162ba^4 + (-126b^2 \\
&+ 498)a^3 + (102b^3 - 1518b)a^2 + (-36b^4 - 288b^2 - 162)a - 144b^3 - 324b)x^7 + (58a^5 - 72ba^4 + (-150b^2 - 181)a^3 \\
&+ (112b^3 + 411b)a^2 + (-48b^4 + 192b^2 - 18)a + 68b^3 + 378b)x^6 + (-72a^5 + 54ba^4 + (324b^2 - 198)a^3 + (-234b^3 \\
&+ 498b)a^2 + (108b^4 + 288b^2)a + 96b^3 + 162b)x^5 + (3a^7 - 25ba^6 + (59b^2 - 24)a^5 + (-51b^3 - 6b)a^4 + (20b^4 + 174b^2 \\
&- 33)a^3 + (-4b^5 - 132b^3 + 83b)a^2 + (72b^4 - 80b^2)a - 16b^3 + 18b)x^4 + (72ba^4 - 198b^2a^3 + 162b^3a^2 \\
&+ (-108b^4 - 96b^2)a - 24b^3)x^3 + (-2a^7 + 18ba^6 - 48b^2a^5 + (54b^3 + 24b)a^4 + (-32b^4 - 66b^2)a^3 + (8b^5 + 64b^3)a^2 \\
&+ (-48b^4 - 16b^2)a - 4b^3)x^2 + (-30b^3a^2 + 36b^4a)x + b^2a^5 - 7b^3a^4 + 12b^4a^3 + (-4b^5 - 10b^3)a^2 + 12b^4a)x_2 \\
&+ 8(a-b)^3(3x^2-1)^2(3x^2-6x-1)x_1^6 \\
&+ 2x(27x^{11} + (-54a^2 + 54b^2 + 81)x^9 + (72a^2 - 72b^2)x^8 + (-90a^2 + 162ba - 72b^2 + 81)x^7 + (12a^4 - 72ba^3 \\
&+ (156b^2 + 144)a^2 + (-144b^3 - 324b)a + 48b^4 + 180b^2)x^6 + (-42a^4 + 288ba^3 + (-618b^2 - 18)a^2 + (540b^3 + 54b)a \\
&- 168b^4 - 36b^2 + 27)x^5 + (-184a^4 + 624ba^3 + (-760b^2 + 72)a^2 + (384b^3 - 216b)a - 64b^4 + 144b^2)x^4 + (348a^4 \\
&- 1104ba^3 + (1212b^2 + 18)a^2 + (-504b^3 - 90b)a + 48b^4 + 72b^2)x^3 + (108a^4 - 392ba^3 + 476b^2a^2 + (-208b^3 + 108b)a \\
&+ 16b^4 - 108b^2)x^2 + (-90a^4 + 336ba^3 - 378b^2a^2 + (108b^3 + 18b)a + 24b^4 - 18b^2)x - 16a^4 + 64ba^3 - 80b^2a^2 + 32b^3a)x_1^5 \\
&- 4((81a-81b)x^{15} + (-405a+459b)x^{14} + (324a-459b)x^{13} + (-109a^3 + 69ba^2 + (105b^2 + 648)a - 73b^3 \\
&- 648b)x^{12} + (543a^3 - 429ba^2 + (-534b^2 - 351)a + 438b^3 + 270b)x^{11} + (-471a^3 + 705ba^2 + (144b^2 + 162)a - 384b^3 \\
&- 270b)x^{10} + (-744a^3 - 435ba^2 + (2376b^2 - 243)a - 1236b^3 + 486b)x^9 + (53a^5 - 169ba^4 + (213b^2 + 369)a^3 + (-129b^3 \\
&+ 522b)a^2 + (40b^4 - 1647b^2 - 648)a - 8b^5 + 747b^3 + 648b)x^8 + (-102a^5 + 324ba^4 + (-432b^2 - 21)a^3 + (306b^3 \\
&+ 2001b)a^2 + (-120b^4 - 3192b^2 + 378)a + 24b^5 + 1260b^3 - 189b)x^7 + (-80a^5 + 236ba^4 + (-250b^2 + 263)a^3 + (130b^3 \\
&- 1377b)a^2 + (-60b^4 + 1431b^2 + 243)a + 24b^5 - 358b^3 - 189b)x^6 + (114a^5 - 264ba^4 + (144b^2 + 114)a^3 + (6b^3 \\
&- 1245b)a^2 + (48b^4 + 1656b^2 + 27)a - 48b^5 - 576b^3 - 27b)x^5 + (7a^5 + 21ba^4 + (-64b^2 + 12)a^3 + (24b^3 + 201b)a^2 + (36b^4 \\
&- 282b^2)a - 24b^5 + 87b^3)x^4 + (12a^5 - 48ba^4 + 42b^2a^3 + (18b^3 + 204b)a^2 + (-48b^4 - 306b^2)a + 24b^5 + 126b^3)x^3 + (4a^5 \\
&- 24ba^4 + 34b^2a^3 + (-2b^3 + 24b)a^2 + (-20b^4 - 39b^2)a + 8b^5 - 18b^3)x^2 + (18b^2a^3 - 42b^3a^2 + 24b^4a - 12b^3)x + 3b^2a^3 \\
&- 7b^3a^2 + 4b^4a - b^3)x_1^4 \\
&+ 2x((234a^2 - 180ba + 18b^2)x^{16} + (-1674a^2 + 1386ba - 126b^2)x^{15} + (2844a^2 - 2520ba + 162b^2)x^{14} \\
&+ (4131a^2 - 3924ba + 612b^2)x^{13} + (-12a^4 - 156ba^3 + (-12b^2 - 12888)a^2 + (132b^3 + 13212b)a - 1422b^2)x^{12} + (30a^4 \\
&+ 894ba^3 + (48b^2 - 3195)a^2 + (-816b^3 + 1818b)a - 954b^2)x^{11} + (-290a^4 - 438ba^3 + (288b^2 + 20628)a^2 + (508b^3 \\
&- 21168b)a + 3762b^2)x^{10} + (1986a^4 - 3840ba^3 + (-2328b^2 - 153)a^2 + (3852b^3 - 198b)a + 432b^2)x^9 + (6a^6 + 16ba^5 \\
&+ (-142b^2 - 1542)a^4 + (196b^3 + 2892b)a^3 + (-80b^4 + 1988b^2 - 13914)a^2 + (-3136b^3 + 13572b)a - 4626b^2)x^8 + (3a^6 - 168ba^5 \\
&+ (609b^2 - 2682)a^4 + (-714b^3 + 2856b)a^3 + (276b^4 + 6312b^2 - 639)a^2 + (-5880b^3 + 1980b)a - 18b^2)x^7 + (70a^6 \\
&- 368ba^5 + (786b^2 + 1060)a^4 + (-744b^3 - 118b)a^3 + (272b^4 - 4028b^2 + 3024)a^2 + (-16b^5 + 2748b^3 - 2808b)a \\
&+ 2718b^2)x^6 + (-135a^6 + 702ba^5 + (-1533b^2 + 738)a^4 + (1506b^3 + 504b)a^3 + (-588b^4 - 5160b^2 + 882)a^2 + (48b^5 \\
&+ 3360b^3 - 1062b)a + 252b^2)x^5 + (-84a^6 + 392ba^5 + (-750b^2 + 84)a^4 + (696b^3 - 544b)a^3 + (-304b^4 + 712b^2 + 72)a^2 \\
&+ (48b^5 + 56b^3 - 108b)a - 594b^2)x^4 + (108a^6 - 378ba^5 + 531b^2a^4 + (-462b^3 - 366b)a^3 + (300b^4 + 1128b^2)a^2 \\
&+ (-96b^5 - 408b^3)a - 198b^2)x^3 + (16a^6 - 56ba^5 + 110b^2a^4 + (-168b^3 - 52b)a^3 + (144b^4 + 188b^2)a^2 + (-48b^5 - 296b^3)a - 18b^2)x^2 \\
&+ (-15b^2a^4 + 54b^3a^3 - 84b^4a^2 + (48b^5 - 108b^3)a)x - 4b^2a^4 + 20b^3a^3 - 32b^4a^2 + (16b^5 - 12b^3)a)x_1^3 \\
&+ 4x^2((27a+27b)x^{20} + (-324a-324b)x^{19} + (1323a+1242b)x^{18} + (-1620a-648b)x^{17} + (-88a^3 + 87ba^2 \\
&+ (-3b^2 - 1944)a - 52b^3 - 5805b)x^{16} + (624a^3 - 759ba^2 + (3b^2 + 4212)a + 468b^3 + 7776b)x^{15} + (-948a^3 + 1734ba^2 + (-21b^2 + 594)a \\
&- 1056b^3 + 11610b)x^{14} + (-2085a^3 + 1323ba^2 + 690b^2a - 1260b^3 - 17820b)x^{13} + (-82a^5 + 78ba^4 + (54b^2 + 5679)a^3 \\
&+ (-74b^3 - 7059b)a^2 + (28b^4 - 2169b^2 + 594)a - 4b^5 + 5592b^3 - 14148b)x^{12} + (405a^5 - 483ba^4 + (-264b^2 + 1242)a^3 + (432b^3 \\
&+ 174b)a^2 + (-168b^4 - 687b^2 - 4212)a + 24b^5 + 1116b^3 + 17820b)x^{11} + (-226a^5 + 632ba^4 + (-77b^2 - 9802)a^3 \\
&+ (-279b^3 + 7806b)a^2 + (80b^4 + 6945b^2 - 1944)a - 12b^5 - 10732b^3 + 11610b)x^{10} + (-1059a^5 + 222ba^4 + (1926b^2 \\
&+ 285)a^3 + (-1692b^3 + 642b)a^2 + (864b^4 + 108b^2 + 1620)a - 120b^5 - 792b^3 - 7776b)x^9 + (13a^7 - 54ba^6 + (95b^2 \\
&+ 575)a^5 + (-88b^3 + 131b)a^4 + (44b^4 - 1573b^2 + 6204)a^3 + (-12b^5 + 1202b^3 - 1833b)a^2 + (-612b^4 - 7545b^2 \\
&+ 1323)a + 84b^5 + 9948b^3 - 5805b)x^8 + (-24a^7 + 108ba^6 + (-222b^2 + 711)a^5 + (234b^3 + 1314b)a^4 \\
&+ (-132b^4 - 3066b^2 + 654)a^3 + (36b^5 + 2292b^3 - 1143b)a^2 + (-1728b^4 - 1095b^2 + 324)a + 240b^5 + 1260b^3 + 648b)x^7 + (-32a^7 \\
&+ 116ba^6 + (-168b^2 - 231)a^5 + (142b^3 - 1090b)a^4 + (-96b^4 + 1445b^2 - 1026)a^3 + (40b^5 - 930b^3 - 708b)a^2 + (980b^4 \\
&+ 3033b^2 + 27)a - 136b^5 - 4440b^3 + 1242b)x^6 + (51a^7 - 150ba^6 + (153b^2 - 105)a^5 + (-120b^3 - 1206b)a^4 + (144b^4 \\
&+ 1386b^2 - 288)a^3 + (-84b^5 - 1308b^3 - 237b)a^2 + (1680b^4 + 1146b^2)a - 240b^5 - 1116b^3 + 324b)x^5 + (19a^7 - 42ba^6 \\
&+ 12b^2a^5 + (-6b^3 + 165b)a^4 + (64b^4 + 139b^2 - 19)a^3 + (-48b^5 + 162b^3 - 27b)a^2 + (-560b^4 - 219b^2)a + 84b^5 + 704b^3 \\
&+ 27b)x^4 + (-24a^7 + 42ba^6 + 48b^2a^5 + (-90b^3 + 153b)a^4 + (-36b^4 + 18b^2)a^3 + (60b^5 + 348b^3)a^2
\end{aligned}
$$

$$+ (-792b^4 - 165b^2)a + 120b^5 + 324b^3)x^3 + (-2a^7 - 12ba^6 + 52b^2a^5 + (-46b^3 + 12b)a^4 + (-16b^4 + 12b^2)a^3 + (24b^5 - 71b^3)a^2$$
$$+ (60b^4 - 21b^2)a - 12b^5 + 36b^3)x^2 + (9b^2a^5 - 24b^3a^4 + 24b^4a^3 + (-12b^5 - 72b^3)a^2 + 144b^4a - 24b^5)x + b^2a^5$$
$$- 2b^3a^4 + 4b^4a^3 + (-4b^5 - 10b^3)a^2 + 24b^4a - 4b^5)x_1^2$$
$$+ 2x^3(54x^{24} - 810x^{23} + 4374x^{22} - 8100x^{21} + (72a^2 - 72b^2 - 10206)x^{20} + (-864a^2 + 864b^2 + 51678)x^{19}$$
$$+ (3276a^2 - 72ba - 3312b^2 - 11826)x^{18} + (-1296a^2 + 864ba + 1728b^2 - 120852)x^{17} + (48a^4 + 108ba^3$$
$$+ (-186b^2 - 17280)a^2 - 3384ba - 24b^4 + 15480b^2 + 55404)x^{16} + (-351a^4 - 972ba^3 + (1674b^2 + 23328)a^2 + 2592ba + 216b^4 - 20736b^2$$
$$+ 156168)x^{15} + (470a^4 + 2088ba^3 + (-3896b^2 + 31824)a^2 + (16b^3 + 12096b)a - 464b^4 - 30960b^2 - 55404)x^{14} + (1818a^4$$
$$+ 3564ba^3 + (-3438b^2 - 51408)a^2 + (-144b^3 - 18144b)a - 792b^4 + 47520b^2 - 120852)x^{13} + (32a^6 + 84ba^5$$
$$+ (-48b^2 - 4788)a^4 + (-76b^3 - 13956b)a^3 + (24b^4 + 17548b^2 - 34200)a^2 + (336b^3 - 18864b)a + 3056b^4 + 37728b^2$$
$$+ 11826)x^{12} + (-114a^6 - 486ba^5 + (252b^2 - 99)a^4 + (480b^3 - 3024b)a^3 + (-144b^4 + 1494b^2 + 40176)a^2 + (288b^3$$
$$+ 29376b)a + 1080b^4 - 47520b^2 + 51678)x^{11} + (2a^6 + 190ba^5 + (-168b^2 + 6980)a^4 + (-340b^3 + 29220b)a^3 + (88b^4$$
$$- 26462b^2 + 25056)a^2 + (-1488b^3 + 18864b)a - 7464b^4 - 30960b^2 + 10206)x^{10} + (66a^6 + 2496ba^5 + (-576b^2$$
$$+ 153)a^4 + (-2112b^3 + 972b)a^3 + (624b^4 - 1404b^2 - 7776)a^2 + (-144b^3 - 18144b)a - 864b^4 + 20736b^2 - 8100)x^9$$
$$+ (-6a^8 + 8ba^7 + (30b^2 + 20)a^6 + (-60b^3 - 1966b)a^5 + (32b^4 + 432b^2 - 2600)a^4 + (1580b^3 - 25128b)a^3 + (-424b^4$$
$$+ 15878b^2 - 8568)a^2 + (2272b^3 - 12096b)a + 9400b^4 + 15480b^2 - 4374)x^8 + (9a^8 + 18ba^7 + (-153b^2 + 138)a^6$$
$$+ (216b^3 - 3204b)a^5 + (-108b^4 - 648b^2 - 558)a^4 + (3648b^3 - 3564b)a^3 + (-1152b^4 + 3438b^2 - 2160)a^2 + (144b^3$$
$$+ 2592b)a + 936b^4 - 1728b^2 - 810)x^7 + (10a^8 + 20ba^7 + (-186b^2 + 6)a^6 + (284b^3 + 1098b)a^5 + (-152b^4 + 964b^2$$
$$- 90)a^4 + (16b^5 - 1936b^3 + 7332b)a^3 + (624b^4 - 1996b^2 - 180)a^2 + (-1488b^3 + 3384b)a - 6496b^4 - 3312b^2 - 54)x^6$$
$$+ (-15a^8 - 72ba^7 + (459b^2 - 90)a^6 + (-684b^3 + 1152b)a^5 + (372b^4 + 1920b^2 - 99)a^4 + (-48b^5 - 2880b^3 + 3024b)a^3$$
$$+ (1152b^4 - 1494b^2)a^2 + (-288b^3 + 864b)a - 1080b^4 - 864b^2)x^5 + (-4a^8 - 52ba^7 + (258b^2 - 24)a^6 + (-380b^3$$
$$+ 146b)a^5 + (232b^4 - 872b^2 - 20)a^4 + (-48b^5 + 580b^3 + 336b)a^3 + (-424b^4 - 856b^2)a^2 + (336b^3 + 72b)a + 2304b^4$$
$$- 72b^2)x^4 + (6a^8 + 42ba^7 - 255b^2a^6 + (432b^3 + 42b)a^5 + (-324b^4 - 948b^2)a^4 + (96b^5 + 864b^3)a^3$$
$$+ (-624b^4 - 270b^2)a^2 + 144b^3a + 648b^4)x^3 + (24ba^7 - 102b^2a^6 + (164b^3 + 16b)a^5 + (-136b^4 - 164b^2)a^4 + (48b^5 + 196b^3)a^3$$
$$+ (88b^4 - 30b^2)a^2 + 16b^3a - 296b^4)x^2 + (-3b^2a^6 - 12b^3a^5 + 60b^4a^4 - 48b^5a^3 + 144b^4a^2 - 144b^4)x - 8b^3a^5$$
$$+ 24b^4a^4 + (-16b^5 - 4b^3)a^3 + 24b^4a^2 - 16b^4)x_1$$
$$- 4x^4(x-1)(x+1)(x^2 - 3x - 1)(x^4 - 3x^3 - 2x^2 + 3x + a^2 + 1)(x^4 - 3x^3 - x^2 + ba)(27ax^{12} - 162ax^{11} + 135ax^{10}$$
$$+ 486ax^9 + (26a^3 + 6ba^2 + (-12b^2 - 324)a + 8b^3)x^8 + (-78a^3 - 18ba^2 + (36b^2 - 486)a - 24b^3)x^7 + (-44a^3 - 30ba^2$$
$$+ (36b^2 + 135)a - 32b^3)x^6 + (54a^3 + 72ba^2 + (-72b^2 + 162)a + 72b^3)x^5 + (-3a^5 + 14ba^4 + (-21b^2 + 18)a^3 + (12b^3$$
$$+ 42b)a^2 + (-4b^4 - 36b^2 + 27)a + 48b^3)x^4 + (-54ba^2 + 36b^2a - 72b^3)x^3 + (2a^5 - 10ba^4 + 18b^2a^3 + (-16b^3 - 18b)a^2$$
$$+ (8b^4 + 12b^2)a - 32b^3)x^2 + 24b^3x - b^2a^3 + 4b^3a^2 - 4b^4a + 8b^3),$$
$$(x^2 + z - 1)^2x_2 - 2x(x-1)(x+1)x_1^2 - 2(((3a-b)z - a)x^2 + (a-b)z^2 + (-2a+b)z + a)x_1$$
$$+ x(x^8 - 3x^7 + (3z-4)x^6 + (-9z+9)x^5 + (3z^2 - 9z + a^2 + 6)x^4 + (-9z^2 + 18z - 9)x^3 + (z^3 - 6z^2 + (4a^2 - 2ba + 9)z$$
$$- 2a^2 - 4)x^2 + (-3z^3 + 9z^2 - 9z + 3)x - z^3 + (a^2 - 2ba + 3)z^2 + (-2a^2 + 2ba - 3)z + a^2 + 1),$$
$$x_1 - (yx^2 + ax + (z-1)y),$$

$$x_2 + (x^5 - 3x^4 + (-2y^2 + z - 2)x^3 + (-4ay - 3z + 3)x^2 + (2y^2 - z - a^2 + 1)x + ((-2a + 2b)z + 2a)y),$$
$$x_3 + (9yx^6 + (-24y + 9a)x^5 + (-6y^3 + (6z - 19)y - 24a)x^4 + (-18ay^2 + (-12z + 30)y + (5a - 4b)z - 12a)x^3 + ((-6z$$
$$+ 8)y^3 + (3z^2 - 8z - 13a^2 + 11)y + (-12a + 12b)z + 12a)x^2 + (((-4a - 4b)z + 14a)y^2 + (-6z^2 + 12z - 6)y + (-3a + 4b)z$$
$$- a^3 + 3a)x + (2z - 2)y^3 + (-z^2 + (-3a^2 + 6ba - 4b^2 + 2)z + 3a^2 - 1)y)$$
$$- --$$

$$y_2 + (3yx^4 + (-6y + 4a)x^3 + ((3z - 4)y - 9a)x^2 + ((-6z + 6)y - 2a)x + (-z - a^2 + 1)y),$$
$$y_3 - (3x^7 - 15x^6 + (-12y^2 + 3z + 11)x^5 + (18y^2 - 27ay - 15z + 24)x^4 + ((-12z + 20)y^2 + 42ay + 14z - 13a^2 - 13)x^3$$
$$+ ((12z - 24)y^2 + ((-21a + 6b)z + 26a)y + 9z + 21a^2 - 9)x^2 + ((-6z^2 + 12z - 8)y^2 + ((30a - 12b)z - 30a)y + z + 3a^2$$
$$- 1)x + (6z^2 - 12z + 6)y^2 + ((3a - 2b)z + a^3 - 3a)y)$$
$$- --$$

$$
\begin{aligned}
&256z^{10}(z-1)^2z_3^6-512z^9(z-1)(3z-2)z_1z_2z_3^5-1024(8a-7b)z^{10}(z-1)^2z_2z_3^5\\
&+256z^8(z-1)(3z-2)z_1^3z_3^5+512z^9(z-1)((5a-4b)z-3a+2b)z_1^2z_3^5\\
&-256z^{10}(z-1)(3z^2+(-40a^2+96ba-44b^2-136)z+40a^2-104ba+48b^2+133)z_1z_3^5\\
&-512z^{11}(z-1)^2(3bz-40ba^2+(52b^2+130)a-16b^3-133b)z_3^5+256z^8(3z-2)^2z_1^2z_2^2z_3^4\\
&+1024(14a-13b)z^9(z-1)(3z-2)z_1z_2^2z_3^4+1024(106a^2-184ba+79b^2)z^{10}(z-1)^2z_2^2z_3^4\\
&-256z^7(3z-2)^2z_1^4z_2z_3^4-512z^8(3z-2)((19a-17b)z-17a+15b)z_1^3z_2z_3^4\\
&-256z^9(36z^4-69z^3+(496a^2-1060ba+484b^2+957)z^2+(-808a^2+1736ba-784b^2-1591)z+312a^2\\
&-668ba+296b^2+667)z_1^2z_2z_3^4\\
&-512z^{10}(z-1)(72bz^3+(-116a-23b)z^2+(528a^3-1488ba^2+(1324b^2+774)a-380b^3-450b)z-528a^3\\
&+1672ba^2+(-1584b^2-918)a+464b^3+661b)z_1z_2z_3^4\\
&-2048z^{11}(z-1)^2(18b^2z^2+(-58ba+23b^2)z+264ba^3+(-568b^2-753)a^2+(394b^3+1434b)a-88b^4-664b^2)z_2z_3^4\\
&+64z^6(3z-2)^2z_1^6z_3^4+256z^7(3z-2)((5a-4b)z-3a+2b)z_1^5z_3^4\\
&-64z^8(144z^4-573z^3+(-532a^2+1312ba-616b^2-1083)z^2+(840a^2-2144ba+1008b^2+2781)z-324a^2+848ba-400b^2-1269)z_1^4z_3^4\\
&+256z^9((108a-396b)z^4+(-266a+1309b)z^3+(360a^3-1032ba^2+(928b^2+687)a-272b^3-1812b)z^2\\
&+(-576a^3+1648ba^2+(-1440b^2-748)a+408b^3+1029b)z+216a^3-600ba^2+(488b^2+219)a-128b^3-130b)z_1^3z_3^4\\
&+256z^{10}((648ba-1368b^2-99)z^4+(-465a^2-702ba+3984b^2-1541)z^3+(656a^4-2352ba^3+(3272b^2\\
&+1851)a^2+(-1952b^3-3450b)a+420b^4-3162b^2+5230)z^2+(-1312a^4+5280ba^3+(-8144b^2-3347)a^2+(5184b^3\\
&+9534b)a-1152b^4-1708b^2-5441)z+656a^4-2928ba^3+(4888b^2+1961)a^2+(-3248b^3-6030b)a+736b^4\\
&+2254b^2+1851)z_1^2z_3^4\\
&+512z^{11}(z-1)((648b^2a-936b^3-198b)z^3+(-930ba^2+(376b^2+1937)a+1582b^3-3280b)z^2\\
&+(1312ba^4+(-4752b^2-3424)a^3+(5744b^3+15860b)a^2+(-2872b^4-16966b^2-3900)a+512b^5+3878b^3+7180b)z\\
&-1312ba^4+(5040b^2+3424)a^3+(-6288b^3-15970b)a^2+(3200b^4+17502b^2+1963)a-576b^5-5044b^3-3702b)z_1z_3^4\\
&+1024z^{12}(z-1)^2((216b^3a-216b^4-99b^2)z^2+(-465b^2a^2+(330b^3+1937b)a+147b^4-1739b^2)z\\
&+656b^2a^4+(-1680b^3-3424b)a^3+(1572b^4+7985b^2+13)a^2+(-640b^5-5834b^3-1963b)a+96b^6+1261b^4+1851b^2)z_3^4\\
&-6144(a-b)z^8(3z-2)^2z_1^2z_2^3z_3^3-12288(a-b)(13a-11b)z^9(z-1)(3z-2)z_1z_2^3z_3^3\\
&-24576(a-b)(31a^2-49ba+19b^2)z^{10}(z-1)^2z_2^3z_3^3+6144(a-b)z^7(3z-2)^2z_1^4z_2^2z_3^3\\
&+64z^8(864z^4-1116z^3+(7776a^2-15552ba+7200b^2+8247)z^2+(-11424a^2+22464ba-10272b^2\\
&-11990)z+4160a^2-8064ba+3648b^2+4515)z_1^3z_2^2z_3^3\\
&+128z^9((1440a+576b)z^4+(-4920a+156b)z^3+(15840a^3-49536ba^2+(47904b^2+32847)a-14592b^3\\
&-25347b)z^2+(-25984a^3+82496ba^2+(-80256b^2-51318)a+24384b^3+43606b)z+10144a^3-32448ba^2+(31584b^2+21431)a-9536b^3-18471b)z_1^2z_2^2z_3^3\\
&+256z^{10}(z-1)((2880ba-1440b^2)z^3+(-3700a^2-896ba+1256b^2)z^2+(11072a^4-35072ba^3\\
&+(40544b^2-1439)a^2+(-20544b^3+15710b)a+3936b^4-11351b^2)z-11072a^4+40768ba^3+(-53760b^2-4829)a^2\\
&+(30400b^3+1202b)a-6272b^4+2607b^2)z_1z_2^2z_3^3\\
&+512z^{11}(z-1)^2((1440b^2a-1152b^3)z^2+(-3700ba^2+4024b^2a-880b^3)z+11072ba^4\\
&+(-33056b^2-27795)a^3+(36096b^3+77117b)a^2+(-17056b^4-69433b^2)a+2944b^5+20379b^3)z_2^2z_3^3\\
&-1536(a-b)z^6(3z-2)^2z_1^6z_2z_3^3\\
&+64z^7(216z^4-1746z^3+(-2592a^2+6048ba-2880b^2-5691)z^2+(3360a^2-7776ba+3648b^2+11148)z\\
&-1088a^2+2496ba-1152b^2-4455)z_1^5z_2z_3^3\\
&-128z^8((432a-2376b)z^4+(1950a+4920b)z^3+(7920a^3-26352ba^2+(26016b^2+15983)a-7968b^3\\
&-20653b)z^2+(-11872a^3+40160ba^2+(-39744b^2-31036)a+12096b^3+28618b)z+4400a^3-15088ba^2+(14976b^2+13191)a-4544b^3-11013b)z_1^4z_2z_3^3\\
&+128z^9(1260z^5+(-6096a^2+13152ba+528b^2-11817)z^4+(22900a^2-64408ba+15496b^2+54547)z^3\\
&+(-22144a^4+88576ba^3+(-130048b^2-64614)a^2+(81408b^3+178928b)a-18432b^4-70792b^2-99879)z^2\\
&+(35840a^4-146688ba^3+(218880b^2+79184)a^2+(-137600b^3-210344b)a+30976b^4+90824b^2+77033)z\\
&-13696a^4+56320ba^3+(-83840b^2-29294)a^2+(52096b^3+76432b)a-11520b^4-32952b^2-21144)z_1^3z_2z_3^3\\
&+256z^{10}(3780bz^5+(-18288ba^2+(38880b^2+8653)a-15696b^3-38207b)z^4+(12236a^3+26080ba^2\\
&+(-113960b^2-15786)a+55424b^3+122129b)z^3+(-13696a^5+46336ba^4+(-50880b^2-706)a^3+(17984b^3-121882b)a^2\\
&+(1952b^4+278416b^2-10020)a-1568b^5-126608b^3-163869b)z^2+(27392a^5-109568ba^4+(163712b^2\\
&-3744)a^3+(-114816b^3+118356b)a^2+(38144b^4-243936b^2+32890)a-4864b^5+109792b^3+95175b)z\\
&-13696a^5+63232ba^4+(-113728b^2-7786)a^3+(98624b^3-2186b)a^2+(-41216b^4+37480b^2-15737)a+6656b^5-21872b^3-19008b)z_1^2z_2z_3^3\\
&+512z^{11}(z-1)(3780b^2z^4+(-18288b^2a^2+(34848b^3+17306b)a-16128b^4-37183b^2)z^3+(24472ba^3\\
&+(-20028b^2-38325)a^2+(-35992b^3+37890b)a+28812b^4+43434b^2)z^2+(-27392ba^5+(114816b^2+62988)a^4\\
&+(-180736b^3-313028b)a^3+(135360b^4+461518b^2+76858)a^2+(-48704b^5-242176b^3-133678b)a+6784b^6+33706b^4\\
&+15333b^2)z+27392ba^5+(-123264b^2-62988)a^4+(204288b^3+320108b)a^3+(-159232b^4-497922b^2-38585)a^2\\
&+(59136b^5+300184b^3+78586b)a-8448b^6-60086b^4-25416b^2)z_1z_2z_3^3
\end{aligned}
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\begin{aligned}
&+ 1024z^{12}(z-1)^2(1260b^3z^3 + (-6096b^3a^2 + (9984b^4 + 8653b^2)a - 4224b^5 - 12053b^3)z^2 + (12236b^2a^3 \\
&+ (-17112b^3 - 38325b)a^2 + (2580b^4 + 53676b^2)a + 2912b^5 - 12331b^3)z - 13696b^2a^5 + (46336b^3 + 62988b)a^4 \\
&+ (-61152b^4 - 201142b^2 - 208)a^3 + (39392b^5 + 229854b^3 + 38897b)a^2 + (-12416b^6 - 110050b^4 - 62849b^2)a + 1536b^7 + 18070b^5 + 23280b^3)z_2z_3^3 \\
&- 16z^6(864z^4 - 3312z^3 + (-1152a^2 + 3456ba - 1728b^2 - 4575)z^2 + (1536a^2 - 4608ba + 2304b^2 + 11010)z \\
&- 512a^2 + 1536ba - 768b^2 - 4523)z_1^7z_3^3 \\
&- 32z^7((144a + 3600b)z^4 + (-4644a - 7236b)z^3 + (-3840a^3 + 13440ba^2 + (-13248b^2 - 7063)a + 4032b^3 \\
&+ 16367b)z^2 + (4864a^3 - 16640ba^2 + (15744b^2 + 16050)a - 4608b^3 - 15150b)z - 1536a^3 + 5120ba^2 \\
&+ (-4608b^2 - 6079)a + 1280b^3 + 3979b)z_1^6z_3^3 \\
&+ 64z^8(432z^6 + 1764z^5 + (480a^2 - 2784ba - 960b^2 - 31815)z^4 + (2496a^2 + 6648ba + 1932b^2 + 75684)z^3 \\
&+ (9344a^4 - 43136ba^3 + (70208b^2 + 27501)a^2 + (-46464b^3 - 90462b)a + 10752b^4 + 37827b^2 - 61828)z^2 \\
&+ (-14080a^4 + 67584ba^3 + (-113920b^2 - 54762)a^2 + (76672b^3 + 157828b)a - 17792b^4 - 72018b^2 + 13544)z + 5248a^4 \\
&- 25984ba^3 + (44992b^2 + 24285)a^2 + (-30720b^3 - 69054b)a + 7168b^4 + 32115b^2 + 2219)z_1^5z_3^3 \\
&+ 128z^9(2160bz^6 + (-4032a + 11808b)z^5 + (5264a^3 - 21840ba^2 + (22464b^2 + 55985)a - 2560b^3 \\
&- 189205b)z^4 + (-21644a^3 + 100868ba^2 + (-118372b^2 - 188657)a + 27640b^3 + 559220b)z^3 + (10240a^5 - 46464ba^4 \\
&+ (78656b^2 + 33753)a^3 + (-65216b^3 - 125151b)a^2 + (27392b^4 + 142301b^2 + 261021)a - 4736b^5 - 35923b^3 \\
&- 679218b)z^2 + (-16384a^5 + 76544ba^4 + (-132224b^2 - 25358)a^3 + (109952b^3 + 50194b)a^2 \\
&+ (-45568b^4 - 35886b^2 - 160891)a + 7680b^5 + 4310b^3 + 368716b)z + 6144a^5 - 28544ba^4 + (47680b^2 + 5905)a^3 + (-36800b^3 + 4249b)a^2 \\
&+ (13696b^4 - 19771b^2 + 36574)a - 2048b^5 + 9589b^3 - 73481b)z_1^4z_3^3 \\
&+ 256z^{10}(4320b^2z^6 + (-16128ba + 27072b^2 + 784)z^5 + (21056ba^3 + (-79968b^2 - 22546)a^2 + (85056b^3 \\
&+ 250602b)a - 20992b^4 - 421268b^2 + 6272)z^4 + (-9176a^4 - 35480ba^3 + (244296b^2 + 73424)a^2 \\
&+ (-308672b^3 - 784666b)a + 87064b^4 + 1279826b^2 - 33136)z^3 + (5632a^6 - 17920ba^5 + (7936b^2 - 2528)a^4 + (28672b^3 + 129612b)a^3 \\
&+ (-42112b^4 - 484114b^2 - 74154)a^2 + (21632b^5 + 555484b^3 + 963722b)a - 3904b^6 - 163959b^4 - 1607802b^2 + 53936)z^2 + (-11264a^6 \\
&+ 48128ba^5 + (-75776b^2 + 9352)a^4 + (54272b^3 - 111824b)a^3 + (-13952b^4 + 328140b^2 + 18064)a^2 \\
&+ (-2304b^5 - 365848b^3 - 496878b)a + 1280b^6 + 112754b^4 + 902830b^2 - 37472)z + 5632a^6 - 30208ba^5 + (69376b^2 + 2352)a^4 \\
&+ (-88064b^3 - 7524b)a^3 + (61824b^4 + 4126b^2 + 5212)a^2 + (-22016b^5 + 23612b^3 + 83348b)a + 3072b^6 - 12283b^4 - 184978b^2 + 9616)z_1^3z_3^3 \\
&+ 512z^{11}(4320b^3z^6 + (-24192b^2a + 28008b^3 + 2352b)z^5 + (31584b^2a^3 + (-104064b^3 - 67638b)a^2 \\
&+ (100464b^4 + 398590b^2 - 10192)a - 27120b^5 - 442796b^3 + 18816b)z^4 + (-27528ba^4 + (-1048b^2 + 46113)a^3 \\
&+ (230440b^3 + 55922b)a^2 + (-296708b^4 - 1075876b^2 + 41184)a + 89540b^5 + 1299366b^3 - 99408b)z^3 + (16896ba^6 \\
&+ (-87808b^2 - 35596)a^5 + (180992b^3 + 267600b)a^4 + (-187136b^4 - 549630b^2 - 138443)a^3 + (102656b^5 + 255302b^3 \\
&+ 260526b)a^2 + (-28480b^6 + 154509b^4 + 1020184b^2 - 62400)a + 3136b^7 - 84905b^5 - 1554234b^3 + 161808b)z^2 \\
&+ (-33792ba^6 + (187904b^2 + 71192)a^5 + (-414208b^3 - 499080b)a^4 + (456192b^4 + 1168516b^2 + 138651)a^3 \\
&+ (-265984b^5 - 1045540b^3 - 418786b)a^2 + (78464b^6 + 321610b^4 - 286556b^2 + 42016)a - 9216b^7 - 17694b^5 + 816426b^3 - 112416b)z + 16896ba^6 \\
&+ (-100096b^2 - 35596)a^5 + (233728b^3 + 259008b)a^4 + (-270336b^4 - 651502b^2 - 46321)a^3 + (164480b^5 + 668022b^3 + 169976b)a^2 \\
&+ (-50432b^6 - 282475b^4 - 32150b^2 - 10608)a + 6144b^7 + 40699b^5 - 151090b^3 + 28848b)z_1^2z_3^3 \\
&+ 1024z^{12}(z-1)(2160b^4z^5 + (-16128b^3a + 15372b^4 + 2352b^2)z^4 + (21056b^3a^3 \\
&+ (-57984b^4 - 67638b^2)a^2 + (48672b^5 + 253186b^3 - 20384b)a - 122256b^6 - 204161b^4 + 21168b^2)z^3 + (-27528b^2a^4 + (38824b^3 \\
&+ 92226b)a^3 + (46200b^4 - 99416b^2 - 208)a^2 + (-80760b^5 - 372516b^3 + 61984b)a + 25180b^6 + 413553b^4 - 78240b^2)z^2 \\
&+ (16896b^2a^6 + (-80896b^3 - 71192b)a^5 + (149888b^4 + 389280b^2 + 208)a^4 + (-140160b^5 - 696868b^3 - 185596b)a^3 \\
&+ (70592b^6 + 508465b^4 + 414564b^2 + 416)a^2 + (-18304b^7 - 139294b^5 + 30434b^3 - 62816b)a + 1920b^8 + 7921b^6 \\
&- 279241b^4 + 83568b^2)z - 16896b^2a^6 + (84992b^3 + 71192b)a^5 + (-163200b^4 - 384984b^2 - 208)a^4 + (157056b^5 \\
&+ 702524b^3 + 93474b)a^3 + (-81088b^6 - 563865b^4 - 247770b^2 - 208)a^2 + (21504b^7 + 201030b^5 + 105232b^3 \\
&+ 21216b)a - 2304b^8 - 25613b^6 + 52265b^4 - 28848b^2)z_1z_3^3 \\
&+ 2048bz^{13}(z-1)^2(432b^4z^4 + (-4032b^3a + 3096b^4 + 784b^2)z^3 + (5264b^3a^3 + (-11568b^4 - 22546b^2)a^2 \\
&+ (8160b^5 + 57277b^3 - 10192b)a - 1792b^6 - 34855b^4 + 7840b^2)z^2 + (-9176b^2a^4 + (15508b^3 + 46113b)a^3 \\
&+ (-3468b^4 - 59368b^2 - 208)a^2 + (-4700b^5 - 27249b^3 + 20800b)a + 1744b^6 + 41832b^4 - 18240b^2)z + 5632b^2a^6 + (-21248b^3 - 35596b)a^5 \\
&+ (32640b^4 + 128328b^2 + 208)a^4 + (-26176b^5 - 175631b^3 - 46737b)a^3 + (11584b^6 + 112773b^4 + 82590b^2 + 208)a^2 \\
&+ (-2688b^7 - 33505b^5 - 26308b^3 - 10608b)a + 256b^8 + 3659b^6 - 10453b^4 + 9616b^2)z_3^3 \\
&+ 55296(a-b)^2z^8(3z-2)^2z_1^2z_2^4z_3^2 + 221184(a-b)^2(4a-3b)z^9(z-1)(3z-2)z_1z_2^4z_3^2 \\
&+ 110592(a-b)^2(27a^2 - 38ba + 13b^2)z^{10}(z-1)^2z_2^4z_3^2 \\
&- 32z^7(2592z^4 - 1080z^3 + (15552a^2 - 31104ba + 15552b^2 + 9261)z^2 + (-20736a^2 + 41472ba - 20736b^2 \\
&- 15006)z + 6912a^2 - 13824ba + 6912b^2 + 5705)z_1^4z_2^3z_3^2 \\
&- 128z^8((6912a - 3456b)z^4 + (-14040a + 8100b)z^3 + (33696a^3 - 106272ba^2 + (106272b^2 + 64197)a \\
&- 33696b^3 - 59139b)z^2 + (-47520a^3 + 147744ba^2 + (-146016b^2 - 84884)a + 45792b^3 + 80512b)z + 16704a^3 \\
&- 51264ba^2 + (50112b^2 + 31023)a - 15552b^3 - 29225b)z_1^3z_2^3z_3^2
\end{aligned}
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\begin{aligned}
&- 512z^{9}((2664a^{2}+2736ba-3816b^{2})z^{4}+(-12930a^{2}+3048ba+5448b^{2})z^{3}+(28512a^{4}-113616ba^{3}\\
&+(162000b^{2}+51239)a^{2}+(-98928b^{3}-66467b)a+22032b^{4}+19742b^{2})z^{2}+(-46944a^{4}+190944ba^{3}\\
&+(-276192b^{2}-73607)a^{2}+(170208b^{3}+114532b)a-38016b^{4}-42987b^{2})z+18432a^{4}-75888ba^{3}+(110592b^{2}+30662)a^{2}\\
&+(-68400b^{3}-49905b)a+15264b^{4}+19641b^{2})z_{1}^{2}z_{2}^{3}z_{3}^{2}\\
&- 512z^{10}(z-1)((10656ba^{2}-9792b^{2}a+288b^{3})z^{3}+(-12192a^{3}-3852ba^{2}+14904b^{2}a-1752b^{3})z^{2}\\
&+(28800a^{5}-99072ba^{4}+(125856b^{2}-41669)a^{3}+(-71136b^{3}+171457b)a^{2}+(16416b^{4}-190699b^{2})a-864b^{5}\\
&+63239b^{3})z-28800a^{5}+119232ba^{4}+(-190656b^{2}+18207)a^{3}+(147456b^{3}-79187b)a^{2}+(-55296b^{4}+94401b^{2})a+8064b^{5}-34009b^{3})z_{1}z_{2}^{3}z_{3}^{2}\\
&- 512z^{11}(z-1)^{2}((10656b^{2}a^{2}-16704b^{3}a+6336b^{4})z^{2}+(-24384ba^{3}+44016b^{2}a^{2}-24288b^{3}a\\
&+4080b^{4})z+57600ba^{5}+(-218880b^{2}-127705)a^{4}+(325440b^{3}+463896b)a^{3}+(-236160b^{4}-614866b^{2})a^{2}\\
&+(83520b^{5}+353664b^{3})a-11520b^{6}-74701b^{4})z_{2}^{3}z_{3}^{2}\\
&+ 16z^{6}(2592z^{4}+5076z^{3}+(7776a^{2}-15552ba+7776b^{2}+26163)z^{2}+(-10368a^{2}+20736ba-10368b^{2}\\
&-47802)z+3456a^{2}-6912ba+3456b^{2}+18251)z_{1}^{6}z_{2}^{2}z_{3}^{2}\\
&+ 64z^{7}((3888a-3888b)z^{4}+(15984a-12096b)z^{3}+(33696a^{3}-119232ba^{2}+(127008b^{2}+91359)a\\
&-41472b^{3}-89649b)z^{2}+(-44064a^{3}+155520ba^{2}+(-165024b^{2}-167544)a+53568b^{3}+155592b)z+14400a^{3}\\
&-50688ba^{2}+(53568b^{2}+65885)a-17280b^{3}-59667b)z_{1}^{5}z_{2}^{2}z_{3}^{2}\\
&+ 64z^{8}(1296z^{6}-9288z^{5}+(56160a^{2}-139104ba+66528b^{2}+122472)z^{4}+(-114480a^{2}+389664ba\\
&-234360b^{2}-441276)z^{3}+(184032a^{4}-803520ba^{3}+(1236384b^{2}+525846)a^{2}+(-798336b^{3}-1301034b)a\\
&+184896b^{4}+683679b^{2}+637660)z^{2}+(-264384a^{4}+1157760ba^{3}+(-1772352b^{2}-724908)a^{2}+(1133568b^{3}\\
&+1572348b)a-259200b^{4}-747654b^{2}-405784)z+94560a^{4}-415296ba^{3}+(633312b^{2}+275334)a^{2}\\
&+(-402048b^{3}-560578b)a+91008b^{4}+250599b^{2}+94972)z_{1}^{4}z_{2}^{2}z_{3}^{2}\\
&+ 256z^{9}(2592bz^{6}+(-14472a-5292b)z^{5}+(29040a^{3}-14832ba^{2}+(-96912b^{2}+49689)a+71376b^{3}\\
&+117297b)z^{4}+(-147088a^{3}+297132ba^{2}+(21984b^{2}-204609)a-134524b^{3}-326301b)z^{3}+(116928a^{5}-567360ba^{4}\\
&+(1070784b^{2}+328734)a^{3}+(-978624b^{3}-858552b)a^{2}+(435456b^{4}+438990b^{2}+427949)a-76032b^{5}+34626b^{3}\\
&+305187b)z^{2}+(-190464a^{5}+958080ba^{4}+(-1875456b^{2}-373026)a^{3}+(1768896b^{3}+1109118b)a^{2}\\
&+(-805248b^{4}-841260b^{2}-366881)a+142272b^{5}+148956b^{3}-93079b)z+73536a^{5}-376512ba^{4}+(748800b^{2}+141796)a^{3}\\
&+(-714048b^{3}-448866b)a^{2}+(326592b^{4}+382226b^{2}+108272)a-57600b^{5}-88918b^{3}-352b)z_{1}^{3}z_{2}^{2}z_{3}^{2}\\
&+ 256z^{10}(7776b^{2}z^{6}+(-86832ba+23976b^{2})z^{5}+(174240ba^{3}+(-362016b^{2}-90282)a^{2}+(165024b^{3}\\
&+488964b)a+14400b^{4}-59574b^{2})z^{4}+(-109924a^{4}-327648ba^{3}+(1266948b^{2}+392628)a^{2}\\
&+(-888904b^{3}-1551894b)a+96924b^{4}+272502b^{2})z^{3}+(106368a^{6}-322944ba^{5}+(80448b^{2}-239601)a^{4}+(652032b^{3}\\
&+2664420b)a^{3}+(-866016b^{4}-5860092b^{2}-548036)a^{2}+(424512b^{5}+4344228b^{3}+2355530b)a-74016b^{6}-970143b^{4}\\
&-677354b^{2})z^{2}+(-212736a^{6}+819456ba^{5}+(-936576b^{2}+500742)a^{4}+(15360b^{3}-3699696b)a^{3}+(654720b^{4}\\
&+7374396b^{2}+278588)a^{2}+(-423936b^{5}-5447064b^{3}-1572238b)a+82944b^{6}+1315218b^{4}+604854b^{2})z+106368a^{6}\\
&-496512ba^{5}+(870336b^{2}-151217)a^{4}+(-710016b^{3}+1147596b)a^{3}+(257472b^{4}-2316516b^{2}-32846)a^{2}\\
&+(-21888b^{5}+1744540b^{3}+366366b)a-5376b^{6}-435855b^{4}-172128b^{2})z_{1}^{2}z_{2}^{2}z_{3}^{2}\\
&+ 1024z^{11}(z-1)(2592b^{3}z^{5}+(-43416b^{2}a+23868b^{3})z^{4}+(87120b^{2}a^{3}+(-205200b^{3}-90282b)a^{2}\\
&+(158112b^{4}+296481b^{2})a-39456b^{5}-142653b^{3})z^{3}+(-109924ba^{4}+(127584b^{2}+139977)a^{3}+(142464b^{3}\\
&-87957b)a^{2}+(-238648b^{4}-379584b^{2})a+78012b^{5}+226200b^{3})z^{2}+(106368ba^{6}+(-500928b^{2}-216345)a^{5}\\
&+(938304b^{3}+1137713b)a^{4}+(-896736b^{4}-1974762b^{2}-279954)a^{3}+(461568b^{5}+1423260b^{3}+491774b)a^{2}\\
&+(-1212480b^{6}-3861250b^{4}-431030b^{2})a+126720b^{7}+155555b^{5}-91395b^{3})z-106368ba^{6}+(544320b^{2}+216345)a^{5}+(-1097664b^{3}-1181905b)a^{4}\\
&+(1125312b^{4}+2258376b^{2}+140289)a^{3}+(-621504b^{5}-1951326b^{3}-314419b)a^{2}+(175872b^{6}+769775b^{4}+170454b^{2})a-19968b^{7}-110625b^{5}-18872b^{3})z_{1}z_{2}^{2}z_{3}^{2}\\
&+ 1024z^{12}(z-1)^{2}(1296b^{4}z^{4}+(-28944b^{3}a+19872b^{4})z^{3}+(58080b^{3}a^{3}+(-134208b^{4}-90282b^{2})a^{2}\\
&+(104256b^{5}+232320b^{3})a-27456b^{6}-122898b^{4})z^{2}+(-109924b^{2}a^{4}+(230560b^{3}+279954b)a^{3}\\
&+(-131292b^{4}-568542b^{2})a^{2}+(-9832b^{5}+284130b^{3})a+19144b^{6}-11790b^{4})z+106368b^{2}a^{6}+(-445056b^{3}-432690b)a^{5}\\
&+(757344b^{4}+1748797b^{2}+1248)a^{4}+(-670272b^{5}-2712436b^{3}-284322b)a^{3}+(325344b^{6}+2010006b^{4}\\
&+664492b^{2})a^{2}+(-82176b^{7}-704090b^{5}-490730b^{3})a+8448b^{8}+91085b^{6}+114196b^{4})z_{2}^{2}z_{3}^{2}\\
&- 72z^{5}(720z^{3}+3495z^{2}-5962z+2211)z_{1}^{8}z_{2}z_{3}^{2}\\
&+ 32z^{6}((1728a+1728b)z^{4}+(-32724a+26136b)z^{3}+(-10368a^{3}+41472ba^{2}+(-46656b^{2}-40095)a\\
&+15552b^{3}+32265b)z^{2}+(13824a^{3}-55296ba^{2}+(62208b^{2}+104680)a-20736b^{3}-84932b)z-4608a^{3}+18432ba^{2}\\
&+(-20736b^{2}-42693)a+6912b^{3}+34115b)z_{1}^{7}z_{2}z_{3}^{2}\\
&+ 32z^{7}(2592z^{6}-12096z^{5}+(-17280a^{2}+72576ba-50112b^{2}+107082)z^{4}+(-57600a^{2}-64440ba\\
&+127944b^{2}-159771)z^{3}+(-96768a^{4}+476928ba^{3}+(-812160b^{2}-339780)a^{2}+(559872b^{3}+1088400b)a\\
&-134784b^{4}-664194b^{2}-32785)z^{2}+(124416a^{4}-608256ba^{3}+(1025280b^{2}+602484)a^{2}\\
&+(-698112b^{3}-1571632b)a+165888b^{4}+815408b^{2}+153195)z-39936a^{4}+193536ba^{3}+(-322560b^{2}-229120)a^{2}+(216576b^{3}+565880b)a\\
&-50688b^{4}-274342b^{2}-60401)z_{1}^{6}z_{2}z_{3}^{2}-128z^{8}((7344a-15984b)z^{6}+(108a+49356b)z^{5}+(44064a^{3}-166752ba^{2}+(182304b^{2}+46062)a
\end{aligned}
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\begin{aligned}
&- 39744b^3 - 442098b)z^4 + (-113724a^3 + 552024ba^2 + (-688932b^2 - 411310)a + 184428b^3 + 1394891b)z^3 \\
&+ (102528a^5 - 564480ba^4 + (1172160b^2 + 377115)a^3 + (-1146816b^3 - 1415631b)a^2 + (535680b^4 + 1510341b^2 \\
&+ 816291)a - 96768b^5 - 417225b^3 - 1786524b)z^2 + (-148224a^5 + 833280ba^4 + (-1762560b^2 - 496908)a^3 \\
&+ (1742976b^3 + 1672932b)a^2 + (-815616b^4 - 1608984b^2 - 629616)a + 146304b^5 + 436788b^3 + 1022135b)z + 53376a^5 \\
&- 305664ba^4 + (657216b^2 + 193101)a^3 + (-656832b^3 - 632541b)a^2 + (308736b^4 + 583079b^2 + 170081)a - 55296b^5 - 156135b^3 - 218656b)z_1^5 z_2 z_3^2 \\
&- 128z^9((73440ba - 115776b^2 - 10017)z^6 + (-136224a^2 + 277920ba + 150084b^2 - 177357)z^5 \\
&+ (93248a^4 - 145984ba^3 + (-410496b^2 + 711108)a^2 + (888512b^3 - 1379358b)a - 353728b^4 - 1060146b^2 \\
&+ 1084631)z^4 + (-498528a^4 + 1645384ba^3 + (-823872b^2 - 2021514)a^2 + (-1378440b^3 + 2865740b)a + 795904b^4 \\
&+ 3602825b^2 - 2349014)z^3 + (211968a^6 - 1143552ba^5 + (2430336b^2 + 739449)a^4 + (-2663424b^3 - 2282880b)a^3 \\
&+ (1616256b^4 + 1348998b^2 + 2974968)a^2 + (-523008b^5 + 1467396b^3 - 3771608b)a + 71424b^6 - 929484b^4 - 4443979b^2 \\
&+ 2462457)z^2 + (-342016a^6 + 1943040ba^5 + (-4409088b^2 - 577586)a^4 + (5219328b^3 + 1615528b)a^3 \\
&+ (-3427584b^4 - 1223652b^2 - 2053146)a^2 + (1188864b^5 - 480064b^3 + 2620412b)a - 170496b^6 + 436244b^4 + 2301951b^2 - 1269509)z + 130048a^6 \\
&- 753408ba^5 + (1740672b^2 + 173721)a^4 + (-2088960b^3 - 444016b)a^3 + (1379712b^4 + 389982b^2 + 524496)a^2 \\
&+ (-476928b^5 + 23684b^3 - 689874b)a + 67584b^6 - 77816b^4 - 429135b^2 + 258809)z_1^4 z_2 z_3^2 \\
&- 256z^{10}((146880b^2a - 195264b^3 - 40068b)z^6 + (-544896ba^2 + (993744b^2 + 254803)a - 53712b^3 \\
&- 725156b)z^5 + (372992ba^4 + (-1232896b^2 - 342438)a^3 + (1094592b^3 + 4023378b)a^2 \\
&+ (-26368b^4 - 7085760b^2 - 1146317)a - 172864b^5 + 1708476b^3 + 4213996b)z^4 + (-155584a^5 - 873472ba^4 + (4816832b^2 + 1574120)a^3 \\
&+ (-6163168b^3 - 12519252b)a^2 + (2182424b^4 + 19422604b^2 + 2021638)a + 36800b^5 - 4670520b^3 - 8754392b)z^3 + (87040a^7 \\
&- 186368ba^6 + (-662016b^2 - 321780)a^5 + (2827776b^3 + 4989228b)a^4 + (-4069632b^4 - 16726404b^2 - 2378158)a^3 \\
&+ (2869248b^5 + 21060444b^3 + 17414434b)a^2 + (-1003392b^6 - 10359942b^4 - 25901264b^2 - 1733794)a + 139392b^7 \\
&+ 1573890b^5 + 6413524b^3 + 8829908b)z^2 + (-174080a^7 + 618496ba^6 + (-43008b^2 + 683160)a^5 \\
&+ (-2617344b^3 - 6490424b)a^4 + (4684032b^4 + 19142992b^2 + 1402356)a^3 + (-3605760b^5 - 23494128b^3 - 10641640b)a^2 + (1325568b^6 \\
&+ 12249200b^4 + 16018308b^2 + 713927)a - 190464b^7 - 2211592b^5 - 4197536b^3 - 4386436b)z + 87040a^7 - 432128ba^6 \\
&+ (751104b^2 - 205796)a^5 + (-416256b^3 + 1862284b)a^4 + (-272640b^4 - 5410700b^2 - 255672)a^3 + (469248b^5 \\
&+ 6672596b^3 + 2266936b)a^2 + (-222720b^6 - 3571650b^4 - 3595344b^2 - 110257)a + 36864b^7 + 679334b^5 + 996696b^3 + 862148b)z_1^3 z_2 z_3^2 \\
&- 512z^{11}((146880b^3a - 171936b^4 - 60102b^2)z^6 + (-817344b^2a^2 + (1315872b^3 + 764409b)a \\
&- 255960b^4 - 1111326b^2)z^5 + (559488b^2a^4 + (-1941504b^3 - 1027314b)a^3 + (2280384b^4 + 7442358b^2 - 173673)a^2 \\
&+ (-1045248b^5 - 11400408b^3 - 3237399b)a + 147072b^6 + 4169550b^4 + 6134202b^2)z^4 + (-466752ba^5 + (-68944b^2 + 665727)a^4 + (4376400b^3 \\
&+ 1358960b)a^3 + (-7048608b^4 - 18796680b^2 + 697188)a^2 + (3845672b^5 + 29446028b^3 + 5268066b)a - 645864b^6 \\
&- 11298503b^4 - 12169092b^2)z^3 + (261120ba^7 + (-1405440b^2 - 487452)a^6 + (2992128b^3 + 3564060b)a^5 \\
&+ (-3206400b^4 - 6313686b^2 - 1995933)a^4 + (1792512b^5 + 1704b^3 + 2665216b)a^3 + (-459648b^6 + 7884984b^4 + 17905314b^2 - 1050150)a^2 \\
&+ (17664b^7 - 5806344b^5 - 33187236b^3 - 4021398b)a + 8832b^8 + 1172670b^6 + 13322911b^4 + 11714982b^2)z^2 \\
&+ (-522240ba^7 + (3056640b^2 + 974904)a^6 + (-7231488b^3 - 6582168b)a^5 + (8907264b^4 + 14746332b^2 + 1996557)a^4 \\
&+ (-6130176b^5 - 12770496b^3 - 5308040b)a^3 + (2327808b^6 + 2463684b^4 - 5089436b^2 + 703428)a^2 + (-438528b^7 + 1773264b^5 + 16172636b^3 \\
&+ 1366149b)a + 29184b^8 - 613872b^6 - 7118105b^4 - 5542254b^2)z + 261120ba^7 + (-1651200b^2 - 487452)a^6 \\
&+ (4254720b^3 + 3484860b)a^5 + (-5754624b^4 - 8992886b^2 - 666351)a^4 + (4410624b^5 + 10542984b^3 + 2311386b)a^3 \\
&+ (-1916160b^6 - 5806956b^4 - 644732b^2 - 176793)a^2 + (436224b^7 + 1337200b^5 - 2493356b^3 - 139827b)a - 39936b^8 - 77430b^6 + 1351939b^4 + 1033590b^2)z_1^2 z_2 z_3^2 \\
&- 1024z^{12}(z-1)((73440b^4a - 76896b^5 - 40068b^3)z^5 + (-544896b^3a^2 + (834552b^4 + 764409b^2)a \\
&- 248328b^5 - 796680b^3)z^4 + (372992b^3a^4 + (-1208896b^4 - 1027314b^2)a^3 + (1406208b^5 + 5114118b^3 \\
&- 347346b)a^2 + (-691648b^6 - 6687036b^4 - 2271438b^2)a + 120128b^7 + 2503248b^5 + 3168260b^3)z^3 + (-466752b^2a^5 \\
&+ (861408b^3 + 1331454b)a^4 + (519576b^4 - 1911938b^2 - 2496)a^3 + (-1956144b^5 - 5670066b^3 + 1051398b)a^2 \\
&+ (1314504b^6 + 10983412b^4 + 2199780b^2)a - 267528b^7 - 4661182b^5 - 4302804b^3)z^2 + (261120b^2a^7 \\
&+ (-1403904b^3 - 974904b)a^6 + (3062016b^4 + 5895948b^2 + 2496)a^5 + (-3532800b^5 - 12633804b^3 - 2676012b)a^4 + (2335872b^6 \\
&+ 12295518b^4 + 7223056b^2 + 4992)a^3 + (-885888b^7 - 5442822b^5 - 2580192b^3 - 1061382b)a^2 + (178176b^8 + 826326b^6 \\
&- 4999890b^4 - 641634b^2)a - 14592b^9 + 27258b^7 + 3030102b^5 + 2487264b^3)z - 261120b^2a^7 + (1485824b^3 \\
&+ 974904b)a^6 + (-3399936b^4 - 5856348b^2 - 2496)a^5 + (4101120b^5 + 12968620b^3 + 1346430b)a^4 \\
&+ (-2835072b^6 - 13857722b^4 - 4289940b^2 - 2496)a^3 + (1127808b^7 + 7568706b^5 + 3688420b^3 + 357330b)a^2 \\
&+ (-239616b^8 - 1987610b^6 - 208326b^4 - 51117b^2)a + 20992b^9 + 192082b^7 - 546216b^5 - 515972b^3)z_1 z_2 z_3^2 \\
&- 2048bz^{13}(z-1)^2((14688b^4a - 13824b^5 - 10017b^3)z^4 + (-136224b^3a^2 + (190656b^4 + 254803b^2)a \\
&- 60300b^5 - 213119b^3)z^3 + (93248b^3a^4 + (-266176b^4 - 342438b^2)a^3 + (280128b^5 + 1256478b^3 - 173673b)a^2 \\
&+ (-127552b^6 - 1368834b^4 - 435159b^2)a + 20864b^7 + 466758b^5 + 543882b^3)z^2 + (-155584b^2a^5 + (368912b^3 + 665727b)a^4 \\
&+ (-236280b^4 - 1354340b^2 - 2496)a^3 + (-46336b^5 + 163938b^3 + 354210b)a^2 + (89384b^6 + 1030340b^4 + 99669b^2)a - 21120b^7 - 515445b^5 \\
&- 406467b^3)z + 87040b^2a^7 + (-396800b^3 - 487452b)a^6 + (756480b^4 + 2165692b^2 + 2496)a^5 \\
&+ (-781440b^5 - 3819631b^3 - 675087b)a^4 + (472320b^6 + 3403816b^4 + 1710402b^2 + 2496)a^3 + (-167040b^7 - 1599770b^5 - 1293760b^3 - 180537b)a^2
\end{aligned}
$$

$$+ (32000b^8 + 370100b^6 + 136374b^4 + 80687b^2)a - 2560b^9 - 32243b^7 + 122395b^5 + 85721b^3)z_2z_3^2$$
$$+ 36z^4(36z^3 + 1617z^2 - 2318z + 817)z_1^{10}z_3^2$$
$$+ 144z^5((828a - 1188b)z^3 + (765a + 477b)z^2 + (-2084a + 732b)z + 799a - 337b)z_1^9z_3^2$$
$$+ 16z^6(7776z^6 - 53136z^5 + (-6624a^2 + 17856ba + 3744b^2 - 11367)z^4 + (64848a^2 - 141528ba + 20856b^2$$
$$+ 274779)z^3 + (13824a^4 - 82944ba^3 + (165888b^2 + 60434)a^2 + (-124416b^3 - 214370b)a + 31104b^4 + 168707b^2$$
$$- 350145)z^2 + (-18432a^4 + 110592ba^3 + (-221184b^2 - 180060)a^2 + (165888b^3 + 516404b)a - 41472b^4 - 285262b^2$$
$$+ 153801)z + 6144a^4 - 36864ba^3 + (73728b^2 + 75738)a^2 + (-55296b^3 - 212106b)a + 13824b^4 + 109163b^2 - 19560)z_1^8z_3^2$$
$$- 64z^7((5616a - 33264b)z^6 + (-31968a + 215460b)z^5 + (-7680a^3 + 54432ba^2 + (-103968b^2 + 18423)a$$
$$+ 30912b^3 - 175383b)z^4 + (-5260a^3 - 114312ba^2 + (319416b^2 + 214057)a - 112828b^3 - 674324b)z^3 + (-23040a^5$$
$$+ 142848ba^4 + (-324864b^2 - 91312)a^3 + (338688b^3 + 454730b)a^2 + (-165888b^4 - 687644b^2 - 474870)a + 31104b^5$$
$$+ 233836b^3 + 1359863b)z^2 + (29184a^5 - 178176ba^4 + (396288b^2 + 142366)a^3 + (-400896b^3 - 510362b)a^2$$
$$+ (190080b^4 + 573228b^2 + 359591)a - 34560b^5 - 176052b^3 - 892414b)z - 9216a^5 + 55296ba^4$$
$$+ (-119808b^2 - 50130)a^3 + (116736b^3 + 155288b)a^2 + (-52992b^4 - 141668b^2 - 91941)a + 9216b^5 + 37344b^3 + 199042b)z_1^7z_3^2$$
$$- 64z^8(26892z^7 + (-20304a^2 + 131328ba - 273456b^2 - 286821)z^6 + (-15192a^2 - 396288ba + 1537308b^2$$
$$+ 387039)z^5 + (-49568a^4 + 228736ba^3 + (-285312b^2 + 93264)a^2 + (20608b^3 + 404094b)a + 27808b^4 - 2727966b^2$$
$$+ 1024795)z^4 + (160068a^4 - 908408ba^3 + (1376916b^2 + 240928)a^2 + (-405240b^3 - 3548b)a - 13184b^4 + 902118b^2$$
$$- 3165060)z^3 + (-81408a^6 + 531456ba^5 + (-1365504b^2 - 374177)a^4 + (1778688b^3 + 1819092b)a^3$$
$$+ (-1246464b^4 - 2702828b^2 - 816930)a^2 + (449280b^5 + 1049544b^3 - 203100b)a - 65664b^6 - 75062b^4 + 2083988b^2 + 3220987)z^2$$
$$+ (117760a^6 - 798720ba^5 + (2153472b^2 + 443582)a^4 + (-2955264b^3 - 2072072b)a^3 + (2166528b^4 + 3291332b^2 + 742140)a^2$$
$$+ (-806400b^5 - 1752368b^3 - 23120b)a + 119808b^6 + 291148b^4 - 2032178b^2 - 1448591)z - 42496a^6 + 297984ba^5 + (-835584b^2 - 174017)a^4$$
$$+ (1193472b^3 + 842988b)a^3 + (-905088b^4 - 1443148b^2 - 219590)a^2 + (345600b^5 + 893760b^3 + 73474b)a - 52224b^6$$
$$- 181566b^4 + 518670b^2 + 240759)z_1^6z_3^2$$
$$- 128z^9(161352bz^7 + (-121824ba^2 + (522720b^2 + 81648)a - 651456b^3 - 1737504b)z^6 + (141240a^3$$
$$- 587160ba^2 + (-548496b^2 + 977663)a + 2926344b^3 + 1863434b)z^5 + (-46528a^5 + 92608ba^4 + (298688b^2$$
$$- 674686)a^3 + (-974464b^3 + 3462054b)a^2 + (846016b^4 - 2202486b^2 - 5772989)a - 235264b^5 - 5902618b^3$$
$$+ 9242052b)z^4 + (263248a^5 - 1069896ba^4 + (846200b^2 + 1555560)a^3 + (1205752b^3 - 7055448b)a^2 + (-1747056b^4$$
$$+ 7078366b^2 + 11643106)a + 573080b^5 + 5490532b^3 - 26403918b)z^3 + (-71680a^7 + 404480ba^6$$
$$+ (-824832b^2 - 293302)a^5 + (701952b^3 + 759238b)a^4 + (-145920b^4 + 749000b^2 - 1903626)a^3 + (-137472b^5 - 3457388b^3$$
$$+ 7446810b)a^2 + (85248b^6 + 3000956b^4 - 9134376b^2 - 11299078)a - 13824b^7 - 828980b^5 - 1255650b^3 + 27826726b)z^2$$
$$+ (114688a^7 - 694272ba^6 + (1591296b^2 + 126572)a^5 + (-1732608b^3 + 312036b)a^4 + (928512b^4 - 2935460b^2$$
$$+ 1141268)a^3 + (-213504b^5 + 4943908b^3 - 3913020b)a^2 + (5376b^6 - 3132648b^4 + 5410942b^2 + 5382799)a + 3072b^7$$
$$+ 706472b^5 - 1055944b^3 - 13431932b)z - 43008a^7 + 265216ba^6 + (-612864b^2 - 11846)a^5 + (649728b^3$$
$$- 349218b)a^4 + (-298752b^4 + 1640932b^2 - 259548)a^3 + (17664b^5 - 2366320b^3 + 780444b)a^2 + (27648b^6 + 1364324b^4$$
$$- 1159326b^2 - 1013149)a - 6144b^7 - 280132b^5 + 465160b^3 + 2479790b)z_1^5z_3^2$$
$$- 256z^{10}(403380b^2z^7 + (-304560b^2a^2 + (1036800b^3 + 408240b)a - 944784b^4 - 4365171b^2 + 1824)z^6$$
$$+ (706200ba^3 + (-2435472b^2 - 747998)a^2 + (458784b^3 + 5541897b)a + 3185844b^4 + 3832211b^2 + 8608)z^5$$
$$+ (-232640ba^5 + (1020064b^2 + 250233)a^4 + (-1365120b^3 - 4813386b)a^3 + (236992b^4 + 16887894b^2 + 3565759)a^2$$
$$+ (595648b^5 - 14188998b^3 - 31948849b)a - 261600b^6 - 4180836b^4 + 28402129b^2 - 71648)z^4 + (70480a^6$$
$$+ 649744ba^5 + (-4362356b^2 - 1216537)a^4 + (8129768b^3 + 14160258b)a^3$$
$$+ (-5392340b^4 - 43528572b^2 - 6753754)a^2 + (531976b^5 + 40224148b^3 + 64005290b)a + 378184b^6 - 93964b^4 - 78484558b^2 + 164032)z^3$$
$$+ (-26624a^8 + 18432ba^7 + (581120b^2 + 142932)a^6 + (-2237952b^3 - 2808910b)a^5 + (3787392b^4 + 12139291b^2$$
$$+ 1921689)a^4 + (-3528960b^5 - 21753556b^3 - 19007266b)a^3 + (1879680b^6 + 17670760b^4 + 54104612b^2 + 6344400)a^2$$
$$+ (-537600b^7 - 5846332b^5 - 51624688b^3 - 61878970b)a + 64128b^8 + 480110b^6 + 6295822b^4 + 83762607b^2 - 175648)z^2 + (53248a^8 - 151552ba^7$$
$$+ (-416768b^2 - 305464)a^6 + (2472960b^3 + 3388652b)a^5 + (-4674816b^4 - 12310154b^2 - 1194283)a^4 + (4609536b^5 + 20856704b^3$$
$$+ 11276078b)a^3 + (-2552064b^6 - 17551964b^4 - 31199420b^2 - 2950688)a^2 + (752640b^7 + 6793736b^5 + 30797284b^3$$
$$+ 29379165b)a - 92160b^8 - 912468b^6 - 5830416b^4 - 41474369b^2 + 91808)z - 26624a^8 + 133120ba^7 + (-201216b^2$$
$$+ 92052)a^6 + (-19968b^3 - 882414b)a^5 + (395904b^4 + 2851523b^2 + 238690)a^4$$
$$+ (-516864b^5 - 4479380b^3 - 2320428b)a^3 + (327552b^6 + 3714696b^4 + 6484982b^2 + 542281)a^2$$
$$+ (-107520b^7 - 1492996b^5 - 6726002b^3 - 5506773b)a + 14592b^8 + 219446b^6 + 1578146b^4 + 7923771b^2 - 18976)z_1^4z_3^2$$
$$- 1024z^{11}(268920b^3z^7 + (-203040b^3a^2 + (576720b^4 + 408240b^2)a - 420336b^5 - 2911032b^3$$
$$+ 3648b)z^6 + (706200b^2a^3 + (-2087064b^3 - 1495996b)a^2 + (873936b^4 + 5940676b^2 - 9776)a + 1021740b^5$$
$$+ 2228666b^3 + 17216b)z^5 + (-232640b^2a^5 + (1081408b^3 + 500466b)a^4 + (-1783680b^4 - 5910904b^2 + 116421)a^3$$
$$+ (1208992b^5 + 16354488b^3 + 6768065b)a^2 + (-274976b^6 - 13283559b^4 - 33670376b^2 + 50128)a - 5952b^7 + 606503b^5$$
$$+ 20928844b^3 - 143296b)z^4 + (140960ba^6 + (138832b^2 - 196065)a^5 + (-2840136b^3 - 987682b)a^4 + (6272812b^4$$

$$+ 15314966b^2 - 466308)a^3 + (-5245040b^5 - 41700840b^3 - 12063667b)a^2 + (1688568b^6 + 35906635b^4 + 66928308b^2$$
$$- 102752)a - 132772b^7 - 5560736b^5 - 57042974b^3 + 328064b)z^3 + (-53248ba^8 + (308224b^2 + 91292)a^7$$
$$+ (-673792b^3 - 784960b)a^6 + (627456b^4 + 1146094b^2 + 587571)a^5 + (-57600b^5 + 3079238b^3 - 376572b)a^4$$
$$+ (-374784b^6 - 10061480b^4 - 15733134b^2 + 701022)a^3 + (319488b^7 + 9894662b^5 + 47589044b^3 + 10537995b)a^2$$
$$+ (-109824b^8 - 3887124b^6 - 42948986b^4 - 64295680b^2 + 105248)a + 14208b^9 + 493748b^7 + 8488645b^5 + 61297758b^3 - 351296b)z^2$$
$$+ (106496ba^8 + (-702464b^2 - 182584)a^7 + (1896448b^3 + 1434800b)a^6 + (-2683392b^4 - 3597516b^2 - 587571)a^5 + (2081280b^5 + 2506724b^3$$
$$+ 1718902b)a^4 + (-804864b^6 + 2992850b^4 + 5632850b^2 - 468804)a^3 + (71424b^7 - 5377998b^5 - 23845360b^3$$
$$- 4477373b)a^2 + (44928b^8 + 2658148b^6 + 23482593b^4 + 30335432b^2 - 53872)a - 10496b^9 - 414508b^7 - 5306966b^5$$
$$- 30741756b^3 + 183616b)z - 53248ba^8 + (394240b^2 + 91292)a^7 + (-1234944b^3 - 790800b)a^6 + (2117376b^4$$
$$+ 2602446b^2 + 196065)a^5 + (-2143488b^5 - 4094242b^3 - 855322b)a^4 + (1297920b^6 + 3031802b^4 - 9042b^2$$
$$+ 117669)a^3 + (-453888b^7 - 836904b^5 + 3893500b^3 + 730976b)a^2 + (82176b^8 - 51932b^6 - 4609679b^4 - 5646600b^2$$
$$+ 11024)a - 5632b^9 + 40576b^7 + 1172034b^5 + 5971574b^3 - 37952b)z_1^3 z_3^2$$
$$- 1024z^{12}(403380b^4z^7 + (-304560b^4a^2 + (732672b^5 + 816480b^3)a - 445392b^6 - 4347891b^4$$
$$+ 10944b^2)z^6 + (1412400b^3a^3 + (-3553272b^4 - 4487988b^2)a^2 + (1607616b^5 + 12169304b^3 - 58656b)a + 780708b^6$$
$$+ 3207485b^4 + 51648b^2)z^5 + (-465280b^3a^5 + (2037664b^4 + 1501398b^2)a^4 + (-3278080b^5 - 13331968b^3$$
$$+ 698526b)a^3 + (2382464b^6 + 30382272b^4 + 19561182b^2 - 1248)a^2 + (-764288b^7 - 22435518b^5 - 68339852b^3$$
$$+ 300768b)a + 82016b^8 + 2990438b^6 + 32208885b^4 - 429888b^2)z^4 + (422880b^2a^6 + (-432992b^3 - 1176390b)a^5$$
$$+ (-3526964b^4 + 41676b^2 + 2496)a^4 + (8799608b^5 + 28657292b^3 - 2809080b)a^3$$
$$+ (-7692644b^6 - 72923280b^4 - 33243974b^2 + 4992)a^2 + (27992256b^7 + 580522228b^5 + 135068656b^3 - 616512b)a - 343612b^8 - 11233838b^6$$
$$- 87913776b^4 + 984192b^2)z^3 + (-159744b^2a^8 + (1021952b^3 + 547752b)a^7 + (-2689024b^4 - 4592448b^2 - 1248)a^6$$
$$+ (3773952b^5 + 12165356b^3 + 3536658b)a^5 + (-3068160b^6 - 11726543b^4 - 9832852b^2 - 7488)a^4 + (1457664b^7$$
$$+ 254684b^5 - 17285020b^3 + 4238580b)a^3 + (-380928b^8 + 6104300b^6 + 72597450b^4 + 27234518b^2 - 7488)a^2$$
$$+ (44800b^9 - 3292328b^7 - 642596768b^5 - 129102208b^3 + 631488b)a - 896b^{10} + 500879b^8 + 14137220b^6$$
$$+ 95163361b^4 - 1053888b^2)z^2 + (319488b^2a^8 + (-2158592b^3 - 1095504b)a^7 + (6021120b^4 + 8491776b^2 + 2496)a^6$$
$$+ (-9010176b^5 - 24242296b^3 - 3546642b)a^5 + (7905792b^6 + 32192322b^4 + 13548396b^2 + 7488)a^4$$
$$+ (-4156416b^7 - 20319368b^5 - 5153916b^3 - 2844024b)a^3 + (1269504b^8 + 4969388b^6 - 28351116b^4 - 10542006b^2 + 4992)a^2$$
$$+ (-202240b^9 + 204240b^7 + 31667936b^5 + 60612664b^3 - 323232b)a + 12288b^{10} - 178442b^8 - 7765366b^6 - 48194777b^4 + 550848b^2)z$$
$$- 159744b^2a^8 + (1136640b^3 + 547752b)a^7 + (-3338240b^4 - 4322208b^2 - 1248)a^6 + (5260800b^5 + 13013356b^3$$
$$+ 1186374b)a^5 + (-4877568b^6 - 19109983b^4 - 5258826b^2 - 2496)a^4 + (2732544b^7 + 14724340b^5 + 5701836b^3$$
$$+ 715998b)a^3 + (-904320b^8 - 5882708b^6 + 2151830b^4 + 1478268b^2 - 1248)a^2 + (161280b^9 + 1091264b^7 - 5364954b^5$$
$$- 11225044b^3 + 66144b)a - 11776b^{10} - 65609b^8 + 1536178b^6 + 9473333b^4 - 113856b^2)z_1^2 z_3^2$$
$$- 2048bz^{13}(z-1)(161352b^4z^6 + (-121824b^4a^2 + (247968b^5 + 408240b^3)a - 127872b^6 - 1562328b^4$$
$$+ 7296b^2)z^5 + (706200b^3a^3 + (-1603224b^4 - 2991992b^2)a^2 + (867024b^5 + 6382065b^3 - 58656b)a + 47256b^6$$
$$- 185446b^4 + 41728b^2)z^4 + (-232640b^3a^5 + (906688b^4 + 1000932b^2)a^4 + (-1328064b^5 - 6372426b^3 + 698526b)a^3$$
$$+ (910336b^6 + 11835282b^4 + 9785018b^2 - 2496)a^2 + (-289856b^7 - 7879578b^5 - 27205834b^3 + 242112b)a + 33792b^8$$
$$+ 1357362b^6 + 12206286b^4 - 244864b^2)z^3 + (281920b^2a^6 + (-648880b^3 - 1176390b)a^5 + (-245960b^4 + 2144228b^2$$
$$+ 4992)a^4 + (1740616b^5 + 6795778b^3 - 2116794b)a^3 + (-1677544b^6 - 18995094b^4 - 11342184b^2 + 7488)a^2$$
$$+ (630856b^7 + 14241520b^5 + 39167260b^3 - 374400b)a - 81888b^8 - 2919402b^6 - 22272424b^4 - 411264b^2)z^2$$
$$+ (-106496b^2a^8 + (626688b^3 + 547752b)a^7 + (-1521664b^4 - 3621488b^2 - 2496)a^6 + (2006016b^5 + 8766898b^3$$
$$+ 2366508b)a^5 + (-1575936b^6 - 10044754b^4 - 7546584b^2 - 9984)a^4 + (755712b^7 + 5616400b^5 + 3425216b^3$$
$$+ 2139258b)a^3 + (-215296b^8 - 1274780b^6 + 8715160b^4 + 5293954b^2 - 7488)a^2 + (33024b^9 - 22666b^7 - 9175896b^5$$
$$- 24283566b^3 + 257088b)a - 2048b^{10} + 33630b^8 + 2151712b^6 + 15510470b^4 - 291328b^2)z + 106496b^2a^8$$
$$+ (-655360b^3 - 547752b)a^7 + (1652736b^4 + 3531408b^2 + 2496)a^6 + (-2257920b^5 - 8672370b^3 - 1191366b)a^5 + (1840128b^6$$
$$+ 10699698b^4 + 4406000b^2 + 4992)a^4 + (-919296b^7 - 7177324b^5 - 4561320b^3 - 720990b)a^3 + (275200b^8 + 2594928b^6$$
$$+ 1742764b^4 - 744796b^2 + 2496)a^2 + (-45056b^9 - 457866b^7 + 1697402b^5 + 5531835b^3 - 66144b)a + 3072b^{10}$$
$$+ 28910b^8 - 508848b^6 - 3857910b^4 + 75904b^2)z_1 z_3^2$$
$$- 4096b^2z^{14}(z-1)^2(26892b^4z^5 + (-20304b^4a^2 + (34560b^5 + 81648b^3)a - 15120b^6 - 229581b^4$$
$$+ 1824b^2)z^4 + (141240b^3a^3 + (-279360b^4 - 747998b^2)a^2 + (153504b^5 + 1284935b^3 - 19552b)a - 11364b^6$$
$$- 215141b^4 + 12256b^2)z^3 + (-46528b^3a^5 + (153952b^4 + 250233b^2)a^4 + (-197632b^5 - 1147286b^3 + 232842b)a^3$$
$$+ (121952b^6 + 1707690b^4 + 1690203b^2 - 1248)a^2 + (-35840b^7 - 986490b^5 - 3924717b^3 + 61152b)a + 3968b^8$$
$$+ 169117b^6 + 1654962b^4 - 48960b^2)z^2 + (70480b^2a^6 + (-185136b^3 - 392130b)a^5 + (134340b^4 + 843259b^2$$
$$+ 2496)a^4 + (33752b^5 + 100334b^3 - 473172b)a^3 + (-84012b^6 - 1381840b^4 - 1128404b^2 + 2496)a^2 + (35520b^7$$
$$+ 1041536b^5 + 3664501b^3 - 63648b)a - 4688b^8 - 206291b^6 - 1880117b^4 + 53856b^2)z - 26624b^2a^8 + (131072b^3$$
$$+ 182584b)a^7 + (-275456b^4 - 882852b^2 - 1248)a^6 + (322560b^5 + 1734474b^3 + 397122b)a^5$$

$$+(-230016b^6-1783283b^4-1101500b^2-2496)a^4+(102144b^7+1025332b^5+912264b^3+240330b)a^3+(-27520b^8-324366b^6-29046b^4+186199b^2$$
$$-1248)a^2+(4096b^9+50874b^7-242486b^5-1106367b^3+22048b)a-256b^{10}-2891b^8+63606b^6+642985b^4-18976b^2)z_3^2$$
$$-221184(a-b)^3z^8(3z-2)^2z_1^2z_2^5z_3-221184(a-b)^3(11a-7b)z^9(z-1)(3z-2)z_1z_2^5z_3$$
$$-442368(a-b)^3(2a-b)(7a-5b)z^{10}(z-1)^2z_2^5z_3+576z^6(3z-2)(72z^2-6z-31)z_1^5z_2^4z_3$$
$$+384z^7((2592a-2592b)z^4+(-2808a+3888b)z^3+(5184a^3-15552ba^2+(15552b^2+9621)a-5184b^3$$
$$-11628b)z^2+(-6912a^3+20736ba^2+(-20736b^2-12894)a+6912b^3+13950b)z+2304a^3-6912ba^2+(6912b^2+4646)a-2304b^3-4775b)z_1^4z_2^4z_3$$
$$+768z^8((6048a^2-5184ba-864b^2)z^4+(-16452a^2+18288ba-1332b^2)z^3+(23760a^4-101952ba^3$$
$$+(158112b^2+55563)a^2+(-105408b^3-96306b)a+25488b^4+39480b^2)z^2+(-32688a^4+138816ba^3$$
$$+(-213408b^2-66640)a^2+(141120b^3+122562b)a-33840b^4-54908b^2)z+11232a^4-47232ba^3+(72000b^2+23532)a^2$$
$$+(-47232b^3-43462b)a+11232b^4+19675b^2)z_1^3z_2^4z_3$$
$$+1536z^9((2880a^3+5472ba^2-13248b^2a+4896b^3)z^4+(-17952a^3+7788ba^2+19392b^2a-9156b^3)z^3$$
$$+(32112a^5-152640ba^4+(279648b^2+45089)a^3+(-247680b^3-62089b)a^2+(106416b^4+9820b^2)a-17856b^5$$
$$+6964b^3)z^2+(-52992a^5+258336ba^4+(-483840b^2-57206)a^3+(437184b^3+110820b)a^2$$
$$+(-191232b^4-60520b^2)a+32544b^5+7122b^3)z+20880a^5-103392ba^4+(196128b^2+23876)a^3+(-179136b^3-52052b)a^2$$
$$+(79056b^4+34617b^2)a-13536b^5-6513b^3)z_1^2z_2^4z_3$$
$$+3072(a-b)z^{10}(z-1)((5760ba^2-1440b^2a-2016b^3)z^3+(-6096a^3-8640ba^2+7668b^2a+1140b^3)z^2$$
$$+(12384a^5-32544ba^4+(22320b^2-31381)a^3+(5616b^3+118139b)a^2+(-10512b^4-115124b^2)a+2736b^5$$
$$+33310b^3)z-12384a^5+43776ba^4+(-57024b^2+18678)a^3+(33408b^3-65488b)a^2+(-8352b^4+65751b^2)a+576b^5-20261b^3)z_1z_2^4z_3$$
$$+6144(a-b)z^{11}(z-1)^2((2880b^2a^2-3744b^3a+1152b^4)z^2+(-6096ba^3+9312b^2a^2-4668b^3a$$
$$+876b^4)z+12384ba^5+(-44496b^2-24346)a^4+(62064b^3+84681b)a^3+(-41904b^4-105184b^2)a^2+(13680b^5+56025b^3)a-1728b^6-10888b^4)z_2^4z_3$$
$$-3456z^5(3z-2)(18z^2+6z-13)z_1^7z_2^3z_3$$
$$-192z^6((2592a-2592b)z^4+(5292a-2916b)z^3+(2592a^3-7776ba^2+(7776b^2+19611)a-2592b^3$$
$$-23535b)z^2+(-3456a^3+10368ba^2+(-10368b^2-38418)a+3456b^3+39762b)z+1152a^3-3456ba^2+(3456b^2+14831)a-1152b^3-14675b)z_1^6z_2^3z_3$$
$$-128z^7(3888z^6+2268z^5+(45360a^2-101088ba+50544b^2+55485)z^4+(-31644a^2+116424ba$$
$$-75276b^2-254871)z^3+(88128a^4-409536ba^3+(668736b^2+317916)a^2+(-461376b^3-703152b)a+114048b^4$$
$$+360414b^2+362226)z^2+(-115776a^4+537408ba^3+(-876096b^2-481008)a^2+(603072b^3+973368b)a$$
$$-148608b^4-464112b^2-215634)z+38016a^4-176256ba^3+(286848b^2+180332)a^2+(-196992b^3-351360b)a$$
$$+48384b^4+161526b^2+46690)z_1^5z_2^3z_3$$
$$-256z^8((2592a+14256b)z^6+(-56592a+39636b)z^5+(107136a^3-251856ba^2+(114048b^2$$
$$+290385)a+16848b^3-140373b)z^4+(-322524a^3+961632ba^2+(-750708b^2-811992)a+145872b^3+192327b)z^3$$
$$+(239328a^5-1312416ba^4+(2769120b^2+868752)a^3+(-2805408b^3-2821770b)a^2+(1366848b^4+2699523b^2$$
$$+1128607)a-257472b^5-785205b^3-232922b)z^2+(-333504a^5+1823040ba^4+(-3817152b^2-969772)a^3$$
$$+(3827520b^3+3105668b)a^2+(-1842048b^4-3009594b^2-726720)a+342144b^5+899754b^3+178542b)z+116064a^5$$
$$-632736ba^4+(1315872b^2+336708)a^3+(-1307232b^3-1053878b)a^2+(622080b^4+1005555b^2+173720)a-114048b^5-296189b^3-51466b)z_1^4z_2^3z_3$$
$$-512z^9((10368ba+18144b^2)z^6+(-43344a^2-119088ba+89496b^2)z^5+(57456a^4+81216ba^3$$
$$+(-555264b^2+68142)a^2+(565632b^3+795426b)a-161712b^4-659706b^2)z^4+(-364764a^4+553368ba^3$$
$$+(667668b^2-159661)a^2+(-1265568b^3-1837262b)a+450024b^4+1436156b^2)z^3+(259200a^6-1430784ba^5$$
$$+(3141504b^2+597074)a^4+(-3497472b^3-979832b)a^3+(2080512b^4-1020214b^2+465565)a^2+(-628992b^5$$
$$+2189304b^3+1725790b)a+76032b^6-835440b^4-1421835b^2)z^2+(-423936a^6+2453760ba^5$$
$$+(-5707008b^2-571976)a^4+(6797952b^3+1318128b)a^3+(-4375296b^4-131788b^2-497874)a^2+(1448064b^5-1122488b^3$$
$$-620170b)a-193536b^6+534844b^4+639465b^2)z+164736a^6-979200ba^5+(2345472b^2+218474)a^4$$
$$+(-2881152b^3-649992b)a^3+(1913472b^4+488090b^2+167016)a^2+(-653184b^5+22416b^3+45248b)a+89856b^6-84656b^4-101876b^2)z_1^3z_2^3z_3$$
$$-1024z^{10}((15552b^2a+7776b^3)z^6+(-130032ba^2-17712b^2a+53352b^3)z^5+(172368ba^4$$
$$+(-330048b^2-82776)a^3+(16128b^3+538302b)a^2+(252576b^4+296448b^2)a-115632b^5-549486b^3)z^4$$
$$+(-103704a^5-407604ba^4+(1524984b^2+509906)a^3+(-1127724b^3-1809407b)a^2+(-80292b^4-87676b^2)a+211308b^5$$
$$+1069872b^3)z^3+(91008a^7-230400ba^6+(-379584b^2-379465)a^5+(1991232b^3+3837385b)a^4$$
$$+(-2862432b^4-9634666b^2-917044)a^3+(1965600b^5+9637378b^3+3135459b)a^2+(-664416b^6-3989077b^4-1225319b^2)a+88992b^7$$
$$+505189b^5-662109b^3)z^2+(-182016a^7+649728ba^6+(-222336b^2+761482)a^5+(-1941120b^3-5671502b)a^4$$
$$+(3542400b^4+13379172b^2+635266)a^3+(-2662272b^5-13717024b^3-2334220b)a^2+(946944b^6+6299870b^4$$
$$+1500696b^2)a-131328b^7-1037958b^5+10239b^3)z+91008a^7-419328ba^6+(623808b^2-278313)a^5+(-137664b^3$$
$$+2005617b)a^4+(-543168b^4-4716366b^2-145248)a^3+(592704b^5+4904430b^3+599586b)a^2$$
$$+(-244224b^6-2323737b^4-481677b^2)a+36864b^7+405225b^5+70252b^3)z_1^2z_2^3z_3$$
$$-2048z^{11}(z-1)((10368b^3a-1296b^4)z^5+(-130032b^2a^2+105840b^3a-15876b^4)z^4+(172368b^2a^4$$
$$+(-475200b^3-165552b)a^3+(463824b^4+742146b^2)a^2+(-183456b^5-526002b^3)a+21888b^6+25353b^4)z^3+(-207408ba^5$$

$$+ (305148b^2 + 224210)a^4 + (238200b^3 - 103492b)a^3 + (-635208b^4 - 1079429b^2)a^2 + (357144b^5 + 980272b^3)a$$
$$- 56148b^6 - 99708b^4)z^2 + (182016ba^7 + (-941184b^2 - 328894)a^6 + (1986048b^3 + 1808900b)a^5$$
$$+ (-2200896b^4 - 3373214b^2 - 447588)a^4 + (1365696b^5 + 2625020b^3 + 817994b)a^3 + (-462528b^6 - 651602b^4 + 126764b^2)a^2 + (74304b^7$$
$$- 144088b^5 - 552560b^3)a - 3456b^8 + 62150b^6 + 98761b^4)z - 182016ba^7 + (1035648b^2 + 328894)a^6$$
$$+ (-2414592b^3 - 1910052b)a^5 + (2994048b^4 + 4156746b^2 + 224002)a^4 + (-2131200b^5 - 4410348b^3 - 551238b)a^3 + (868608b^6$$
$$+ 2409282b^4 + 343671b^2)a^2 + (-186624b^7 - 636600b^5 - 19790b^3)a + 16128b^8 + 62654b^6 - 6818b^4)z_1z_2^3z_3$$
$$- 4096z^{12}(z-1)^2((2592b^4a - 1296b^5)z^4 + (-43344b^3a^2 + 55872b^4a - 18396b^5)z^3 + (57456b^3a^4$$
$$+ (-171072b^4 - 82776b^2)a^3 + (189648b^5 + 315330b^3)a^2 + (-93312b^6 - 314097b^4)a + 17280b^7 + 91371b^5)z^2 + (-103704b^2a^5$$
$$+ (290532b^3 + 224210b)a^4 + (-277836b^4 - 613398b^2)a^3 + (82380b^5 + 502175b^3)a^2 + (19956b^6 - 115386b^4)a$$
$$- 11328b^7 - 4837b^5)z + 91008b^2a^7 + (-451584b^3 - 328894b)a^6 + (937440b^4 + 1604061b^2 + 832)a^5$$
$$+ (-1053216b^5 - 3134379b^3 - 227746b)a^4 + (690336b^6 + 3136914b^4 + 702102b^2)a^3 + (-263520b^7 - 1687860b^5 - 779049b^3)a^2 + (54144b^8$$
$$+ 458145b^6 + 372995b^4)a - 4608b^9 - 47987b^7 - 67154b^5)z_2^3z_3$$
$$+ 864z^4(3z-2)(36z^2 + 42z - 47)z_1^9z_2^2z_3$$
$$+ 864z^5((1512a - 1440b)z^3 + (1935a - 1905b)z^2 + (-4818a + 4562b)z + 1905a - 1767b)z_1^8z_2^2z_3$$
$$- 64z^6(7776z^6 - 29484z^5 + (-23328a^2 + 77760ba - 49248b^2 - 19926)z^4 + (-93528a^2 + 88776ba + 7776b^2$$
$$+ 266319)z^3 + (-31104a^4 + 155520ba^3 + (-264384b^2 - 207873)a^2 + (186624b^3 + 582498b)a - 46656b^4 - 337797b^2$$
$$- 466680)z^2 + (41472a^4 - 207360ba^3 + (352512b^2 + 454734)a^2 + (-248832b^3 - 1019448b)a + 62208b^4 + 500430b^2$$
$$+ 318213)z - 13824a^4 + 69120ba^3 + (-117504b^2 - 178475)a^2 + (82944b^3 + 378594b)a - 20736b^4 - 175659b^2 - 76520)z_1^7z_2^2z_3$$
$$+ 128z^7((24624a - 84240b)z^6 + (43200a + 128736b)z^5 + (117936a^3 - 418608ba^2 + (441936b^2 - 95337)a$$
$$- 141264b^3 - 181926b)z^4 + (-125820a^3 + 744660ba^2 + (-1014228b^2 - 561975)a + 392580b^3 + 714576b)z^3$$
$$+ (186624a^5 - 1150848ba^4 + (2680128b^2 + 892719)a^3 + (-2928960b^3 - 3529341b)a^2 + (1508544b^4 + 4004739b^2$$
$$+ 1446226)a - 295488b^5 - 1389537b^3 - 1222787b)z^2 + (-241920a^5 + 1486080ba^4 + (-3445632b^2 - 1267038)a^3$$
$$+ (3746304b^3 + 4552578b)a^2 + (-1918080b^4 - 4803678b^2 - 1158100)a + 373248b^5 + 1561842b^3 + 845672b)z$$
$$+ 78336a^5 - 479232ba^4 + (1105920b^2 + 461329)a^3 + (-1195776b^3 - 1602019b)a^2 + (608256b^4 + 1631901b^2 + 307466)a - 117504b^5 - 510575b^3 - 205843b)z_1^6z_2^2z_3$$
$$- 256z^8(2592z^7 + (-27648a^2 - 65664ba + 260064b^2 + 43875)z^6 + (287928a^2 - 858816ba + 15984b^2$$
$$+ 369396)z^5 + (-247968a^4 + 870048ba^3 + (-870048b^2 - 1241694)a^2 + (64800b^3 + 4156020b)a + 160704b^4$$
$$- 1709658b^2 - 2352039)z^4 + (848448a^4 - 3712176ba^3 + (5258196b^2 + 3340880)a^2 + (-2537136b^3 - 8828162b)a$$
$$+ 202932b^4 + 3493151b^2 + 4754949)z^3 + (-381312a^6 + 2498688ba^5 + (-6523200b^2 - 1788087)a^4 + (8698752b^3$$
$$+ 7726476b)a^3 + (-6270912b^4 - 11420238b^2 - 4659598)a^2 + (2332800b^5 + 6492780b^3 + 9987100b)a - 352512b^6$$
$$- 1091313b^4 - 3394481b^2 - 4559026)z^2 + (533760a^6 - 3525120ba^5 + (9243648b^2 + 1781808)a^4$$
$$+ (-12313728b^3 - 7362732b)a^3 + (8816256b^4 + 10613832b^2 + 3053902)a^2 + (-3238272b^5 - 6095844b^3 - 5675516b)a + 480384b^6$$
$$+ 1125378b^4 + 1700331b^2 + 2133091)z - 186752a^6 + 1243008ba^5 + (-3275712b^2 - 603177)a^4 + (4366080b^3$$
$$+ 2431128b)a^3 + (-3113280b^4 - 3414834b^2 - 747416)a^2 + (1133568b^5 + 1924576b^3 + 1260330b)a - 165888b^6 - 356907b^4 - 347235b^2 - 392838)z_1^5z_2^2z_3$$
$$- 512z^9(12960bz^7 + (-138240ba^2 + (25488b^2 - 4158)a + 337392b^3 + 175419b)z^6 + (257784a^3$$
$$+ 448056ba^2 + (-2187360b^2 - 183327)a + 503484b^3 + 1171587b)z^5 + (-131472a^5 - 187344ba^4 + (2267088b^2$$
$$- 737188)a^3 + (-4001904b^3 - 2953398b)a^2 + (2524608b^4 + 12215229b^2 + 543730)a - 492096b^5 - 6366526b^3$$
$$- 7800545b)z^4 + (862388a^5 - 1896852ba^4 + (-2668776b^2 + 1285815)a^3 + (9719540b^3 + 7813408b)a^2$$
$$+ (-7698492b^4 - 27235735b^2 - 329684)a + 1763160b^5 + 14933608b^3 + 15610246b)z^3 + (-347136a^7 + 2068608ba^6 + (-4789440b^2 - 1028376)a^5$$
$$+ (5391936b^3 + 955926b)a^4 + (-2887488b^4 + 8765712b^2 - 1902841)a^3 + (437184b^5 - 20421708b^3 - 7753714b)a^2$$
$$+ (186624b^6 + 15190485b^4 + 28322177b^2 - 377584)a - 58752b^7 - 3578217b^5 - 15612696b^3 - 14647511b)z^2$$
$$+ (563200a^7 - 3604736ba^6 + (9343872b^2 + 641532)a^5 + (-12728448b^3 + 456b)a^4 + (9811584b^4 - 7421736b^2$$
$$+ 1573500)a^3 + (-4258944b^5 + 15282204b^3 + 2753448b)a^2 + (953856b^6 - 11051610b^4 - 13555441b^2 + 510675)a$$
$$- 82944b^7 + 2625714b^5 + 7637510b^3 + 6665607b)z - 216064a^7 + 1433216ba^6 + (-3897792b^2 - 193952)a^5$$
$$+ (5663040b^3 + 126966b)a^4 + (-4752576b^4 + 1511844b^2 - 476498)a^3 + (2306880b^5 - 3349048b^3 - 159400b)a^2$$
$$+ (-600192b^6 + 2490731b^4 + 2387502b^2 - 159652)a + 64512b^7 - 606771b^5 - 1415364b^3 - 1187763b)z_1^4z_2^2z_3$$
$$- 1024z^{10}(25920b^2z^7 + (-276480b^2a^2 + (266112b^3 - 16632b)a + 161568b^4 + 262926b^2)z^6$$
$$+ (1031136ba^3 + (-826992b^2 - 496178)a^2 + (-1611072b^3 + 249212b)a + 536388b^4 + 966268b^2)z^5 + (-525888ba^5$$
$$+ (1385568b^2 + 404647)a^4 + (-23040b^3 - 5213530b)a^3 + (-2608992b^4 + 4419336b^2 + 2434897)a^2 + (2397312b^5$$
$$+ 8482852b^3 - 2064865b)a - 624384b^6 - 6044950b^4 - 7886654b^2)z^4 + (211672a^6 + 1580168ba^5$$
$$+ (-7571640b^2 - 2450495)a^4 + (8298824b^3 + 16614600b)a^3 + (264416b^4 - 16634848b^2 - 4718187)a^2 + (-4259784b^5 - 13459060b^3$$
$$+ 5838974b)a + 1487080b^6 + 13289501b^4 + 15923478b^2)z^3 + (-111104a^8 + 95744ba^7 + (2209024b^2 + 711648)a^6$$
$$+ (-8487936b^3 - 9962112b)a^5 + (13972608b^4 + 34212432b^2 + 4399959)a^4 + (-12428928b^5 - 47610804b^3 - 26204828b)a^3$$
$$+ (6221376b^6 + 28553595b^4 + 31707458b^2 + 4505503)a^2 + (-1651968b^7 - 5716230b^5 + 3832470b^3 - 7366836b)a$$
$$+ 181440b^8 - 219531b^6 - 11693428b^4 - 14604208b^2)z^2 + (222208a^8 - 584704ba^7 + (-2014208b^2 - 1440864)a^6$$

$$+ (11010048b^3 + 13941024b)a^5 + (-20164224b^4 - 44699772b^2 - 3067229)a^4 + (19100160b^5 + 64717368b^3$$
$$+ 18191622b)a^3 + (-10025856b^6 - 45454122b^4 - 25066960b^2 - 2115039)a^2 + (2771712b^7 + 14561184b^5 + 4819178b^3$$
$$+ 4329526b)a - 315648b^8 - 1597326b^6 + 4213113b^4 + 6394574b^2)z - 111104a^8 + 488960ba^7 + (-297728b^2$$
$$+ 517544)a^6 + (-1950720b^3 - 4732952b)a^5 + (4937856b^4 + 15081060b^2 + 712598)a^4$$
$$+ (-5269248b^5 - 22260372b^3 - 4415984b)a^3 + (2957952b^6 + 16368689b^4 + 6679120b^2 + 389004)a^2$$
$$+ (-857088b^7 - 5727374b^5 - 2338716b^3 - 969379b)a + 101376b^8 + 745603b^6 - 457086b^4 - 1082304b^2)z_1^3z_2^2z_3$$
$$- 2048z^{11}(25920b^3z^7 + (-276480b^3a^2 + (358128b^4 - 24948b^2)a - 39312b^5 + 175014b^3)z^6$$
$$+ (1546704b^2a^3 + (-2290032b^3 - 1488534b)a^2 + (350784b^4 + 1847598b^2)a + 59976b^5 - 436758b^3)z^5 + (-788832b^2a^5$$
$$+ (2801088b^3 + 1213941b)a^4 + (-3409488b^4 - 10720806b^2 + 232218)a^3 + (1499472b^5 + 16738764b^3 + 6718851b)a^2$$
$$+ (17712b^6 - 6009213b^4 - 9126567b^2)a - 114192b^7 - 317826b^5 - 377082b^3)z^4 + (635016ba^6 + (188400b^2$$
$$- 791514)a^5 + (-6749608b^3 - 2136604b)a^4 + (11919348b^4 + 27091192b^2 - 928872)a^3$$
$$+ (-7570068b^5 - 44758916b^3 - 11867078b)a^2 + (1453916b^6 + 19853557b^4 + 18214370b^2)a + 103980b^7 - 440056b^5 + 1658448b^3)z^3 + (-333312ba^8$$
$$+ (1824000b^2 + 553992)a^7 + (-3762432b^3 - 3891588b)a^6 + (3327744b^4 + 4648446b^2 + 2370798)a^5 + (-378624b^5$$
$$+ 9771150b^3 - 1903650b)a^4 + (-1627200b^6 - 26090427b^4 - 28123736b^2 + 1394556)a^3 + (1331136b^7 + 21331317b^5$$
$$+ 54634866b^3 + 10168476b)a^2 + (-434880b^8 - 7001217b^6 - 28542180b^4 - 17978708b^2)a + 53568b^9 + 700815b^7$$
$$+ 2372405b^5 - 1517818b^3)z^2 + (666624ba^8 + (-4041216b^2 - 1107984)a^7 + (9819648b^3 + 7113024b)a^6$$
$$+ (-12145152b^4 - 13486068b^2 - 2369550)a^5 + (7771392b^5 + 4115700b^3 + 5375076b)a^4 + (-1935744b^6 + 14075814b^4 + 10057935b^2 - 931368)a^3$$
$$+ (-430080b^7 - 16528554b^5 - 28710246b^3 - 4168348b)a^2 + (351360b^8 + 6714186b^6 + 17554908b^4 + 8732064b^2)a - 56832b^9 - 907086b^7 - 2188722b^5$$
$$+ 520990b^3)z - 333312ba^8 + (2217216b^2 + 553992)a^7 + (-6091520b^3 - 3856452b)a^6 + (8971776b^4 + 9588174b^2$$
$$+ 790266)a^5 + (-7675776b^5 - 10538810b^3 - 2549283b)a^4 + (3833088b^6 + 4443003b^4 + 150531b^2 + 233466)a^3$$
$$+ (-1042560b^7 + 554763b^5 + 4659704b^3 + 636633b)a^2 + (122112b^8 - 921887b^6 - 3564684b^4 - 1663809b^2)a - 1024b^9$$
$$+ 178953b^7 + 553275b^5 - 48714b^3)z_1^2z_2^2z_3$$
$$- 4096z^{12}(z-1)(12960b^4z^6 + (-138240b^4a^2 + (200448b^5 - 16632b^3)a - 63072b^6 + 56511b^4)z^5$$
$$+ (1031136b^3a^3 + (-1884744b^4 - 1488534b^2)a^2 + (1020672b^5 + 2197620b^3)a - 184296b^6 - 876441b^4)z^4$$
$$+ (-525888b^3a^5 + (1935936b^4 + 1213941b^2)a^4 + (-2739360b^5 - 7718638b^3 + 464436b)a^3 + (1843488b^6 + 12729654b^4$$
$$+ 4644477b^2)a^2 + (-578016b^7 - 7793472b^5 - 7685999b^3)a + 65184b^8 + 1628126b^6 + 2587372b^4)z^3 + (635016b^2a^6$$
$$+ (-1440040b^3 - 1583028b)a^5 + (-239096b^4 + 2946958b^2 + 2496)a^4 + (3148968b^5 + 6949810b^3 - 1402044b)a^3$$
$$+ (-3182140b^6 - 18682726b^4 - 4927526b^2)a^2 + (1238320b^7 + 13305686b^5 + 9907083b^3)a - 165060b^8 - 3003501b^6 - 3199927b^4)z^2 + (-333312b^2a^8$$
$$+ (1972224b^3 + 1107984b)a^7 + (-4862592b^4 - 7309740b^2 - 2496)a^6 + (6516096b^5 + 17843636b^3 + 3178536b)a^5$$
$$+ (-5168064b^6 - 20967965b^4 - 10086111b^2 - 4992)a^4 + (2461056b^7 + 12295392b^5 + 6920066b^3 + 1412028b)a^3 + (-673728b^8 - 3049228b^6 + 5215238b^4$$
$$+ 1872221b^2)a^2 + (92544b^9 + 4048b^7 - 7143912b^5 - 5460161b^3)a - 4224b^{10} + 79905b^8 + 1946696b^6 + 1782147b^4)z$$
$$+ 333312b^2a^8 + (-2103296b^3 - 1107984b)a^7 + (5514880b^4 + 7292172b^2 + 2496)a^6$$
$$+ (-7878528b^5 - 18664708b^3 - 1598004b)a^5 + (6715584b^6 + 24399007b^4 + 5935404b^2 + 2496)a^4$$
$$+ (-3493632b^7 - 17620428b^5 - 7198702b^3 - 474420b)a^3 + (1078848b^8 + 6975152b^6 + 2773610b^4 - 100638b^2)a^2 + (-179200b^9 - 1373828b^7 + 405690b^5$$
$$+ 1058089b^3)a + 12032b^{10} + 99273b^8 - 323225b^6 - 362622b^4)z_1z_2^2z_3$$
$$- 8192bz^{13}(z-1)^2(2592b^4z^5 + (-27648b^4a^2 + (41904b^5 - 4158b^3)a - 15984b^6 + 5103b^4)z^4$$
$$+ (257784b^3a^3 + (-498888b^4 - 496178b^2)a^2 + (313920b^5 + 790877b^3)a - 65028b^6 - 324503b^4)z^3 + (-131472b^3a^5$$
$$+ (459792b^4 + 404647b^2)a^4 + (-632016b^5 - 1989742b^3 + 232218b)a^3 + (424944b^6 + 3036546b^4 + 856701b^2)a^2$$
$$+ (-138528b^7 - 1890689b^5 - 1779735b^3)a + 17280b^8 + 426242b^6 + 748638b^4)z^2 + (211672b^2a^6 + (-647716b^3 - 791514b)a^5 + (667820b^4$$
$$+ 2228420b^2 + 2496)a^4 + (-165448b^5 - 1331227b^3 - 473172b)a^3 + (-151468b^6 - 1188860b^4 - 213532b^2)a^2$$
$$+ (102308b^7 + 1536841b^5 + 1197023b^3)a - 17168b^8 - 444120b^6 - 555787b^4)z - 111104b^2a^8 + (591104b^3$$
$$+ 553992b)a^7 + (-1341056b^4 - 2918176b^2 - 2496)a^6 + (1691328b^5 + 6290446b^3 + 802746b)a^5$$
$$+ (-1294272b^6 - 7171580b^4 - 2653555b^2 - 2496)a^4 + (613824b^7 + 4638646b^5 + 3082477b^3 + 240954b)a^3$$
$$+ (-175552b^8 - 1682066b^6 - 1330978b^4 - 146991b^2)a^2 + (27520b^9 + 310516b^7 + 572b^5 - 204007b^3)a - 1792b^{10} - 21778b^8 + 98630b^6 + 123957b^4)z_2^2z_3$$
$$- 288z^3(3z-2)(18z^2 + 66z - 55)z_1^{11}z_2z_3$$
$$- 144z^4((2340a - 2844b)z^3 + (2523a - 1095b)z^2 + (-6658a + 5186b)z + 2623a - 2123b)z_1^{10}z_2z_3$$
$$+ 288z^5(2916z^5 - 99z^4 + (-9528a^2 + 18672ba - 7512b^2 - 9615)z^3 + (-9194a^2 + 29372ba - 17048b^2$$
$$+ 5728)z^2 + (25328a^2 - 64360ba + 32128b^2 + 2944)z - 9962a^2 + 24284ba - 11600b^2 - 2026)z_1^9z_2z_3$$
$$+ 64z^6((12960a - 33696b)z^6 + (-31752a + 267300b)z^5 + (-28512a^3 + 147744ba^2$$
$$+ (-258336b^2 - 134568)a + 125280b^3 + 78462b)z^4 + (-140544a^3 + 251064ba^2 + (90000b^2 + 822387)a - 168984b^3 - 1848048b)z^3$$
$$+ (-41472a^5 + 290304ba^4 + (-746496b^2 - 257334)a^3 + (870912b^3 + 1188264b)a^2$$
$$+ (-466560b^4 - 1567569b^2 - 1454568)a + 93312b^5 + 644307b^3 + 2948805b)z^2 + (55296a^5 - 387072ba^4 + (995328b^2 + 603260)a^3$$
$$+ (-1161216b^3 - 2216848b)a^2 + (622080b^4 + 2353146b^2 + 1042691)a - 124416b^5 - 787230b^3 - 1800781b)z - 18432a^5 + 129024ba^4$$
$$+ (-331776b^2 - 241122)a^3 + (387072b^3 + 848092b)a^2 + (-207360b^4 - 849033b^2 - 262830)a + 41472b^5 + 264387b^3 + 389374b)z_1^8z_2z_3$$

$$
\begin{aligned}
&- 32z^7(15552z^8 - 50544z^7 + (174528a^2 - 957312ba + 1315008b^2 + 709452)z^6 + (811728a^2 - 1102464ba \\
&- 3129408b^2 - 211851)z^5 + (585216a^4 - 2914560ba^3 + (4942080b^2 - 2261124)a^2 + (-2974464b^3 + 7515216b)a \\
&+ 423936b^4 - 365508b^2 - 4641537)z^4 + (-1035264a^4 + 7553568ba^3 + (-16284960b^2 - 2916328)a^2 + (12186528b^3 \\
&- 2764088b)a - 2562720b^4 + 7847252b^2 + 8386002)z^3 + (700416a^6 - 5308416ba^5 + (15869952b^2 + 4138560)a^4 \\
&+ (-23887872b^3 - 23088720b)a^3 + (19077120b^4 + 44185680b^2 + 11211896)a^2 + (-7713792b^5 - 32701248b^3 - 11874744b)a + 1244160b^6 \\
&+ 7768032b^4 - 8849008b^2 - 5224022)z^2 + (-897024a^6 + 6746112ba^5 + (-19980288b^2 - 5128896)a^4 + (29749248b^3 \\
&+ 25417376b)a^3 + (-23473152b^4 - 44856496b^2 - 9518356)a^2 + (9372672b^5 + 31712192b^3 + 12715128b)a - 1492992b^6 \\
&- 7511680b^4 + 3786520b^2 + 882921)z + 286720a^6 - 2138112ba^5 + (6266880b^2 + 1755040)a^4 \\
&+ (-9216000b^3 - 8249744b)a^3 + (7170048b^4 + 13926288b^2 + 2552184)a^2 + (-2820096b^5 - 9483936b^3 - 3634936b)a + 442368b^6 \\
&+ 2193568b^4 - 547992b^2 + 134235)z_1^7 z_2 z_3 \\
&- 64z^8(108864bz^8 + (-480384a + 62640b)z^7 + (253440a^3 + 50112ba^2 + (-3182976b^2 + 2450412)a \\
&+ 4174272b^3 + 2364984b)z^6 + (-2218848a^3 + 13342032ba^2 + (-18380592b^2 - 13538283)a - 181968b^3 \\
&+ 13185759b)z^5 + (1037184a^5 - 4514688ba^4 + (5774592b^2 + 7848932)a^3 + (-111360b^3 - 50697444b)a^2 + (-3881088b^4 \\
&+ 89937276b^2 + 42634319)a + 1564032b^5 - 29547004b^3 - 84887227b)z^4 + (-3968208a^5 + 21440400ba^4 \\
&+ (-39250032b^2 - 17921040)a^3 + (26271504b^3 + 86730576b)a^2 + (-2148384b^4 - 147002072b^2 - 68638798)a - 1929984b^5 \\
&+ 57490516b^3 + 157448102b)z^3 + (1173504a^7 - 8779776ba^6 + (26523648b^2 + 6808236)a^5 \\
&+ (-41932800b^3 - 34290156b)a^4 + (37628928b^4 + 58648992b^2 + 23095728)a^3 + (-19353600b^5 - 36436368b^3 - 81174272b)a^2 \\
&+ (5349888b^6 + 2004840b^4 + 117255236b^2 + 58744170)a - 622080b^7 + 2866392b^5 - 47313656b^3 - 134701774b)z^2 \\
&+ (-1642496a^7 + 12537856ba^6 + (-38817792b^2 - 5893992)a^5 + (63074304b^3 + 27801672b)a^4 \\
&+ (-58143744b^4 - 44695952b^2 - 14763400)a^3 + (30587904b^5 + 25828624b^3 + 40909124b)a^2 + (-8570880b^6 - 784912b^4 - 47207808b^2 - 25754055)a \\
&+ 995328b^7 - 2168368b^5 + 18576848b^3 + 55161547b)z + 575488a^7 - 4478976ba^6 + (14192640b^2 + 1923660)a^5 \\
&+ (-23660544b^3 - 9104588b)a^4 + (22381056b^4 + 15081872b^2 + 3621828)a^3 + (-12059136b^5 - 9702816b^3 - 8687104b)a^2 + (3446784b^6 \\
&+ 1481000b^4 + 7883848b^2 + 4582203)a - 405504b^7 + 351032b^5 - 2907808b^3 - 8742063b)z_1^6 z_2 z_3 \\
&- 128z^9(326592b^2z^8 + (-2882304ba + 1395792b^2 + 122184)z^7 + (1520640ba^3 \\
&+ (-2922048b^2 - 195228)a^2 + (-3093120b^3 + 15780600b)a + 5973696b^4 - 2215152b^2 + 725808)z^6 + (-1840192a^4 - 3008032ba^3 \\
&+ (39229824b^2 - 1143797)a^2 + (-56427904b^3 - 71344702b)a + 12307568b^4 + 64010161b^2 - 6846960)z^5 + (506624a^6 \\
&+ 1089536ba^5 + (-14838528b^2 + 5762744)a^4 + (35883776b^3 + 13052200b)a^3 + (-35573248b^4 - 162821124b^2 \\
&+ 11921045)a^2 + (14575872b^5 + 279236792b^3 + 187846502b)a - 1870848b^6 - 107669324b^4 - 291093805b^2 \\
&+ 19075400)z^4 + (-3453504a^6 + 8269408ba^5 + (22187808b^2 - 8066204)a^4 + (-95380416b^3 - 41117448b)a^3 \\
&+ (116002816b^4 + 318485692b^2 - 31167610)a^2 + (-55633824b^5 - 526191640b^3 - 260693236b)a + 8877792b^6 \\
&+ 214151820b^4 + 514173066b^2 - 26622104)z^3 + (925696a^8 - 5632000ba^7 + (11696128b^2 + 3271416)a^6 + (-6082560b^3 \\
&+ 2968896b)a^5 + (-12460032b^4 - 79044816b^2 + 7778636)a^4 + (22901760b^5 + 209421648b^3 + 48278688b)a^3 \\
&+ (-15943680b^6 - 227158944b^4 - 306087292b^2 + 36442118)a^2 + (5280768b^7 + 107680608b^5 + 482167424b^3 + 191849612b)a - 691200b^8 - 18264672b^6 \\
&- 194841616b^4 - 441067114b^2 + 20430528)z^2 + (-1490944a^8 + 10035200ba^7 + (-26017792b^2 - 1002288)a^6 \\
&+ (31875072b^3 - 12632096b)a^5 + (-16352256b^4 + 84145344b^2 - 5008724)a^4 \\
&+ (-2073600b^5 - 179975680b^3 - 22326280b)a^3 + (6368256b^6 + 176728304b^4 + 138991804b^2 - 20172737)a^2 \\
&+ (-2737152b^7 - 80064576b^5 - 213412856b^3 - 70784286b)a + 396288b^8 + 13471200b^6 + 84765688b^4 + 184823365b^2 - 8271680)z + 565248a^8 - 3977216ba^7 \\
&+ (11085824b^2 + 62968)a^6 + (-15642624b^3 + 5193344b)a^5 + (11762688b^4 - 27377616b^2 + 1371244)a^4 + (-4276224b^5 \\
&+ 52853808b^3 + 3368456b)a^3 + (279552b^6 - 48445568b^4 - 23929048b^2 + 4316417)a^2 + (258048b^7 + 20992256b^5 \\
&+ 36597080b^3 + 10226566b)a - 55296b^8 - 3445344b^6 - 14289144b^4 - 30351657b^2 + 1386824)z_1^5 z_2 z_3 \\
&- 256z^{10}(544320b^3z^8 + (-7205760b^2a + 4270320b^3 + 610920b)z^7 + (3801600b^2a^3 \\
&+ (-9253440b^3 - 976140b)a^2 + (2526336b^4 + 42213348b^2 - 1604648)a + 3637440b^5 - 21096540b^3 + 3651760b)z^6 + (-9200960ba^4 \\
&+ (14118016b^2 + 8021859)a^3 + (39204672b^3 - 31515345b)a^2 + (-72315824b^4 - 130811177b^2 + 9232448)a \\
&+ 21606400b^5 + 123786523b^3 - 34129840b)z^5 + (2533120ba^6 + (-8006528b^2 - 2225764)a^5 + (-2083712b^3 \\
&+ 46376452b)a^4 + (34606592b^4 - 89640684b^2 - 40000387)a^3 + (-47649536b^5 - 119862916b^3 + 182929381b)a^2 \\
&+ (25153408b^6 + 329726548b^4 + 203898221b^2 - 22096680)a - 4638848b^7 - 143138316b^5 - 402789447b^3 \\
&+ 94499752b)z^4 + (-745536a^7 - 8977152ba^6 + (50311056b^2 + 13887340)a^5 + (-69650128b^3 - 137966016b)a^4 \\
&+ (-10459664b^4 + 274110136b^2 + 78927718)a^3 + (89154288b^5 + 109488276b^3 - 390249842b)a^2 \\
&+ (-62349120b^6 - 570900208b^4 - 118579546b^2 + 28150208)a + 13123808b^7 + 276841396b^5 + 631959806b^3 - 131108024b)z^3 + (270336a^9 + 393216ba^8 \\
&+ (-11823104b^2 - 2370352)a^7 + (46256128b^3 + 42296264b)a^6 + (-87148032b^4 - 178101108b^2 - 25253180)a^5 + (94308864b^5 \\
&+ 308601468b^3 + 206743112b)a^4 + (-61549056b^6 - 224345616b^4 - 435664928b^2 - 76985278)a^3 + (23920128b^7 \\
&+ 28991952b^5 + 98504252b^3 + 403199734b)a^2 + (-5091840b^8 + 35927736b^6 + 4260579968b^4 - 42108370b^2 \\
&- 20125304)a + 456192b^9 - 11582088b^7 - 239297568b^5 - 505095306b^3 + 100018240b)z^2 + (-540672a^9 + 655360ba^8 \\
&+ (13783040b^2 + 4823328)a^7 + (-65232896b^3 - 55677456b)a^6 + (135195648b^4 + 216659000b^2 + 17753220)a^5
\end{aligned}
$$

$$+ (-158057472b^5 - 398116552b^3 - 138502848b)a^4 + (111129600b^6 + 372045648b^4 + 309263656b^2 + 37078823)a^3$$
$$+ (-46648320b^7 - 168551120b^5 - 174712444b^3 - 203924957b)a^2 + (10782720b^8 + 29029744b^6 - 122642872b^4 + 75576323b^2 + 7652352)a$$
$$- 1056768b^9 + 109936b^7 + 93989144b^5 + 198856743b^3 - 40249216b)z + 270336a^9 - 1048576ba^8 + (-1320960b^2 - 1707440)a^7 + (14495744b^3$$
$$+ 17980872b)a^6 + (-35218944b^4 - 68038356b^2 - 4158288)a^5 + (44315136b^5 + 126641372b^3 + 32523636b)a^4$$
$$+ (-32699904b^6 - 125453856b^4 - 76157172b^2 - 7042735)a^3 + (14283264b^7 + 65229312b^5 + 57302128b^3 + 40537585b)a^2 + (-3428352b^8 - 16038440b^6$$
$$+ 6858616b^4 - 22984287b^2 - 1208376)a + 349184b^9 + 1323704b^7 - 13426944b^5 - 30435587b^3 + 6706408b)z_1^4 z_2 z_3$$
$$- 512z^{11}(544320b^4z^8 + (-9607680b^3a + 6145200b^4 + 1221840b^2)z^7 + (5068800b^3a^3$$
$$+ (-12899520b^4 - 1952280b^2)a^2 + (7979904b^5 + 60055632b^3 - 6418592b)a - 179136b^6 - 39765780b^4 + 7348960b^2)z^6$$
$$+ (-18401920b^2a^4 + (42175424b^3 + 32087436b)a^3 + (870096b^4 - 106684562b^2 + 320856)a^2$$
$$+ (-42674176b^5 - 94245244b^3 + 36689344b)a + 16746656b^6 + 126466543b^4 - 68049760b^2)z^5 + (5066240b^2a^6$$
$$+ (-22177792b^3 - 8903056b)a^5 + (32032000b^4 + 121404016b^2 - 2391312)a^4 + (-11336448b^5 - 298609152b^3 - 148884620b)a^3$$
$$+ (-12173824b^6 + 159054980b^4 + 558670114b^2 - 1614264)a^2 + (11056384b^7 + 113204800b^5 - 145876068b^3$$
$$- 87155360b)a - 2465792b^8 - 80026908b^6 - 233228883b^4 + 187245008b^2)z^4 + (-2982144ba^7 + (-4760320b^2$$
$$+ 3695256)a^6 + (67851456b^3 + 22456936b)a^5 + (-144966528b^4 - 321192368b^2 + 9555264)a^4 + (113313440b^5$$
$$+ 805964496b^3 + 272105888b)a^3 + (-17412768b^6 - 582218800b^4 - 1116349052b^2 + 3250992)a^2$$
$$+ (-16624928b^7 - 74457448b^5 + 639812488b^3 + 110084864b)a + 5581888b^8 + 134614860b^6 + 230182102b^4 - 258211056b^2)z^3$$
$$+ (1081344ba^9 + (-5906432b^2 - 1654752)a^8 + (9445376b^3 + 12591328b)a^7 + (5294080b^4 + 4165136b^2 - 11065800)a^6$$
$$+ (-37588992b^5 - 163343808b^3 - 4934472b)a^5 + (55529472b^6 + 397016544b^4 + 366668176b^2 - 14332896)a^4$$
$$+ (-42184704b^7 - 404030064b^5 - 1013866720b^3 - 243785296b)a^3 + (18094080b^8 + 187576176b^6 + 872325712b^4 + 1093228948b^2 - 3275952)a^2$$
$$+ (-4168704b^9 - 31987008b^7 - 103576120b^5 - 801219304b^3 - 77936992b)a + 402432b^{10} - 327552b^8 - 95531920b^6 - 103393370b^4 + 195767680b^2)z^2$$
$$+ (-2162688ba^9 + (13975552b^2 + 3309504)a^8 + (-34062336b^3 - 22698176b)a^7 + (33763328b^4 + 28915680b^2 + 11058312)a^6$$
$$+ (4595712b^5 + 95902912b^3 - 21973672b)a^5 + (-44027904b^6 - 325581184b^4 - 162510224b^2 + 9565248)a^4$$
$$+ (45361152b^7 + 386230432b^5 + 559271568b^3 + 106352564b)a^3$$
$$+ (-22569984b^8 - 217330192b^6 - 55494196b^4 - 52694597b^2 + 1651704)a^2 + (5725184b^9 + 56152000b^7 + 138846056b^5 + 44464557b^3 + 29305664b)a$$
$$- 593920b^{10} - 4916336b^8 + 25724040b^6 + 8045931b^4 - 78280064b^2)z + 1081344ba^9 + (-8069120b^2 - 1654752)a^8 + (25042944b^3$$
$$+ 13088992b)a^7 + (-41646080b^4 - 35231088b^2 - 3687768)a^6 + (39407616b^5 + 32375616b^3 + 13360920b)a^5$$
$$+ (-19968000b^6 + 17765440b^4 + 13994880b^2 - 2396304)a^4 + (3287040b^7 - 57375216b^5 - 100009568b^3 - 17875972b)a^3$$
$$+ (1609728b^8 + 43097328b^6 + 117940760b^4 + 100033010b^2 - 333336)a^2$$
$$+ (-870400b^9 - 135572160b^7 - 39453544b^5 - 93565812b^3 - 4568928b)a + 122880b^{10} + 1499392b^8 - 1312360b^6 + 5004145b^4 + 12957392b^2)z_1^3 z_2 z_3$$
$$- 1024z^{12}(326592b^5z^8 + (-7205760b^4a + 4770576b^5 + 1221840b^3)z^7 + (3801600b^4a^3$$
$$+ (-9484992b^5 - 1952280b^3)a^2 + (6943104b^6 + 47936628b^4 - 9627888b^2)a - 1397952b^7 - 35445888b^5 + 7394400b^3)z^6$$
$$+ (-18401920b^3a^4 + (45020576b^4 + 48131154b^2)a^3 + (-23403696b^5 - 142399586b^3 + 962568b)a^2$$
$$+ (-9405712b^6 - 8241445b^4 + 54673344b^2)a + 6847664b^7 + 74546845b^5 - 67839840b^3)z^5 + (5066240b^3a^6$$
$$+ (-231566084b^4 - 13354584b^2)a^5 + (40222848b^5 + 143580776b^3 - 7173936b)a^4 + (-32723200b^6 - 349168580b^4 - 210367026b^2$$
$$+ 9984)a^3 + (11801600b^7 + 294246276b^5 + 705628562b^3 - 4860264b)a^2$$
$$+ (-971136b^8 - 63677932b^6 - 425741407b^4 - 128886000b^2)a - 246144b^9 - 12716996b^7 - 18051889b^5 + 185490512b^3)z^4 + (-4473216b^2a^7$$
$$+ (5046912b^3 + 11085768b)a^6 + (38927440b^4 - 3289008b^2 - 19968)a^5 + (-109023824b^5 - 294555328b^3 + 28790592b)a^4 + (112111920b^6$$
$$+ 820094592b^4 + 357377852b^2 - 39936)a^3 + (-51258704b^7 - 774454888b^5 - 1350109772b^3 + 9820368b)a^2 + (8640400b^8$$
$$+ 238669144b^6 + 10676800062b^4 + 161353344b^2)a + 43248b^9 + 3141708b^7 - 1450973585b^5 - 254206064b^3)z^3 + (1622016b^2a^9$$
$$+ (-10821632b^3 - 4964256b)a^8 + (29720576b^4 + 43132224b^2 + 9984)a^7 + (-43268096b^5 - 116043120b^3 - 33304728b)a^6$$
$$+ (35269632b^6 + 106757748b^4 + 99220528b^2 + 59904)a^5 + (-14662656b^7 + 32944284b^5 + 162178368b^3$$
$$- 43358112b)a^4 + (1087488b^8 - 126276768b^6 - 79325446b^4 - 29110732b^2 + 59904)a^3 + (1614848b^9 + 84681168b^7$$
$$+ 866667560b^5 + 1269715444b^3 - 9925200b)a^2$$
$$+ (-639488b^{10} - 21872436b^8 - 316689940b^6 - 1133934986b^4 - 113059152b^2)a + 77312b^{11} + 1637028b^9 + 15147448b^7 + 220542734b^5 + 191498880b^3)z^2$$
$$+ (-3244032b^2a^9 + (23085056b^3 + 9928512b)a^8 + (-68632576b^4 - 79306752b^2 - 19968)a^7 + (111030272b^5 + 235618272b^3$$
$$+ 33377112b)a^6 + (-106395648b^6 - 33240149b^4 - 13530129b^2 - 59904)a^5 + (61003776b^7 + 22214306b^5$$
$$+ 77536192b^3 + 29040192b)a^4 + (-19534848b^8 - 43007216b^6 + 27383912b^4 + 11089259b^2 - 39936)a^3$$
$$+ (2550784b^9 - 24259280b^7 - 411763812b^5 - 587901922b^3 + 5017512b)a^2 + (206848b^{10} + 12846552b^8$$
$$+ 176787520b^6 + 57182111b^4 + 42002880b^2)a - 69632b^{11} - 1570328b^9 - 14571312b^7 - 129650879b^5 - 76061696b^3)z$$
$$+ 1622016b^2a^9 + (-12263424b^3 - 4964256b)a^8 + (39018496b^4 + 40647744b^2 + 9984)a^7$$
$$+ (-68294656b^5 - 130303088b^3 - 11158152b)a^6 + (72244224b^6 + 212639444b^4 + 52727688b^2 + 19968)a^5$$
$$+ (-47619072b^7 - 191358340b^5 - 70351400b^3 - 7298736b)a^4 + (19305984b^8 + 94736688b^6 - 312052b^4 - 14927250b^2 + 9984)a^3 + (-4505088b^9 - 23500768b^7$$
$$+ 58177744b^5 + 107019554b^3 - 1014984b)a^2 + (505856b^{10} + 2048252b^8 - 32620360b^6 - 112314203b^4 - 6456528b^2)a$$
$$- 14336b^{11} + 59348b^9 + 3548608b^7 + 28059267b^5 + 12501968b^3)z_1^2 z_2 z_3$$

$$
\begin{aligned}
&- 2048bz^{13}(z-1)(108864b^5z^7+(-2882304b^4a+2046384b^5+610920b^3)z^6+(1520640b^4a^3\\
&+(-3595968b^5-976140b^3)a^2+(2706048b^6+17476920b^4-6418592b^2)a-658368b^7-13634712b^5+4330840b^3)z^5\\
&+(-9200960b^3a^4+(23234656b^4+32087436b^2)a^3+(-17973984b^5-86064021b^3+962568b)a^2+(3243136b^6\\
&+35978866b^4+29789856b^2)a+889984b^7+11752147b^5-29484120b^3)z^4+(2533120b^3a^6\\
&+(-11030528b^4-8903056b^2)a^5+(19022848b^5+70440632b^3-7173936b)a^4+(-16467712b^6-156005192b^4-101994304b^2\\
&+19968)a^3+(7402240b^7+139650788b^5+321295060b^3-3915168b)a^2\\
&+(-1575680b^8-49681576b^6-245709456b^4-54902784b^2)a+111616b^9+4063744b^7+42813652b^5+62383888b^3)z^3+(-2982144b^2a^7\\
&+(8266816b^3+11085768b)a^6+(-642080b^4-27302520b^2-39936)a^5+(-20116384b^5-55863884b^3+21701520b)a^4+(272590008b^6\\
&+223778480b^4+112274416b^2-59904)a^3+(-15243680b^7-236143696b^5-435125174b^3+5972592b)a^2\\
&+(3789536b^8+95725648b^6+387528412b^4+50150144b^2)a-318784b^9-10856328b^7-94966878b^5\\
&-62716648b^3)z^2+(1081344b^2a^9+(-6979584b^3-4964256b)a^8+(19013632b^4+36026912b^2+19968)a^7\\
&+(-28700672b^5-99273768b^3-22286352b)a^6+(26370048b^6+135870688b^4+84629712b^2+79872)a^5\\
&+(-15166464b^7-97751344b^5-74896632b^3-21896208b)a^4+(5360640b^8+33620592b^6-62074064b^4-46864912b^2+59904)a^3\\
&+(-1075200b^9-2417960b^7+130057844b^5+255438512b^3-4049952b)a^2+(97280b^{10}-1353360b^8-64233888b^6-251900168b^4-22658400b^2)a\\
&-1024b^{11}+230208b^9+8607368b^7+69610556b^5+30898392b^3)z-1081344b^2a^9+(7340032b^3+4964256b)a^8\\
&+(-20963328b^4-35198752b^2-19968)a^7+(33222656b^5+99091176b^3+11213064b)a^6\\
&+(-32243712b^6-146128320b^4-48479880b^2-39936)a^5+(19842048b^7+123433936b^5+69622140b^3+7368624b)a^4\\
&+(-7698432b^8-60576848b^6-30550200b^4+4497364b^2-19968)a^3+(1793024b^9+16495848b^7-11945480b^5-54568237b^3+1029960b)a^2\\
&+(-221184b^{10}-2169712b^8+12227320b^6+59507730b^4+4039776b^2)a+10240b^{11}+92512b^9-2044944b^7-177300013b^5-6023272b^3)z_1z_2z_3\\
&-4096b^2z^{14}(z-1)^2(15552b^5z^6+(-480384b^4a+355536b^5+122184b^3)z^5+(253440b^4a^3\\
&+(-554688b^5-195228b^3)a^2+(400896b^6+2634300b^4-1604648b^2)a-97344b^7-2079612b^5+992896b^3)z^4+(-1840192b^3a^4\\
&+(4468544b^4+8021859b^2)a^3+(-3718752b^5-19391765b^3+320856b)a^2+(1109456b^6+11251889b^4\\
&+5782704b^2)a-29392b^7-382175b^5-4878392b^3)z^3+(506624b^3a^6+(-1992832b^4-2225764b^2)a^5+(3177088b^5\\
&+13170740b^3-2391312b)a^4+(-2606976b^6-25152820b^4-16555229b^2+9984)a^3+(1147520b^7+21028772b^5\\
&+5080399 5b^3-990024b)a^2+(-252416b^8-7674052b^6-40639543b^4-7695264b^2)a+20992b^9+870308b^7\\
&+9141105b^5+7448472b^3)z^2+(-745536b^2a^7+(2463360b^3+3695256b)a^6\\
&+(-2746640b^4-10992388b^2-19968)a^5+(634512b^5+5139928b^3+4857504b)a^4+(1034960b^6+13572848b^4+8936721b^2-19968)a^3\\
&+(-865616b^7-18431588b^5-42577527b^3+1017480b)a^2+(248832b^8+8059172b^6+39364427b^4+4461008b^2)a-23872b^9-1055804b^7\\
&-10685525b^5-4844272b^3)z+270336b^2a^9+(-1531904b^3-1654752b)a^8+(3756032b^4+9347440b^2+9984)a^7\\
&+(-5218304b^5-21937080b^3-3742680b)a^6+(4514304b^6+27823668b^4+13311336b^2+19968)a^5\\
&+(-2511360b^7-20690476b^5-16568028b^3-2466192b)a^4+(892416b^8+9110104b^6+6916228b^4-403351b^2+9984)a^3\\
&+(-193024b^9-2265360b^7+1656704b^5+11360525b^3-348312b)a^2+(22528b^{10}+278020b^8-1892144b^6-12130689b^4-943800b^2)a\\
&-1024b^{11}-11564b^9+312024b^7+3635119b^5+1159112b^3)z_2z_3+324z^2(3z-2)(10z-7)z_1^{13}z_3\\
&+72z^3((504a-792b)z^3+(48a+651b)z^2+(-712a+104b)z+303a-122b)z_1^{12}z_3\\
&+144z^4(108z^5-6930z^4+(1824a^2-3408ba+1176b^2+21003)z^3+(2612a^2-10100ba+6113b^2\\
&-22366)z^2+(-6098a^2+18514ba-9854b^2+9739)z+2367a^2-6856ba+3514b^2-1420)z_1^{11}z_3\\
&-288z^5((7416a-11916b)z^5+(-25485a+68700b)z^4+(-5840a^3+18816ba^2+(-19584b^2+52676)a\\
&+6016b^3-173683b)z^3+(-2764a^3+11042ba^2+(-7325b^2-68191)a+1747b^3+207842b)z^2+(11016a^3\\
&-36630ba^2+(30158b^2+43971)a-7808b^3-115015b)z-4361a^3+13811ba^2+(-10860b^2-10539)a+2582b^3+23724b)z_1^{10}z_3\\
&-32z^6(15552z^8-135432z^7+(22464a^2-79488ba+115776b^2-29052)z^6+(-162792a^2+1336320ba\\
&-1897704b^2+1124928)z^5+(-29952a^4+195840ba^3+(-517248b^2+139818)a^2+(622080b^3-3252540b)a\\
&-231552b^4+5349810b^2-1419831)z^4+(-108096a^4+195360ba^3+(442272b^2+746736)a^2+(-1211904b^3\\
&+2970744b)a+555264b^4-7551702b^2-562302)z^3+(-36864a^6+331776ba^5+(-1161216b^2-235540)a^4\\
&+(1990656b^3+1627600b)a^3+(-1741824b^4-3857650b^2-1766740)a^2+(746496b^5+3784788b^3-711164b)a\\
&-124416b^6-1218282b^4+6360890b^2+1935270)z^2+(49152a^6-442368ba^5+(1548288b^2+536250)a^4\\
&+(-2654208b^3-2930236b)a^3+(2322432b^4+5716508b^2+1358328)a^2+(-995328b^5-4555884b^3-441676b)a+165888b^6\\
&+1243398b^4-2978350b^2-1136022)z-16384a^6+147456ba^5+(-516096b^2-216390)a^4+(884736b^3\\
&+1143996b)a^3+(-774144b^4-2149378b^2-350130)a^2+(331776b^5+1612488b^3+205620b)a-55296b^6-412584b^4+577664b^2+205745)z_1^9z_3\\
&+32z^7((46656a-326592b)z^8+(-160272a+2497824b)z^7+(130752a^3-969408ba^2+(2237760b^2\\
&+47628)a-2136384b^3-2309688b)z^6+(619488a^3-509760ba^2+(-7852032b^2+4372395)a+13480128b^3\\
&-17579874b)z^5+(273408a^5-1728000ba^4+(4057344b^2-2132588)a^3+(-3802368b^3+6153972b)a^2+(608256b^4\\
&+12458160b^2-11350785)a+350208b^5-28732436b^3+41361678b)z^4+(-672928a^5+5642976ba^4\\
&+(-16210848b^2-317888)a^3+(19068896b^3-524416b)a^2+(-7336704b^4-22219156b^2+7188454)a+301824b^5+33605788b^3\\
&-23490932b)z^3+(245760a^7-2187264ba^6+(7852032b^2+1792112)a^5+(-14708736b^3-12454196b)a^4
\end{aligned}
$$

$$+ (15593472b^4 + 32098964b^2 + 5312712)a^3 + (-9455616b^5 - 36907748b^3 - 14457200b)a^2 + (3068928b^6 + 16686404b^4$$
$$+ 32081996b^2 + 4399158)a - 414720b^7 - 2122952b^5 - 26316036b^3 - 12114400b)z^2 + (-311296a^7 + 2736128ba^6$$
$$+ (-9658368b^2 - 1867232)a^5 + (17694720b^3 + 11153704b)a^4 + (-18247680b^4 - 25198696b^2 - 4927356)a^3 + (10727424b^5$$
$$+ 26448680b^3 + 14150200b)a^2 + (-3373056b^6 - 11791688b^4 - 22104532b^2 - 6379385)a + 442368b^7 + 1666816b^5$$
$$+ 12850492b^3 + 16213150b)z + 98304a^7 - 851968ba^6 + (2949120b^2 + 581424)a^5 + (-5259264b^3 - 3125140b)a^4$$
$$+ (5234688b^4 + 6203524b^2 + 1345200)a^3 + (-2949120b^5 - 5672116b^3 - 3906396b)a^2 + (884736b^6 + 2227740b^4$$
$$+ 5419292b^2 + 1834071)a - 110592b^7 - 269552b^5 - 2735328b^3 - 4240350b)z_1^8 z_3$$
$$+ 64z^8((373248ba - 1461888b^2)z^8 + (-754272a^2 + 620352ba + 9297072b^2 - 4381065)z^7 + (157248a^4$$
$$- 8064ba^3 + (-3400704b^2 + 3993012)a^2 + (8747136b^3 - 9798336b)a - 7364160b^4 - 12938796b^2 + 27623118)z^6$$
$$+ (-1537120a^4 + 12535136ba^3 + (-26828448b^2 - 19094617)a^2 + (6196640b^3 + 81992086b)a + 22717856b^4$$
$$- 86747278b^2 - 74992023)z^5 + (406016a^6 - 1996288ba^5 + (2504448b^2 + 4894316)a^4 + (2252288b^3 - 44634976b)a^3$$
$$+ (-6882304b^4 + 117218784b^2 + 52131123)a^2 + (4111872b^5 - 84313048b^3 - 235703028b)a - 664320b^6 - 22979272b^4$$
$$+ 305491274b^2 + 113987540)z^4 + (-1693440a^6 + 10400128ba^5 + (-21140064b^2 - 9000812)a^4 + (11758336b^3$$
$$+ 65643928b)a^3 + (9273184b^4 - 165292896b^2 - 73769446)a^2 + (-9361536b^5 + 129322232b^3 + 301274388b)a$$
$$+ 1738624b^6 + 8774864b^4 - 379990292b^2 - 105148359)z^3 + (352256a^8 - 2908160ba^7 + (9629696b^2 + 2491472)a^6$$
$$+ (-16441344b^3 - 13481296b)a^5 + (15446016b^4 + 21317464b^2 + 9790476)a^4 + (-7741440b^5 + 2332832b^3 - 49257384b)a^3 + (1658880b^6$$
$$- 32695568b^4 + 100394848b^2 + 55301322)a^2 + (55296b^7 + 23357312b^5 - 66252576b^3 - 184506664b)a - 55296b^8$$
$$- 4557016b^6 - 6296112b^4 + 210342660b^2 + 59094830)z^2 + (-491520a^8 + 4194304ba^7 + (-14647296b^2 - 1853696)a^6$$
$$+ (27254784b^3 + 9121344b)a^5 + (-29478912b^4 - 12552256b^2 - 5744100)a^4 + (18874368b^5 - 5003936b^3$$
$$+ 19931488b)a^3 + (-6893568b^6 + 24832624b^4 - 24924872b^2 - 21015977)a^2 + (1271808b^7 - 17362416b^5 + 3285072b^3$$
$$+ 49397542b)a - 82944b^8 + 3548400b^6 + 7448824b^4 - 44495302b^2 - 18805881)z + 172032a^8 - 1515520ba^7$$
$$+ (5550080b^2 + 575600)a^6 + (-11059200b^3 - 3043248b)a^5 + (13142016b^4 + 5708616b^2 + 1374520)a^4$$
$$+ (-9529344b^5 - 3566432b^3 - 3725712b)a^3 + (4107264b^6 - 1641416b^4 + 1748624b^2 + 3208231)a^2 + (-958464b^7 + 2379584b^5 + 3939648b^3$$
$$- 3656244b)a + 92160b^8 - 593424b^6 - 2562848b^4 + 522726b^2 + 2621840)z_1^7 z_3$$
$$+ 128z^9((1306368b^2a - 3701376b^3)z^8 + (-5279904ba^2 + (7869312b^2 + 4503249)a + 18510768b^3$$
$$- 31034007b)z^7 + (1100736ba^4 + (-3210624b^2 + 57456)a^3 + (-2616192b^3 + 29159712b)a^2 + (15244416b^4$$
$$- 67534056b^2 - 23595677)a - 12972096b^5 - 22934412b^3 + 191055754b)z^6 + (-993312a^5 - 3096784ba^4$$
$$+ (45022160b^2 - 602471)a^3 + (-105222480b^3 - 120828213b)a^2 + (65623280b^4 + 399810016b^2 + 48395793)a$$
$$+ 16721600b^5 - 260166610b^3 - 502405977b)z^5 + (176128a^7 + 663040ba^6 + (-8573184b^2 + 3152184)a^5$$
$$+ (24907520b^3 + 9572004b)a^4 + (-32175616b^4 - 164927088b^2 + 5308141)a^3 + (19855872b^5 + 450492336b^3$$
$$+ 285146917b)a^2 + (-5527040b^6 - 400836552b^4 - 1088100174b^2 - 45702245)a + 509440b^7 + 55973304b^5 + 996377662b^3$$
$$+ 732580380b)z^4 + (-1250688a^7 + 2564992ba^6 + (17022048b^2 - 3629824)a^5 + (-73658272b^3 - 26941908b)a^4$$
$$+ (112064992b^4 + 287046540b^2 - 15227870)a^3 + (-79298592b^5 - 754874984b^3 - 349062434b)a^2 + (26564352b^6$$
$$+ 710350152b^4 + 1432836008b^2 + 13150043)a - 3426752b^7 - 153944192b^5 - 1446271172b^3 - 641162457b)z^3$$
$$+ (245760a^9 - 1449984ba^8 + (1896448b^2 + 1005472)a^7 + (5337088b^3 + 3958960b)a^6 + (-21282816b^4 - 52231016b^2$$
$$+ 2009936)a^5 + (31309824b^5 + 155630024b^3 + 34174916b)a^4 + (-24864768b^6 - 209529776b^4 - 253756116b^2$$
$$+ 19141422)a^3 + (11280384b^7 + 141267584b^5 + 610593312b^3 + 217094534b)a^2$$
$$+ (-2764800b^8 - 47047128b^6 - 572636672b^4 - 952751808b^2 + 10174001)a + 285696b^9 + 6277480b^7 + 141969904b^5 + 1015533756b^3 + 337938538b)z^2$$
$$+ (-393216a^9 + 2670592ba^8 + (-5971968b^2 - 35904)a^7 + (1695744b^3 - 8875424b)a^6 + (14536704b^4 + 57512272b^2 - 654320)a^5$$
$$+ (-27549696b^5 - 143612176b^3 - 19198780b)a^4 + (23433216b^6 + 175442016b^4 + 111037536b^2 - 11161267)a^3$$
$$+ (-10721280b^7 - 110464336b^5 - 237047608b^3 - 61425889b)a^2 + (2562048b^8 + 34725328b^6 + 213963176b^4 + 299807664b^2 - 8916797)a$$
$$- 251904b^9 - 43963528b^7 - 56104168b^5 - 339018882b^3 - 99777815b)z + 147456a^9 - 1056768ba^8 + (2650112b^2 - 126112)a^7 + (-1830912b^3$$
$$+ 3777328b)a^6 + (-3710976b^4 - 21038056b^2 + 114504)a^5 + (8988672b^5 + 49823592b^3 + 4136664b)a^4$$
$$+ (-8266752b^6 - 59095064b^4 - 19776904b^2 + 2485005)a^3 + (3947520b^7 + 36458472b^5 + 35985520b^3 + 5191949b)a^2$$
$$+ (-967680b^8 - 11218656b^6 - 29702696b^4 - 33249986b^2 + 1991633)a + 96256b^9 + 1375344b^7 + 7843328b^5 + 41688570b^3 + 12805584b)z_1^6 z_3$$
$$+ 256z^{10}((2612736b^3a - 5878656b^4)z^8 + (-15839712b^2a^2 + (25213248b^3 + 27019494b)a$$
$$+ 21533904b^4 - 93957309b^2)z^7 + (3302208b^2a^4 + (-11772288b^3 + 344736b)a^3 + (7534080b^4 + 90714564b^2$$
$$- 5035761)a^2 + (11981952b^5 - 195269040b^3 - 136486566b)a - 12824640b^6 - 4733892b^4 + 567654390b^2 - 3328)z^6$$
$$+ (-5959872ba^5 + (10018432b^2 + 6118177)a^4 + (61066624b^3 - 37272956b)a^3 + (-176484864b^4 - 275285819b^2$$
$$+ 29555262)a^2 + (1270641285^5 + 908030666b^3 + 260146830b)a - 1045952b^6 - 469339910b^4 - 1453506387b^2$$
$$+ 16640)z^5 + (1056768ba^7 + (-3534848b^2 - 937264)a^6 + (-4101120b^3 + 28696960b)a^5 + (34526464b^4$$
$$- 72026812b^2 - 30922333)a^4 + (-61498368b^5 - 164025232b^3 + 197024034b)a^3 + (49588224b^6 + 702349384b^4$$
$$+ 395454365b^2 - 72236255)a^2 + (-18904064b^7 - 679700536b^5 - 2190461688b^3 - 199314926b)a + 2750720b^8$$
$$+ 144007152b^6 + 1704261278b^4 + 2041665876b^2 - 33280)z^4 + (-240640a^8 - 4263680ba^7 + (26092544b^2 + 6158880)a^6$$

$$+ (-39024192b^3 - 80081552b)a^5 + (-25008992b^4 + 215135060b^2 + 61742386)a^4 + (123952576b^5 + 1262690008b^3 - 413453272b)a^3$$
$$+ (-1276575568b^6 - 10927855776b^4 - 141187194b^2 + 94096804)a^2 + (55371264b^7 + 1201815864b^5 + 2684497772b^3 - 20139598b)a - 8843968b^8$$
$$- 318695600b^6 - 2546890332b^4 - 1696155827b^2 + 33280)z^3 + (65536a^{10} + 294912ba^9 + (-5021696b^2 - 738752)a^8$$
$$+ (20283392b^3 + 16070144b)a^7 + (-41342976b^4 - 76849568b^2 - 11409856)a^6 + (49784832b^5 + 147274432b^3$$
$$+ 115695344b)a^5 + (-37407744b^6 - 101566072b^4 - 328403652b^2 - 60868274)a^4 + (176148488b^7 - 44532320b^5$$
$$+ 133634976b^3 + 426296036b)a^3 + (-4979712b^8 + 106201816b^6 + 717064536b^4 - 226863494b^2 - 68889919)a^2$$
$$+ (749568b^9 - 562154088b^7 - 956397184b^5 - 1658993048b^3 + 134735822b)a - 43008b^{10} + 9953440b^8 + 286363112b^6$$
$$+ 1887126452b^4 + 831815414b^2 - 16640)z^2 + (-131072a^{10} - 98304ba^9 + (6422528b^2 + 1506112)a^8$$
$$+ (-30097408b^3 - 19860736b)a^7 + (68268032b^4 + 86788128b^2 + 8096288)a^6 + (-92135424b^5 - 179675296b^3 - 75687696b)a^5$$
$$+ (79417344b^6 + 1918242216b^4 + 224287436b^2 + 29607005)a^4$$
$$+ (-444026888b^7 - 95403184b^5 - 2055028488b^3 - 216018300b)a^3 + (156364808b^8 + 62212648b^6 - 1570228568b^4 + 238500789b^2 + 26872702)a^2 + (-3153920b^9$$
$$+ 119787368b^7 + 3380895048b^5 + 4602227788b^3 - 82744358b)a + 277504b^{10} - 32143968b^8 - 1149852568b^6 - 6790395908b^4$$
$$- 222520093b^2 + 3328)z + 65536a^{10} - 196608ba^9 + (-10731528b^2 - 526720)a^8 + (70615048b^3 + 60730888b)a^7$$
$$+ (-172421128b^4 - 246297608b^2 - 19063848)a^6 + (237219848b^5 + 486416968b^3 + 173201768b)a^5$$
$$+ (-205547528b^6 - 519059848b^4 - 526372808b^2 - 56769618)a^4 + (115998728b^7 + 294490088b^5 + 619890888b^3 + 430809708b)a^3$$
$$+ (-41809928b^8 - 70277368b^6 - 33238488b^4 - 654993238b^2 - 43628338)a^2 + (8785928b^9 - 4511688b^7 - 411301288b^5 - 358542568b^3 + 167833028b)a - 819208b^{10} + 3696568b^8$$
$$+ 167946248b^6 + 929684428b^4 + 2500393628b^2)z_1^5 z_3$$
$$+ 512z^{11}((32659208b^4a - 60963848b^5)z^8 + (-263995208b^3a^2 + (409579208b^4 + 675487358b^2)a$$
$$+ 146867048b^5 - 1576137158b^3)z^7 + (55036808b^3a^4 + (-201369608b^4 + 8618408b^2)a^3 + (200862728b^5 + 1559325608b^3$$
$$- 251788058b)a^2 + (8640008b^6 - 3095435528b^4 - 3317069718b^2 + 33288)a - 70404488b^7 + 370311488b^5 + 9392756188b^3$$
$$- 166408b)z^6 + (-148996808b^2a^5 + (427447208b^3 + 305908858b)a^4 + (212417768b^4 - 1612839978b^2 + 5258568)a^3$$
$$+ (-1526902568b^5 - 2779262318b^3 + 1464759348b)a^2 + (1213266728b^6 + 11441727388b^4 + 5937472078b^2 - 133128)a - 111753608b^7$$
$$- 5259056148b^5 - 23560220298b^3 + 832008b)z^5 + (26419208b^2a^7 + (-134092808b^3 - 46863208b)a^6 + (211870728b^4$$
$$+ 917505128b^2 - 14939528)a^5 + (-1648648b^5 - 2992894608b^3 - 1442670978b)a^4 + (-337482248b^6 + 1662263928b^4$$
$$+ 8016143658b^2 - 26342728)a^3 + (367674888b^7 + 4497386648b^5 - 2359828338b^3 - 3546455958b)a^2$$
$$+ (-158274568b^8 - 5583866088b^6 - 22501307488b^4 - 3577294838b^2 + 166408)a + 24760328b^9 + 1348473688b^7 + 16794558908b^5 + 32080062688b^3 - 1664008b)z^4$$
$$+ (-12032008ba^8 + (-40491528b^2 + 14269768)a^7 + (487343368b^3 + 145726728b)a^6 + (-1213302728b^4 - 2457612088b^2 + 59658248)a^5$$
$$+ (1093067208b^5 + 8179187328b^3 + 2681462588b)a^4 + (25865928b^6 - 77549802888b^4 - 15886698908b^2 + 52835208)a^3$$
$$+ (-647014728b^7 - 4181389608b^5 + 14521273228b^3 + 4573475568b)a^2 + (377275848b^8 + 9103687848b^6 + 22532576768b^4 - 2365422358b^2)a$$
$$- 67757128b^9 - 2762976328b^7 - 24368879008b^5 - 25408421098b^3 + 1664008b)z^3 + (3276808ba^{10}$$
$$+ (-16711688b^2 - 4622088)a^9 + (7127048b^3 + 36185608b)a^8 + (132915208b^4 + 118433928b^2 - 42726088)a^7$$
$$+ (-426946568b^5 - 1281235848b^3 - 99088328b)a^6 + (653076488b^6 + 3483428568b^4 + 2933191448b^2 - 89437448)a^5$$
$$+ (-591083528b^7 - 4369522248b^5 - 10487681888b^3 - 2446568508b)a^4 + (332482568b^8 + 2596324088b^6 + 12612349808b^4 + 15567986428b^2 - 53034888)a^3$$
$$+ (-114391048b^9 - 503178808b^7 - 1192134008b^5 - 1948421438b^3 - 3312488598b)a^2 + (22077448b^{10} - 128331768b^8 - 6328209128b^6 - 100502694808b^4 + 4756226478b^2 - 166408)a$$
$$- 1832968b^{11} + 48654688b^9 + 2386208728b^7 + 17974601648b^5 + 11554544348b^3 - 832008b)z^2 + (-6553608ba^{10} + (43253768b^2$$
$$+ 9244168)a^9 + (-93552648b^3 - 64007688b)a^8 + (4341768b^4 - 8275208b^2 + 42692808)a^7 + (345006088b^5 + 971989768b^3$$
$$- 51916808b)a^6 + (-723947528b^6 - 3074292648b^4 - 1410256408b^2 + 59658248)a^5 + (764129288b^7 + 4417595528b^5$$
$$+ 5881329168b^3 + 1089863938b)a^4 + (-4778188888b^8 - 3333325288b^6 - 8297556888b^4 - 7527740818b^2 + 26642248)a^3$$
$$+ (179097608b^9 + 1290302888b^7 + 3167471928b^5 + 11232088618b^3 + 1277305908b)a^2 + (-37273608b^{10} - 212159208b^8$$
$$+ 1672650488b^6 + 743010828b^4 - 2620360118b^2 + 133128)a + 3317768b^{11} + 5200328b^9 - 918276248b^7 - 6487083028b^5$$
$$- 2726551718b^3 + 166408b)z + 3276808ba^{10} + (-26542088b^2 - 4622088)a^9 + (89702408b^3 + 39854088b)a^8$$
$$+ (-162160648b^4 - 109952648b^2 - 14236488)a^7 + (160747528b^5 + 59251848b^3 + 52191528b)a^6 + (-65034248b^6 + 284265048b^4 + 165786008b^2 - 14939528)a^5$$
$$+ (-32716808b^7 - 661183368b^5 - 1063886408b^3 - 187995898b)a^4 + (56064008b^8 + 627909848b^6 + 1774959288b^4 + 1434543698b^2 - 5358408)a^3$$
$$+ (-30382088b^9 - 296468568b^7 - 976764568b^5 - 2425428858b^3 - 204808218b)a^2 + (7874568b^{10} + 64966288b^8 - 79727448b^6 + 487479928b^4 + 510961118b^2 - 33288)a$$
$$- 819208b^{11} - 4610328b^9 + 127460808b^7 + 889651268b^5 + 243967048b^3)z_1^4 z_3$$
$$+ 1024z^{12}((26127368b^5a - 41368328b^6)z^8 + (-263995208b^4a^2 + (383978888b^5 + 900649808b^3)a$$
$$+ 53511848b^6 - 1582246358b^4)z^7 + (55036808b^4a^4 + (-194330888b^5 + 11491208b^3)a^3 + (211921928b^6 + 1600234208b^4$$
$$- 503576108b^2)a^2 + (-56643848b^7 - 2905560008b^5 - 4338757648b^3 + 133128b)a - 17988488b^8 + 554096688b^6 + 9348645228b^4$$
$$- 332808b^2)z^6 + (-198662408b^3a^5 + (626580808b^4 + 611817708b^2)a^4 + (-292943688b^5 - 2844558488b^3 + 21034248b)a^3$$
$$+ (-686489288b^6 - 991605518b^4 + 2909928288b^2 - 33288)a^2 + (655062088b^7 + 8560722508b^5 + 7411119088b^3 - 532488b)a - 87809448b^8$$
$$- 3726819628b^6 - 23124229818b^4 + 1664008b^2)z^5 + (35225608b^3a^7 + (-192384008b^4 - 93726408b^2)a^6 + (394767368b^5$$
$$+ 1430761288b^3 - 59758088b)a^5 + (-353907208b^6 - 4632250528b^4 - 2726276828b^2 + 99848)a^4 + (85048328b^7 + 4801728008b^5$$
$$+ 13627510608b^3 - 105820168b)a^3 + (73036808b^8 + 31259848b^6 - 10830262678b^4 - 6994092548b^2 + 166408)a^2$$
$$+ (-51205128b^9 - 22139885568b^7 - 11866217168b^5 - 3501529008b^3 + 665608b)a + 9223688b^{10} + 630347688b^8 + 9898782228b^6 + 30774100128b^4 - 3328008b^2)z^4$$

$$
\begin{aligned}
&+ (-2406400b^2a^8 + (1426432b^3 + 5707904b)a^7 + (41195392b^4 + 4092400b^2 - 9984)a^6 + (-128905856b^5 - 317873600b^3 \\
&+ 23953152b)a^5 + (156730848b^6 + 1134199708b^4 + 473991316b^2 - 39936)a^4 \\
&+ (-79880576b^7 - 1383550536b^5 - 2604100928b^3 + 21308800b)a^3 + (5040032b^8 + 403046192b^6 + 2988266054b^4 + 894776072b^2 - 33280)a^2 \\
&+ (9149888b^9 + 2798896008b^7 + 570716556b^5 - 485160004b^3)a - 2262240b^{10} - 119004828b^8 - 1322206076b^6 \\
&- 2344866741b^4 + 332800b^2)z^3 + (655360b^2a^{10} + (-4718592b^3 - 1848832b)a^9 + (13516800b^4 + 18552256b^2 + 3328)a^8 \\
&+ (-18546688b^5 - 50533632b^3 - 17135360b)a^7 + (8863744b^6 + 11887056b^4 + 52572912b^2 + 29952)a^6 + (8847360b^7 + 1601924432b^5 + 238621600b^3 \\
&- 36034560b)a^5 + (-16997376b^8 - 291601496b^6 - 1196375036b^4 - 397830868b^2 + 59904)a^4 + (12214272b^9 \\
&+ 2180612806^7 + 1689971032b^5 + 2463216104b^3 - 21468544b)a^3 \\
&+ (-4724736b^{10} - 72255008b^8 - 757277968b^6 - 3322109538b^4 - 642439318b^2 + 33280)a^2 + (972800b^{11} + 6498960b^9 - 112222016b^7 \\
&+ 327093192b^5 + 762056868b^3 - 66560b)a - 83968b^{12} + 915892b^{10} + 97109480b^8 + 9259181086^6 + 994115306b^4 - 166400b^2)z^2 + (-1310720b^2a^{10} \\
&+ (10420224b^3 + 3697664b)a^9 + (-34586624b^4 - 34045184b^2 - 6656)a^8 + (61652992b^5 + 113517568b^3 \\
&+ 17161984b)a^7 + (-62128128b^6 - 164294720b^4 - 80042288b^2 - 29952)a^6 + (31629312b^7 + 62060032b^5 + 4210944b^3 \\
&+ 24112896b)a^5 + (-1029120b^8 + 106136864b^6 + 493280276b^4 + 158287170b^2 - 39936)a^4 \\
&+ (-8491008b^9 - 143277472b^7 - 879998176b^5 - 1149734584b^3 + 10821632b)a^3 + (4960256b^{10} + 69574936b^8 + 502304648b^6 \\
&+ 1731967801b^4 + 245368956b^2 - 16640)a^2 + (-1234944b^{11} - 14081688b^9 - 20113552b^7 - 446563830b^5 - 400781940b^3 + 53248b)a + 119808b^{12} \\
&+ 789448b^{10} - 35172548b^8 - 318136626b^6 - 202770219b^4 + 33280b^2)z + 655360b^2a^{10} \\
&+ (-5701632b^3 - 1848832b)a^9 + (21233664b^4 + 17899328b^2 + 3328)a^8 + (-44187648b^5 - 68857344b^3 - 5734528b)a^7 + (56246272b^6 \\
&+ 136228272b^4 + 32754608b^2 + 9984)a^6 + (-44998656b^7 - 147370352b^5 - 48198784b^3 - 6055680b)a^5 + (22173696b^8 \\
&+ 83493336b^6 - 36037240b^4 - 23001706b^2 + 9984)a^4 + (-6088704b^9 - 18254688b^7 + 142246384b^5 + 211175492b^3 \\
&- 2183296b)a^3 + (586752b^{10} - 3073044b^8 - 103902800b^6 - 349562439b^4 - 38931674b^2 + 3328)a^2 + (102400b^{11} \\
&+ 1977056b^9 + 14084352b^7 + 128849756b^5 + 76736852b^3 - 13312b)a - 22528b^{12} - 208152b^{10} + 4598736b^8 \\
&+ 40603906b^6 + 11894736b^4)z_1^3z_3 \\
&+ 2048bz^{13}((1306368b^5a - 1772928b^6)z^8 + (-15839712b^4a^2 + (21053952b^5 + 67548735b^3)a \\
&+ 661392b^6 - 95056965b^4)z^7 + (3302208b^4a^4 + (-10871424b^5 + 861840b^3)a^3 + (11753856b^6 + 98078112b^4 \\
&- 50357610b^2)a^2 + (-4268160b^7 - 161184888b^5 - 322315971b^3 + 19968b)a + 16704b^8 + 35768268b^6 + 559732926b^4 \\
&- 33280b^2)z^6 + (-14899680b^3a^5 + (45862480b^4 + 61181770b^2)a^4 + (-34107728b^5 - 249356057b^3 + 3155136b)a^3 \\
&+ (-13719792b^6 + 28653781b^4 + 289675500b^2 - 9984)a^2 + (20635888b^7 + 385743488b^5 + 536383887b^3 - 79872b)a \\
&- 3398192b^8 - 163963334b^6 - 1374943467b^4 + 166400b^2)z^5 + (2641920b^3a^7 + (-14027264b^4 - 9372640b^2)a^6 \\
&+ (29316864b^5 + 118412152b^3 - 8963712b)a^5 + (-30397184b^6 - 355005940b^4 - 261503794b^2 + 29952)a^4 \\
&+ (15799296b^7 + 396543184b^5 + 1165469727b^3 - 15920448b)a^3 \\
&+ (-3220992b^8 - 135933872b^6 - 1054493653b^4 - 692741702b^2 + 49920)a^2 + (-252416b^9 - 30684076b^7 - 276687450b^5 - 211697387b^3 + 99840b)a \\
&+ 138752b^{10} + 15186296b^8 + 349264778b^6 + 1805883828b^4 - 332800b^2)z^4 + (-2406400b^2a^8 + (4697728b^3 + 8561856b)a^7 \\
&+ (18068480b^4 - 13570032b^2 - 29952)a^6 + (-70382432b^5 - 212757488b^3 + 36024576b)a^5 + (93431072b^6 \\
&+ 788762436b^4 + 430749892b^2 - 119808)a^4 + (-58634912b^7 - 996879580b^5 - 2171917218b^3 + 32145408b)a^3 \\
&+ (163664966^8 + 463374776b^6 + 2501689986b^4 + 881305768b^2 - 99840)a^2 + (-852224b^9 - 117532086^7 - 319755592b^5 - 434873227b^3)a \\
&- 285760b^{10} - 24683756b^8 - 401690860b^6 - 1341784523b^4 + 332800b^2)z^3 + (655360b^2a^{10} + (-4866048b^3 - 2773248b)a^9 + (15204352b^4 + 26557888b^2 + 9984)a^8 \\
&+ (-26042368b^5 - 85905760b^3 - 25750464b)a^7 + (26542080b^6 + 117468784b^4 + 102868496b^2 + 89856)a^6 + (-16032768b^7 - 45341496b^5 + 45606976b^3 \\
&- 54321408b)a^5 + (4966400b^8 - 53789544b^6 - 679259156b^4 - 334893188b^2 + 179712)a^4 + (-73728b^9 + 67847712b^7 \\
&+ 1046876516b^5 + 2003422594b^3 - 32464896b)a^3 \\
&+ (-489472b^{10} - 28334488b^8 - 575099920b^6 - 2603263262b^4 - 628858774b^2 + 99840)a^2 + (151552b^{11} + 4302724b^9 + 66092740b^7 + 701155344b^5 \\
&+ 627182927b^3 - 99840b)a - 15360b^{12} - 32572b^{10} + 17891672b^8 + 248311140b^6 + 539686814b^4 - 166400b^2)z^2 + (-1310720b^2a^{10} \\
&+ (10223616b^3 + 5546496b)a^9 + (-33783808b^4 - 48669824b^2 - 19968)a^8 + (61931520b^5 + 165176768b^3 \\
&+ 25830336b)a^7 + (-69206016b^6 - 281364384b^4 - 127629520b^2 - 89856)a^6 + (48463872b^7 + 255084528b^5 \\
&+ 148259520b^3 + 36423936b)a^5 + (-20715520b^8 - 112787632b^6 + 162276332b^4 + 117642194b^2 - 119808)a^4 \\
&+ (4743168b^9 + 102585606^7 - 452330464b^5 - 911359869b^3 + 16399680b)a^3 + (-247808b^{10} + 9618488b^8 \\
&+ 300987576b^6 + 1298566801b^4 + 238535212b^2 - 49920)a^2 \\
&+ (-116736b^{11} - 3082200b^9 - 514203486^7 - 455727920b^5 - 323821379b^3 + 79872b)a + 18432b^{12} + 217152b^{10} - 5636564b^8 - 738486946^6 - 95836837b^4 + 33280b^2)z \\
&+ 655360b^2a^{10} + (-5357568b^3 - 2773248b)a^9 + (18612224b^4 + 24518336b^2 + 9984)a^8 \\
&+ (-36069376b^5 - 86841760b^3 - 8641728b)a^7 + (43089920b^6 + 161009904b^4 + 47705360b^2 + 29952)a^6 \\
&+ (-32996352b^7 - 171104056b^5 - 84628968b^3 - 9163392b)a^5 + (16209920b^8 + 106316536b^6 + 34075368b^4 - 13176874b^2 + 29952)a^4 + (-4905984b^9 - 37133932b^7 \\
&+ 507563926^5 + 162878983b^3 - 3314880b)a^3 + (812032b^{10} + 6307140b^8 - 51355760b^6 - 2533920536^4 - 375583946^2 \\
&+ 9984)a^2 + (-48128b^{11} - 274768b^9 + 11395292b^7 + 104096698b^5 + 61592415b^3 - 19968b)a - 2048b^{12} - 23128b^{10} \\
&+ 624048b^8 + 72702386^6 + 2318224b^4)z_1^2z_3 \\
&+ 4096b^2z^{14}(z-1)((373248b^5a - 435456b^6)z^7 + (-5279904b^4a^2 + (6644160b^5 + 27019494b^3)a
\end{aligned}
$$

$$
\begin{aligned}
&- 559008b^6 - 31644927b^4)z^6 + (1100736b^4a^4 + (-3291264b^5 + 344736b^3)a^3 + (3362688b^6 + 27970668b^4\\
&- 25178805b^2)a^2 + (-1289088b^7 - 42121584b^5 - 101954272b^3 + 13312b)a + 100800b^8 + 10506636b^6 + 155030579b^4\\
&- 16640b^2)z^5 + (-5959872b^3a^5 + (17917312b^4 + 30590885b^2)a^4 + (-16646720b^5 - 107385868b^3 + 2103424b)a^3\\
&+ (2989104b^6 + 56177095b^4 + 119321137b^2 - 9984)a^2 + (2381056b^7 + 57580918b^5 + 112107214b^3 - 39936b)a\\
&- 590480b^8 - 30456054b^6 - 303635294b^4 + 66560b^2)z^4 + (1056768b^3a^7 + (-5166080b^4 - 4686320b^2)a^6\\
&+ (10179584b^5 + 44066400b^3 - 5975808b)a^5 + (-10363136b^6 - 116271380b^4 - 96990380b^2 + 29952)a^4 + (5747200b^7\\
&+ 126774576b^5 + 388486542b^3 - 8528512b)a^3 + (-1642240b^8 - 56877828b^6 - 378970926b^4 - 225335610b^2 + 39936)a^2\\
&+ (185344b^9 + 5631904b^7 + 46370486b^5 + 30614368b^3 + 26624b)a + 1536b^{10} + 1177892b^8 + 40119526b^6\\
&+ 297167518b^4 - 99840b^2)z^3 + (-1203200b^2a^8 + (3790592b^3 + 5707904b)a^7 + (-896640b^4 - 16607296b^2 - 29952)a^6\\
&+ (-10119872b^5 - 32243792b^3 + 18077184b)a^5 + (16636768b^6 + 163182952b^4 + 106368622b^2 - 89856)a^4\\
&+ (-11545088b^7 - 211131024b^5 - 521725690b^3 + 12969984b)a^3 + (3864096b^8 + 110035476b^6 + 596006092b^4 + 211853914b^2 - 59904)a^2\\
&+ (-532480b^9 - 179185568b^7 - 169145558b^5 - 150222766b^3 + 26624b)a + 8896b^{10} - 852504b^8 - 25487786b^6 - 145326835b^4 + 66560b^2)z^2\\
&+ (327680b^2a^{10} + (-2260992b^3 - 1848832b)a^9 + (6651904b^4 + 14423808b^2 + 9984)a^8 + (-10993664b^5 - 43364352b^3 - 11477376b)a^7\\
&+ (11259904b^6 + 65922112b^4 + 48864848b^2 + 59904)a^6 + (-7391232b^7 - 54099488b^5 - 50314720b^3 - 18236928b)a^5 + (3076096b^8\\
&+ 22287664b^6 - 43578852b^4 - 44091372b^2 + 89856)a^4 + (-755712b^9 - 2429824b^7 + 114877824b^5 + 305754554b^3\\
&- 8768128b)a^3 + (84992b^{10} - 1267580b^8 - 73189212b^6 - 387940726b^4 - 99091521b^2 + 39936)a^2 + (2048b^{11}\\
&+ 398296b^9 + 14570432b^7 + 136972066b^5 + 107827968b^3 - 39936b)a - 1024b^{12} - 24876b^{10} + 164084b^8 + 6312142b^6\\
&+ 28408959b^4 - 16640b^2)z - 327680b^2a^{10} + (2359296b^3 + 1848832b)a^9 + (-7225344b^4 - 13913920b^2 - 9984)a^8\\
&+ (12451840b^5 + 42214656b^3 + 5774464b)a^7 + (-13381632b^6 - 68294688b^4 - 27595360b^2 - 29952)a^6 + (9338880b^7\\
&+ 64786112b^5 + 44500656b^3 + 6135552b)a^5 + (-4246528b^8 - 36924372b^6 - 22403808b^4 + 4122245b^2 - 29952)a^4\\
&+ (1216512b^9 + 12300920b^7 - 10549696b^5 - 65474274b^3 + 2223232b)a^3 + (-199680b^{10} - 2167572b^8 + 13667292b^6\\
&+ 92037701b^4 + 18430885b^2 - 9984)a^2 + (14336b^{11} + 151056b^9 - 3373240b^7 - 36673736b^5 - 25392006b^3 + 13312b)a)z_1z_3\\
&+ 8192b^3(a-b)z^{15}(z-1)^2(bz^2 + (-a-b)z + a^3 - 2ba^2 + (b^2+1)a)(46656b^4z^4 + (-707616b^3a + 167184b^4\\
&+ 4503249b^2)z^3 + (110592b^3a^3 + (-165888b^4 - 650160b^2)a^2 + (82944b^5 + 2773008b^3 - 532512b)a - 13824b^6\\
&- 944028b^4 - 13243491b^2 + 3328)z^2 + (-175104b^2a^4 + (129024b^3 + 964768b)a^3 + (69120b^4 - 146832b^2 - 6656)a^2\\
&+ (-78336b^5 - 2699592b^3 + 1071680b)a + 16704b^6 + 1079284b^4 + 12975571b^2 - 6656)z + 65536b^2a^6 + (-196608b^3 - 462208b)a^5\\
&+ (245760b^4 + 1330624b^2 + 3328)a^4 + (-163840b^5 - 1395136b^3 - 971424b)a^3 + (61440b^6 + 674528b^4 + 801984b^2\\
&+ 6656)a^2 + (-12288b^7 - 149048b^5 + 632536b^3 - 539168b)a + 1024b^8 + 11564b^6 - 348888b^4 - 4235329b^2 + 3328)z_3\\
&+ 331776(a-b)^4z^8(3z-2)^2z_1^2z_2^6 + 1327104(a-b)^4(2a-b)z^9(z-1)(3z-2)z_1z_2^6\\
&+ 1327104(a-b)^4(2a-b)^2z^{10}(z-1)^2z_2^6 - 2592z^5(3z-2)^2z_1^6z_2^5\\
&- 3456z^6(3z-2)((72a-72b)z^2 + (-27a+30b)z - 16a + 13b)z_1^5z_2^5\\
&- 1152z^7((2592a^2 - 5184ba + 2592b^2)z^4 + (-4536a^2 + 11232ba - 6696b^2)z^3 + (2592a^4 - 10368ba^3\\
&+ (15552b^2 + 10692)a^2 + (-10368b^3 - 25632b)a + 2592b^4 + 14949b^2)z^2 + (-3456a^4 + 13824ba^3\\
&+ (-20736b^2 - 11808)a^2 + (13824b^3 + 26124b)a - 3456b^4 - 14334b^2)z + 1152a^4 - 4608ba^3 + (6912b^2 + 3956)a^2\\
&+ (-4608b^3 - 8332b)a + 1152b^4 + 4385b^2)z_1^4z_2^5\\
&- 4608(a-b)z^8((1728a^2 - 1728b^2)z^4 + (-5760a^2 + 2844ba + 3420b^2)z^3 + (6480a^4 - 28512ba^3\\
&+ (44928b^2 + 15765)a^2 + (-30240b^3 - 21570b)a + 7344b^4 + 4524b^2)z^2 + (-8784a^4 + 38304ba^3\\
&+ (-59904b^2 - 17204)a^2 + (40032b^3 + 27720b)a - 9648b^4 - 9466b^2)z + 2976a^4 - 12864ba^3 + (19968b^2 + 5856)a^2\\
&+ (-13248b^3 - 9764b)a + 3168b^4 + 3635b^2)z_1^3z_2^5\\
&- 4608(a-b)z^9((1152a^3 + 4608ba^2 - 6336b^2a + 576b^3)z^4 + (-8736a^3 - 3264ba^2 + 12696b^2a - 552b^3)z^3\\
&+ (13824a^5 - 61344ba^4 + (102528b^2 + 13751)a^3 + (-80064b^3 + 5735b)a^2 + (28800b^4 - 28907b^2)a - 3744b^5\\
&+ 8989b^3)z^2 + (-22848a^5 + 105216ba^4 + (-182784b^2 - 13916)a^3 + (149376b^3 + 5184b)a^2 + (-57024b^4 + 18524b^2)a\\
&+ 8064b^5 - 9360b^3)z + 9024a^5 - 42528ba^4 + (75552b^2 + 5900)a^3 + (-63264b^3 - 6716b)a^2 + (24864b^4 - 1524b^2)a\\
&- 3648b^5 + 2196b^3)z_1^2z_2^5\\
&- 18432(a-b)^2z^{10}(z-1)((1152ba^2 + 576b^2a - 576b^3)z^3 + (-1152a^3 - 2928ba^2 + 768b^2a + 276b^3)z^2\\
&+ (2112a^5 - 3648ba^4 + (-1680b^2 - 7250)a^3 + (6384b^3 + 26191b)a^2 + (-3888b^4 - 22087b^2)a + 720b^5 + 5762b^3)z\\
&- 2112a^5 + 6048ba^4 + (-5376b^2 + 4704)a^3 + (1056b^3 - 15170b)a^2 + (576b^4 + 13347b^2)a - 192b^5 - 3613b^3)z_1z_2^5\\
&- 18432(a-b)^2(2a-b)z^{11}(z-1)^2((576b^2a - 288b^3)z^2 + (-1152ba^2 + 864b^2a - 288b^3)z + 2112ba^4\\
&+ (-6048b^2 - 3698)a^3 + (6144b^3 + 10397b)a^2 + (-2592b^4 - 8836b^2)a + 384b^5 + 2425b^3)z_2^5\\
&+ 6480z^4(3z-2)^2z_1^8z_2^4 + 5184z^5(3z-2)((72a-72b)z^2 + (4a+b)z - 37a + 32b)z_1^7z_2^4\\
&+ 64z^6(11664z^6 + 29160z^5 + (23328a^2 - 46656ba + 23328b^2 - 103032)z^4 + (65124a^2 - 103032ba\\
&+ 30132b^2 + 15444)z^3 + (11664a^4 - 46656ba^3 + (69984b^2 + 103842)a^2 + (-46656b^3 - 265032b)a + 11664b^4\\
&+ 171072b^2 + 132948)z^2 + (-15552a^4 + 62208ba^3 + (-93312b^2 - 266328)a^2 + (62208b^3 + 562680b)a - 15552b^4\\
&- 299106b^2 - 113868)z + 5184a^4 - 20736ba^3 + (31104b^2 + 107568)a^2 + (-20736b^3 - 217602b)a + 5184b^4 + 109827b^2 + 27736)z_1^6z_2^4
\end{aligned}
$$

$$+ 256z^7((7776a + 19440b)z^6 + (-47304a + 68364b)z^5 + (89424a^3 - 299376ba^2 + (314928b^2 + 247347)a$$
$$- 104976b^3 - 449415b)z^4 + (-165240a^3 + 661608ba^2 + (-797688b^2 - 621387)a + 294840b^3 + 823059b)z^3$$
$$+ (81648a^5 - 466560ba^4 + (1018656b^2 + 459756)a^3 + (-1073088b^3 - 1649484b)a^2 + (548208b^4 + 1857762b^2$$
$$+ 736284)a - 108864b^5 - 654777b^3 - 723642b)z^2 + (-107568a^5 + 614304ba^4 + (-1340064b^2 - 534456)a^3$$
$$+ (1410048b^3 + 1755324b)a^2 + (-719280b^4 - 1840833b^2 - 408724)a + 142560b^5 + 611604b^3 + 319004b)z + 35424a^5$$
$$- 202176ba^4 + (440640b^2 + 183588)a^3 + (-463104b^3 - 574332b)a^2 + (235872b^4 + 575577b^2 + 86060)a - 46656b^5 - 183249b^3 - 56862b)z_1^5z_2^4$$
$$+ 256z^8((5184a^2 + 57024ba + 40176b^2)z^6 + (-192672a^2 - 62640ba + 165024b^2)z^5 + (230688a^4$$
$$- 474336ba^3 + (-222912b^2 + 704646)a^2 + (863136b^3 + 392148b)a - 396576b^4 - 1549530b^2)z^4 + (-841860a^4$$
$$+ 2482272ba^3 + (-1469232b^2 - 1573548)a^2 + (-901584b^3 - 708186b)a + 724356b^4 + 3162738b^2)z^3 + (462672a^6$$
$$- 3063744ba^5 + (8221824b^2 + 1842813)a^4 + (-11420352b^3 - 6751440b)a^3 + (8658576b^4 + 7800822b^2 + 2072458)a^2$$
$$+ (-3400704b^5 - 3010716b^3 + 87302b)a + 541728b^6 + 134082b^4 - 2698496b^2)z^2 + (-631584a^6 + 4161024ba^5$$
$$+ (-11083392b^2 - 1792032)a^4 + (15258240b^3 + 6972408b)a^3 + (-11452320b^4 - 9137676b^2 - 1343688)a^2 + (4447872b^5 + 4710816b^3$$
$$+ 416384b)a - 699840b^6 - 766494b^4 + 1009844b^2)z + 215568a^6 - 1413504ba^5 + (3738528b^2 + 581508)a^4$$
$$+ (-5102784b^3 - 2292528b)a^3 + (3792528b^4 + 3101574b^2 + 327464)a^2 + (-1456704b^5 - 1700400b^3 - 181720b)a + 226368b^6 + 313311b^4 - 129912b^2)z_1^4z_2^4$$
$$+ 1024z^9((10368ba^2 + 36288b^2a + 2592b^3)z^6 + (-38880a^3 - 221616ba^2 + 149040b^2a - 8424b^3)z^5$$
$$+ (40608a^5 + 146880ba^4 + (-743904b^2 + 32544)a^3 + (832032b^3 + 1146780b)a^2$$
$$+ (-260928b^4 - 1010646b^2)a - 14688b^5 - 175374b^3)z^4 + (-309528a^5 + 345816ba^4 + (1195704b^2 + 75525)a^3 + (-2101320b^3 - 2545377b)a^2$$
$$+ (911160b^4 + 2372262b^2)a - 42264b^5 + 361422b^3)z^3 + (206496a^7 - 1243296ba^6 + (2956608b^2 + 343752)a^5 + (-3469824b^3$$
$$+ 338793b)a^4 + (1969056b^4 - 4316586b^2 - 13853)a^3 + (-330912b^5 + 6782052b^3 + 2575051b)a^2$$
$$+ (-134784b^6 - 3858516b^4 - 2659471b^2)a + 46656b^7 + 711801b^5 - 192967b^3)z^2 + (-338688a^7 + 2165184ba^6 + (-5616000b^2 - 223017)a^5$$
$$+ (7559136b^3 - 429348b)a^4 + (-5574528b^4 + 3764814b^2 - 118940)a^3 + (2146176b^5 - 6026394b^3 - 1118774b)a^2$$
$$+ (-345600b^6 + 3689595b^4 + 1361807b^2)a + 4320b^7 - 776946b^5 - 2413b^3)z + 132192a^7 - 875232ba^6 + (2375136b^2$$
$$+ 84858)a^5 + (-3395520b^3 - 23406b)a^4 + (2732832b^4 - 749820b^2 + 63500)a^3 + (-1217376b^5 + 1423866b^3$$
$$+ 153880b)a^2 + (268704b^6 - 950712b^4 - 249592b^2)a - 20736b^7 + 215646b^5 + 15268b^3)z_1^3z_2^4$$
$$+ 1024z^{10}((31104b^2a^2 + 31104b^3a - 11664b^4)z^6 + (-233280ba^3 - 173664b^2a^2 + 324000b^3a$$
$$- 110808b^4)z^5 + (243648ba^5 + (-399168b^2 - 102024)a^4 + (-416448b^3 + 809496b)a^3 + (1188000b^4 + 1430100b^2)a^2$$
$$+ (-775872b^5 - 2634912b^3)a + 159840b^6 + 746820b^4)z^4 + (-141264a^6 - 697680ba^5 + (2658456b^2 + 821460)a^4$$
$$+ (-1967472b^3 - 3000714b)a^3 + (-765612b^4 - 1350678b^2)a^2 + (1240200b^5 + 4807716b^3)a - 326628b^6 - 1349064b^4)z^3 + (115776a^8$$
$$- 216000ba^7 + (-1300320b^2 - 667644)a^6 + (5546880b^3 + 6892824b)a^5 + (-9049968b^4 - 19596630b^2 - 1653792)a^4$$
$$+ (7772544b^5 + 24148380b^3 + 5790582b)a^3 + (-3684096b^6 - 14180754b^4 - 2484276b^2)a^2 + (903744b^7 + 3697320b^5$$
$$- 2600280b^3)a - 88560b^8 - 293496b^6 + 844086b^4)z^2 + (-231552a^8 + 729216ba^7 + (865728b^2 + 1319028)a^6$$
$$+ (-6932736b^3 - 10437912b)a^5 + (12807936b^4 + 28418394b^2 + 1251716)a^4 + (-11719296b^5 - 36517704b^3 - 4619404b)a^3$$
$$+ (5814720b^6 + 23958720b^4 + 3885780b^2)a^2 + (-1486080b^7 - 7670496b^5 - 392630b^3)a + 152064b^8 + 929970b^6$$
$$- 36686b^4)z + 115776a^8 - 513216ba^7 + (481248b^2 - 510120)a^6 + (1152576b^3 + 3872466b)a^5$$
$$+ (-3279744b^4 - 10511109b^2 - 317152)a^4 + (3433536b^5 + 13740012b^3 + 1252488b)a^3 + (-1827360b^6 - 9313776b^4 - 1337118b^2)a^2$$
$$+ (489024b^7 + 3128886b^5 + 464170b^3)a - 51840b^8 - 406359b^6 - 82476b^4)z_1^2z_2^4$$
$$+ 4096z^{11}(z-1)((10368b^3a^2 - 2592b^4a - 1296b^5)z^5 + (-116640b^2a^3 + 116208b^3a^2 - 14472b^4a$$
$$- 11124b^5)z^4 + (121824b^2a^5 + (-378432b^3 - 102024b)a^4 + (419472b^4 + 595224b^2)a^3 + (-187056b^5 - 484740b^3)a^2$$
$$+ (18576b^6 - 69885b^4)a + 5616b^7 + 100737b^5)z^3 + (-141264ba^6 + (249048b^2 + 133128)a^5 + (148680b^3$$
$$- 53040b)a^4 + (-578448b^4 - 1001961b^2)a^3 + (429696b^5 + 1176801b^3)a^2 + (-111240b^6 - 205416b^4)a + 3528b^7$$
$$- 76080b^5)z^2 + (115776ba^8 + (-645408b^2 - 186744)a^7 + (1476576b^3 + 1063440b)a^6$$
$$+ (-1769904b^4 - 1984008b^2 - 265424)a^5 + (1159488b^5 + 1235883b^3 + 508046b)a^4 + (-371520b^6 + 451266b^4 + 326092b^2)a^3$$
$$+ (19872b^7 - 931920b^5 - 923584b^3)a^2 + (18576b^8 + 407934b^6 + 394813b^4)a - 3456b^9 - 55851b^7 - 33031b^5)z - 115776ba^8$$
$$+ (719712b^2 + 186744)a^7 + (-1875744b^3 - 1142202b)a^6 + (2669760b^4 + 2696625b^2 + 132712)a^5$$
$$+ (-2260224b^5 - 3186513b^3 - 354854b)a^4 + (1158624b^6 + 1994868b^4 + 200613b^2)a^3 + (-348192b^7 - 624402b^5 + 102035b^3)a^2$$
$$+ (55296b^8 + 74859b^6 - 101200b^4)a - 3456b^9 + 21b^7 + 20586b^5)z_1z_2^4$$
$$+ 4096z^{12}(z-1)^2((5184b^4a^2 - 5184b^5a + 1296b^6)z^4 + (-77760b^3a^3 + 145152b^4a^2 - 92016b^5a$$
$$+ 19440b^6)z^3 + (81216b^3a^5 + (-294624b^4 - 102024b^2)a^4 + (420768b^5 + 523800b^3)a^3 + (-297216b^6 - 757962b^4)a^2$$
$$+ (104544b^7 + 426492b^5)a - 14688b^8 - 82530b^6)z^2 + (-141264b^2a^6 + (495504b^3 + 266256b)a^5$$
$$+ (-659988b^4 - 927540b^2)a^4 + (391824b^5 + 1082754b^3)a^3 + (-70632b^6 - 504522b^4)a^2 + (-24192b^7 + 76158b^5)a + 8748b^8$$
$$+ 1710b^6)z + 115776b^2a^8 + (-661824b^3 - 373488b)a^7 + (1615248b^4 + 2128884b^2 + 832)a^6$$
$$+ (-2192832b^5 - 5005872b^3 - 270416b)a^5 + (1806624b^6 + 6294825b^4 + 1038092b^2)a^4 + (-922752b^7 - 4562244b^5 - 1537946b^3)a^38$$
$$+ (284688b^+1895994b^6 + 1117556b^4)a^2 + (-48384b^9 - 414084b^7 - 407114b^5)a + 3456b^{10} + 35985b^8 + 60292b^6)z_2^4$$
$$- 6480z^3(3z-2)^2z_1^{10}z_2^3 - 5184z^4(3z-2)((36a-36b)z^2 + (37a-32b)z - 42a + 37b)z_1^9z_2^3$$

$$
\begin{aligned}
&- 288z^5(7452z^5 - 10152z^4 + (25920a^2 - 55728ba + 27216b^2 - 26379)z^3 + (-3123a^2 + 11574ba - 5877b^2 \\
&+ 62457)z^2 + (-31662a^2 + 59652ba - 27882b^2 - 43480)z + 14817a^2 - 28386ba + 13131b^2 + 10068)z_1^8 z_2^3 \\
&- 128z^6((31104a - 62208b)z^6 + (146124a - 61884b)z^5 + (62208a^3 - 248832ba^2 + (295488b^2 \\
&- 441720)a - 108864b^3 + 371034b)z^4 + (78084a^3 + 50544ba^2 + (-362556b^2 - 18990)a + 219672b^3 - 170406b)z^3 \\
&+ (31104a^5 - 186624ba^4 + (419904b^2 + 336825)a^3 + (-451008b^3 - 1610901b)a^2 + (233280b^4 + 2173635b^2 \\
&+ 811461)a - 46656b^5 - 871155b^3 - 327678b)z^2 + (-41472a^5 + 248832ba^4 + (-559872b^2 - 650484)a^3 + (601344b^3 \\
&+ 2419992b)a^2 + (-311040b^4 - 2767788b^2 - 710392)a + 62208b^5 + 982116b^3 + 338159b)z + 13824a^5 - 82944ba^4 \\
&+ (186624b^2 + 248469)a^3 + (-200448b^3 - 862557b)a^2 + (103680b^4 + 927351b^2 + 183882)a - 20736b^5 - 310959b^3 - 89000b)z_1^7 z_2^3 \\
&+ 128z^7(15552z^7 + (-129600a^2 - 10368ba + 414720b^2 + 167913)z^6 + (729864a^2 - 2964816ba \\
&+ 1750788b^2 + 655587)z^5 + (-585792a^4 + 2674944ba^3 + (-4307904b^2 - 2769444)a^2 + (2892672b^3 + 12633678b)a \\
&- 684288b^4 - 9691164b^2 - 5045022)z^4 + (1271376a^4 - 6788664ba^3 + (12068568b^2 + 6534042)a^2 \\
&+ (-8690328b^3 - 22498548b)a + 2172744b^4 + 15993996b^2 + 9977031)z^3 + (-456192a^6 + 3338496ba^5 + (-9735552b^2 - 3189438)a^4 \\
&+ (14452992b^3 + 15772896b)a^3 + (-11549952b^4 - 26598978b^2 - 8225848)a^2 + (4727808b^5 + 18442188b^3 \\
&+ 21103774b)a - 777600b^6 - 4497822b^4 - 12880276b^2 - 9050053)z^2 + (594432a^6 - 4340736ba^5 + (12628224b^2 \\
&+ 3473724)a^4 + (-18696960b^3 - 16041168b)a^3 + (14895360b^4 + 25593516b^2 + 4993324)a^2 \\
&+ (-6075648b^5 - 16912152b^3 - 10262072b)a + 995328b^6 + 3952008b^4 + 5306181b^2 + 3955032)z - 193536a^6 + 1410048ba^5 \\
&+ (-4091904b^2 - 1158956)a^4 + (6041088b^3 + 5164224b)a^3 + (-4796928b^4 - 7957470b^2 - 1147764)a^2 + (1949184b^5 + 5075652b^3 + 2024368b)a \\
&- 317952b^6 - 1143498b^4 - 904321b^2 - 676040)z_1^6 z_2^3 + 256z^8((10368a + 72576b)z^7 + (-58752a^3 - 487296ba^2 + (642816b^2 + 37260)a + 371520b^3 \\
&+ 634878b)z^6 + (1305504a^3 - 767232ba^2 + (-5611896b^2 + 387045)a + 3748896b^3 + 1144692b)z^5 + (-692928a^5 \\
&+ 1961280ba^4 + (694656b^2 - 4523958)a^3 + (-6796224b^3 + 3560706b)a^2 + (6910272b^4 + 24043176b^2 - 3313425)a \\
&- 2104704b^5 - 21475152b^3 - 13106226b)z^4 + (2761416a^5 - 11297232ba^4 + (12286944b^2 + 9239744)a^3 \\
&+ (3164904b^3 - 8754672b)a^2 + (-11094408b^4 - 40431984b^2 + 7968039)a + 4267944b^5 + 38364380b^3 + 26760786b)z^3 \\
&+ (-946944a^7 + 7271424ba^6 + (-23158656b^2 - 4981302)a^5 + (39705984b^3 + 22449582b)a^4 \\
&+ (-39602304b^4 - 33560064b^2 - 11278404)a^3 + (23013504b^5 + 15807672b^3 + 14158056b)a^2 + (-7236864b^6 + 3252870b^4 + 30079378b^2 - 8696231)a \\
&+ 953856b^7 - 3087954b^5 - 31448144b^3 - 24090512b)z^2 + (1294848a^7 - 9948672ba^6 + (31601664b^2 + 4219792)a^5 \\
&+ (-53823744b^3 - 19437524b)a^4 + (53111808b^4 + 31892496b^2 + 7009540)a^3 + (-30412800b^5 - 21156528b^3 - 10633796b)a^2 \\
&+ (9386496b^6 + 3872376b^4 - 9444200b^2 + 4510684)a - 1209600b^7 + 686736b^5 + 12198316b^3 + 10283018b)z \\
&- 443136a^7 + 3408384ba^6 + (-10806912b^2 - 1288746)a^5 + (18306432b^3 + 5969454b)a^4 \\
&+ (-17898624b^4 - 10140936b^2 - 1675200)a^3 + (10115712b^5 + 7456456b^3 + 2837336b)a^2 + (-3068928b^6 - 2074986b^4 + 838354b^2 - 903740)a \\
&+ 387072b^7 + 58686b^5 - 1807036b^3 - 1699212b)z_1^5 z_2^3 \\
&+ 512z^9((51840ba + 129600b^2)z^7 + (-293760ba^3 + (-533952b^2 - 57852)a^2 + (1347840b^3 + 201708b)a \\
&- 153792b^4 + 845919b^2)z^6 + (554148a^4 + 3348432ba^3 + (-6883632b^2 - 1417080)a^2 + (-1769760b^3 + 3403461b)a \\
&+ 3037464b^4 - 1538337b^2)z^5 + (-238464a^6 - 1138752ba^5 + (7660224b^2 - 1056882)a^4 \\
&+ (-12265344b^3 - 16315242b)a^3 + (6195456b^4 + 37651350b^2 + 6517069)a^2 + (732096b^5 - 24112860b^3 - 20712859b)a - 970560b^6 \\
&- 14338020b^4 - 4288847b^2)z^4 + (1853856a^6 - 2272536ba^5 + (-14782800b^2 - 121417)a^4 + (37306560b^3 \\
&+ 39123248b)a^3 + (-28905888b^4 - 87914422b^2 - 10886518)a^2 + (5909832b^5 + 22418676b^3 + 42406537b)a + 982944b^6 \\
&+ 22279846b^4 + 12454040b^2)z^3 + (-728064a^8 + 4555008ba^7 + (-10217088b^2 - 1578215)a^6 + (7423488b^3 \\
&- 6284794b)a^5 + (7388928b^4 + 55338349b^2 + 764391)a^4 + (-18316800b^5 - 116435952b^3 - 43326582b)a^3 \\
&+ (14373504b^6 + 104224602b^4 + 99860052b^2 + 8607577)a^2 + (-5218560b^7 - 40535100b^5 - 40265344b^3 - 41167461b)a \\
&+ 739584b^8 + 5146092b^6 - 13929310b^4 - 11580751b^2)z^2 + (1185792a^8 - 8151552ba^7 + (22151424b^2 + 431870)a^6 \\
&+ (-29251584b^3 + 9388156b)a^5 + (16588800b^4 - 53838106b^2 + 112416)a^4 + (2198016b^5 + 106474192b^3 \\
&+ 20980248b)a^3 + (-7941888b^6 - 96901664b^4 - 52327430b^2 - 3191988)a^2 + (3843072b^7 + 40782000b^5 + 26851440b^3 \\
&+ 19377562b)a - 622080b^8 - 6260940b^6 + 3068163b^4 + 4663117b^2)z - 457728a^8 + 3310848ba^7 \\
&+ (-9782400b^2 - 89903)a^6 + (15118848b^3 - 2564562b)a^5 + (-12775680b^4 + 14168241b^2 - 251824)a^4 + (5294592b^5 - 27923328b^3 \\
&- 3485012b)a^3 + (-369792b^6 + 25735070b^4 + 10033620b^2 + 428792)a^2 \\
&+ (-449280b^7 - 11148420b^5 - 6040062b^3 - 3560788b)a + 110592b^8 + 1805788b^6 - 13605b^4 - 684741b^2)z_1^4 z_2^3 \\
&+ 1024z^{10}((103680b^2a + 103680b^3)z^7 + (-587520b^2a^3 + (145152b^3 - 231408b)a^2 + (933120b^4 \\
&+ 434232b^2)a - 390528b^5 + 393156b^3)z^6 + (2216592ba^4 + (960768b^2 - 977724)a^3 + (-7711200b^3 - 1831104b)a^2 \\
&+ (2722680b^4 + 5958450b^2)a + 917352b^5 - 4431024b^3)z^5 + (-953856ba^6 + (1724544b^2 + 607908)a^5 + (4114368b^3 \\
&- 8921184b)a^4 + (-13105152b^4 - 7036668b^2 + 5087104)a^3 + (12335616b^5 + 46333644b^3 + 8158560b)a^2 \\
&+ (-4684032b^6 - 29238264b^4 - 34073010b^2)a + 559296b^7 + 990156b^5 + 13453552b^3)z^4 + (373536a^7 + 3506688ba^6 + (-15346032b^2 - 4739824)a^5 \\
&+ (12893424b^3 + 29675064b)a^4 + (12588024b^4 - 4207072b^2 - 10380636)a^3 \\
&+ (-23998272b^5 - 83399316b^3 - 10524918b)a^2 + (11713128b^6 + 64846748b^4 + 64698755b^2)a - 1694976b^7 - 6236820b^5 - 20457352b^3)z^3 \\
&+ (-187392a^9 - 122880ba^8 + (6615552b^2 + 1624276)a^7 + (-25548288b^3 - 22391244b)a^6 + (45944064b^4 + 79168500b^2
\end{aligned}
$$

$$+ 9440952)a^5 + (-46089216b^5 - 115998724b^3 - 52164118b)a^4 + (26683776b^6 + 72889334b^4 + 46736734b^2$$
$$+ 10395692)a^3 + (-8512128b^7 - 10339286b^5 + 47577610b^3 + 4434884b)a^2 + (1261440b^8 - 6937506b^6 - 55787590b^4$$
$$- 58016463b^2)a - 44928b^9 + 1933386b^7 + 7401240b^5 + 16940864b^3)z^2 + (374784a^9 - 565248ba^8$$
$$+ (-7950336b^2 - 3226072)a^7 + (37318656b^3 + 32223496b)a^6 + (-73744128b^4 - 110382912b^2 - 7097808)a^5 + (80246016b^5$$
$$+ 178253160b^3 + 39559074b)a^4 + (-51017472b^6 - 147987288b^4 - 52165776b^2 - 5108856)a^3 + (18586368b^7$$
$$+ 61322800b^5 + 4134400b^3 + 612842b)a^2 + (-3497472b^8 - 10436696b^6 + 17239684b^4 + 25107795b^2)a + 248832b^9$$
$$+ 266344b^7 - 2970242b^5 - 7254496b^3)z - 187392a^9 + 688128ba^8 + (1049088b^2 + 1228260)a^7$$
$$+ (-9881088b^3 - 11626796b)a^6 + (22655232b^4 + 40049460b^2 + 1787524)a^5 + (-26641152b^5 - 67330380b^3 - 10357316b)a^4$$
$$+ (17955072b^6 + 60427278b^4 + 16297832b^2 + 984420)a^3 + (-6923520b^7 - 28858454b^5 - 7111376b^3 - 618856b)a^2$$
$$+ (1396224b^8 + 6638790b^6 - 675308b^4 - 4213439b^2)a - 110592b^9 - 536030b^7 + 273696b^5 + 1251620b^3)z_1^3z_2^3$$
$$+ 2048z^{11}((103680b^3a + 25920b^4)z^7 + (-587520b^3a^3 + (710208b^4 - 347112b^2)a^2 + (-10368b^5$$
$$+ 465048b^3)a - 141696b^6 - 65961b^4)z^6 + (3324888b^2a^4 + (-4153248b^3 - 2933172b)a^3 + (-452088b^4$$
$$+ 3009168b^2)a^2 + (1002672b^5 + 1325034b^3)a + 231444b^6 - 2449935b^4)z^5 + (-1430784b^2a^6 + (5076864b^3$$
$$+ 1823724b)a^5 + (-5633280b^4 - 19606068b^2 + 397720)a^4 + (698112b^5 + 26959116b^3 + 13669976b)a^3 + (2723904b^6$$
$$- 1312320b^4 - 12658526b^2)a^2 + (-1757952b^7 - 9057462b^5 - 11794974b^3)a + 321984b^8 + 1784988b^6$$
$$+ 10706808b^4)z^4 + (1120608ba^7 + (527040b^2 - 1241892)a^6 + (-13649808b^3 - 4078388b)a^5 + (25183200b^4$$
$$+ 51811142b^2 - 1587552)a^4 + (-16140120b^5 - 83352920b^3 - 24973760b)a^3 + (1117224b^6 + 29234498b^4$$
$$+ 26261074b^2)a^2 + (2518776b^7 + 10147420b^5 + 22073673b^3)a - 672312b^8 - 3836932b^6 - 18143901b^4)z^3 + (-562176ba^9$$
$$+ (3073536b^2 + 836164)a^8 + (-5677056b^3 - 5570020b)a^7 + (1739520b^4 + 1425778b^2 + 3717356)a^6 + (8616960b^5$$
$$+ 40189888b^3 - 915660b)a^5 + (-14493312b^6 - 90894940b^4 - 60557166b^2 + 2378832)a^4 + (10796544b^7 + 85166968b^5$$
$$+ 119989194b^3 + 22223160b)a^3 + (-4306176b^8 - 38018786b^6 - 70398330b^4 - 27687113b^2)a^2 + (884736b^9$$
$$+ 7139660b^7 + 8022186b^5 - 17894453b^3)a - 72576b^{10} - 281624b^8 + 1445728b^6 + 15152773b^4)z^2 + (1124352ba^9$$
$$+ (-6958080b^2 - 1672328)a^8 + (16644096b^3 + 10064392b)a^7 + (-17948160b^4 - 12547284b^2 - 3713196)a^6 + (4428288b^5$$
$$- 25621776b^3 + 6794884b)a^5 + (9619200b^6 + 84428712b^4 + 27243281b^2 - 1585888)a^4$$
$$+ (-11052288b^7 - 92053152b^5 - 72721504b^3 - 9538668b)a^3 + (5227776b^8 + 48295940b^6 + 55366136b^4 + 14260692b^2)a^2$$
$$+ (-1191168b^9 - 11951944b^7 - 14628308b^5 + 6607813b^3)a + 105984b^{10} + 1062048b^8 + 1043311b^6 - 6237490b^4)z - 562176ba^9 + (3884544b^2$$
$$+ 836164)a^8 + (-11062272b^3 - 5614980b)a^7 + (16732416b^4 + 12404394b^2 + 1237732)a^6$$
$$+ (-14259456b^5 - 7890888b^3 - 3625808b)a^5 + (6409728b^6 - 9197466b^4 - 2210461b^2 + 396888)a^4 + (-887040b^7 + 18157608b^5 + 13856898b^3$$
$$+ 1552464b)a^3 + (-421632b^8 - 11653846b^6 - 13139368b^4 - 2838183b^2)a^2 + (187392b^9 + 3293172b^7 + 4520116b^5$$
$$- 885821b^3)a - 21504b^{10} - 335310b^8 - 526219b^6 + 1011786b^4)z_1^2z_2^3$$
$$+ 4096z^{12}(z-1)((51840b^4a - 10368b^5)z^6 + (-293760b^4a^3 + (508032b^5 - 231408b^3)a^2 + (-269568b^6$$
$$+ 299772b^4)a + 32832b^7 - 104994b^5)z^5 + (2216592b^3a^4 + (-4616352b^4 - 2933172b^2)a^3 + (3418272b^5$$
$$+ 5611920b^3)a^2 + (-1194984b^6 - 3246891b^4)a + 250848b^7 + 344922b^5)z^4 + (-953856b^3a^6 + (3889728b^4$$
$$+ 1823724b^2)a^5 + (-6289920b^5 - 14459520b^3 + 795440b)a^4 + (5097600b^6 + 27770706b^4 + 9145468b^2)a^3$$
$$+ (-2127168b^7 - 22022094b^5 - 18112536b^3)a^2 + (406080b^8 + 8161848b^6 + 9097880b^4)a - 22464b^9 - 1347528b^7 - 496508b^5)z^3 + (1120608b^2a^7$$
$$+ (-3004416b^3 - 2483784b)a^6 + (560424b^4 + 5756372b^2 + 3328)a^5 + (5953440b^5 + 11114680b^3 - 2397136b)a^4$$
$$+ (-8148624b^6 - 38270302b^4 - 9629776b^2)a^3 + (4561176b^7 + 36320806b^5 + 22420822b^3)a^2 + (-1141224b^8 - 14904928b^6 - 11065086b^4)a$$
$$+ 98616b^9 + 2464132b^7 + 462162b^5)z^2 + (-562176b^2a^9 + (3603456b^3 + 1672328b)a^8 + (-9766656b^4 - 11904356b^2 - 3328)a^7$$
$$+ (14593536b^5 + 32066020b^3 + 4983376b)a^6 + (-13101696b^6 - 42775494b^4 - 18142860b^2 - 6656)a^5 + (7185024b^7$$
$$+ 29561574b^5 + 17021138b^3 + 2410448b)a^4 + (-2309760b^8 - 9019980b^6 + 5430752b^4 + 3546684b^2)a^3 + (374400b^9$$
$$- 238652b^7 - 16600380b^5 - 11782196b^3)a^2 + (-13824b^{10} + 755270b^8 + 9041462b^6 + 6006708b^4)a - 2304b^{11}$$
$$- 116710b^9 - 1690704b^7 - 225646b^5)z + 562176b^2a^9 + (-3873792b^3 - 1672328b)a^8 + (11333376b^4 + 11926836b^2$$
$$+ 3328)a^7 + (-18479616b^5 - 34207988b^3 - 2503752b)a^6 + (18479232b^6 + 51965994b^4 + 10583148b^2 + 3328)a^5$$
$$+ (-11716992b^7 - 45743262b^5 - 15933658b^3 - 808752b)a^4 + (4687488b^8 + 23733876b^6 + 10021388b^4 - 129204b^2)a^3 + (-1131648b^9 - 6982732b^7$$
$$- 1648764b^5 + 2093398b^3)a^2 + (147456b^{10} + 1035246b^8 - 826758b^6 - 1144223b^4)a - 7680b^{11} - 55642b^9 + 289588b^7 + 30432b^5)z_1z_2^3$$
$$+ 8192bz^{13}(z-1)^2((10368b^4a - 5184b^5)z^5 + (-58752b^4a^3 + (119232b^5 - 57852b^3)a^2 + (-82944b^6$$
$$+ 73404b^4)a + 19008b^7 - 24831b^5)z^4 + (554148b^3a^4 + (-1369008b^4 - 977724b^2)a^3 + (1276128b^5 + 2304432b^3)a^2$$
$$+ (-540864b^6 - 1793223b^4)a + 93420b^7 + 451791b^5)z^3 + (-238464b^3a^6 + (983232b^4 + 607908b^2)a^5 + (-1655424b^5 - 3826050b^3$$
$$+ 397720b)a^4 + (1454976b^6 + 7503294b^4 + 1540320b^2)a^3 + (-701568b^7 - 6682578b^5 - 4757723b^3)a^2 + (174528b^8$$
$$+ 2881470b^6 + 3806319b^4)a - 17280b^9 - 504780b^7 - 938630b^5)z^2 + (373536b^2a^7 + (-1401696b^3 - 1241892b)a^6$$
$$+ (1974888b^4 + 4487028b^2 + 3328)a^5 + (-1143072b^5 - 4646709b^3 - 809584b)a^4 + (4752b^6 - 403068b^4 - 123756b^2)a^3$$
$$+ (304128b^7 + 3693510b^5 + 2814006b^3)a^2 + (-129240b^8 - 2377776b^6 - 2570521b^4)a + 16704b^9 + 502731b^7$$
$$+ 645883b^5)z - 187392b^2a^9 + (1135104b^3 + 836164b)a^8 + (-2976000b^4 - 5083596b^2 - 3328)a^7 + (4420992b^5$$
$$+ 12929261b^3 + 1259364b)a^6 + (-4089600b^6 - 17941734b^4 - 5133208b^2 - 3328)a^5 + (2435328b^7 + 14795457b^5$$

$$+ 7963747b^3 + 411864b)a^4 + (-930048b^8 - 7366536b^6 - 5703250b^4 - 438840b^2)a^3 + (218496b^9 + 2134391b^7$$
$$+ 1605772b^5 - 302863b^3)a^2 + (-28416b^{10} - 322038b^8 + 117618b^6 + 473653b^4)a + 1536b^{11} + 18631b^9 - 110171b^7 - 129029b^5)z_2^3$$
$$+ 3240z^2(3z-2)^2z_1^{12}z_2^2 + 864z^3(3z-2)((36a-36b)z^2 + (162a-147b)z - 125a + 110b)z_1^{11}z_2^2$$
$$- 144z^4(2268z^5 - 10665z^4 + (-18900a^2 + 46008ba - 24516b^2 + 37611)z^3 + (2673a^2 - 17082ba + 13185b^2$$
$$- 60972)z^2 + (21786a^2 - 37620ba + 13854b^2 + 41620)z - 10107a^2 + 19026ba - 7833b^2 - 9984)z_1^{10}z_2^2$$
$$+ 576z^5((20304a - 42228b)z^5 + (-55566a + 105867b)z^4 + (30636a^3 - 93564ba^2 + (86004b^2 + 11070)a$$
$$- 23508b^3 - 53937b)z^3 + (447a^3 - 28515ba^2 + (56847b^2 + 84227)a - 28149b^3 - 56611b)z^2 + (-42060a^3$$
$$+ 163020ba^2 + (-187170b^2 - 82026)a + 66396b^3 + 63538b)z + 18753a^3 - 68253ba^2 + (74019b^2 + 22274)a - 24807b^3 - 16566b)z_1^9z_2^2$$
$$+ 16z^6(93312z^8 - 73872z^7 + (684288a^2 - 2363904ba + 2301696b^2 - 1906092)z^6 + (2827872a^2$$
$$- 1861056ba - 6187104b^2 + 7860051)z^5 + (1088640a^4 - 6345216ba^3 + (13125888b^2 - 8227656)a^2 + (-11073024b^3$$
$$+ 3376728b)a + 3245184b^4 + 15732468b^2 - 6691635)z^4 + (285120a^4 + 7021728ba^3 + (-26216352b^2 - 4224672)a^2$$
$$+ (28333152b^3 + 29081736b)a - 9456480b^4 - 31804020b^2 - 10966878)z^3 + (497664a^6 - 3981312ba^5 + (12441600b^2$$
$$+ 5864256)a^4 + (-19408896b^3 - 38973096b)a^3 + (16049664b^4 + 83651148b^2 + 23896416)a^2$$
$$+ (-6718464b^5 - 70737408b^3 - 59747280b)a + 1119744b^6 + 20462940b^4 + 34393956b^2 + 22995150)z^2 + (-663552a^6 + 5308416ba^5$$
$$+ (-16588800b^2 - 9783600)a^4 + (25878528b^3 + 50966352b)a^3 + (-21399552b^4 - 92205528b^2 - 20071056)a^2 + (8957952b^5$$
$$+ 68560128b^3 + 40886016b)a - 1492992b^6 - 17937144b^4 - 17907084b^2 - 14381637)z + 221184a^6 - 1769472ba^5$$
$$+ (5529600b^2 + 3618872)a^4 + (-8626176b^3 - 17488008b)a^3 + (7133184b^4 + 29465868b^2 + 5203792)a^2$$
$$+ (-2985984b^5 - 20479392b^3 - 9527040b)a + 497664b^6 + 5030604b^4 + 3577104b^2 + 3072017)z_1^8z_2^2$$
$$+ 64z^7((31104a + 311040b)z^8 + (-712800a + 220320b)z^7 + (736128a^3 - 964224ba^2 + (-2716416b^2$$
$$+ 2157516)a + 4333824b^3 - 5689764b)z^6 + (-4062960a^3 + 23902560ba^2 + (-34459344b^2 - 14400945)a + 8690544b^3$$
$$+ 43791345b)z^5 + (1976832a^5 - 11304576ba^4 + (23842944b^2 + 13270248)a^3 + (-22564224b^3 - 86082480b)a^2$$
$$+ (9203328b^4 + 137743740b^2 + 51977337)a - 1154304b^5 - 53563932b^3 - 122928753b)z^4 + (-5078448a^5$$
$$+ 33338016ba^4 + (-77034960b^2 - 29461200)a^3 + (78054768b^3 + 144310680b)a^2$$
$$+ (-342155552b^4 - 201728868b^2 - 87757416)a + 4896432b^5 + 75570828b^3 + 160229610b)z^3 + (1271808a^7 - 11225088ba^6 + (40725504b^2$$
$$+ 10772064)a^5 + (-78547968b^3 - 66852144b)a^4 + (86842368b^4 + 150488928b^2 + 37405744)a^3$$
$$+ (-55116288b^5 - 152270136b^3 - 136297088b)a^2 + (18662400b^6 + 69043248b^4 + 152290044b^2 + 76343164)a - 2612736b^7 - 11008800b^5 - 48127836b^3$$
$$- 106122098b)z^2 + (-1640448a^7 + 14413824ba^6 + (-52033536b^2 - 10483488)a^5 + (99809280b^3 + 61150872b)a^4$$
$$+ (-109693440b^4 - 132551352b^2 - 23219380)a^3 + (69175296b^5 + 131332440b^3 + 69214580b)a^2$$
$$+ (-23265792b^6 - 59356512b^4 - 61557516b^2 - 33576127)a + 3234816b^7 + 9701040b^5 + 14960928b^3 + 34528313b)z + 528384a^7 - 4620288ba^6$$
$$+ (16588800b^2 + 3301352)a^5 + (-31629312b^3 - 18604576b)a^4 + (34532352b^4 + 39369288b^2 + 5435600)a^3$$
$$+ (-21620736b^5 - 38298224b^3 - 14387720b)a^2 + (7216128b^6 + 17087472b^4 + 10690740b^2 + 5938167)a - 995328b^7 - 2780448b^5 - 1917104b^3 - 4339597b)z_1^7z_2^2$$
$$+ 128z^8((217728ba + 870912b^2 + 10368)z^8 + (-805680a^2 - 3070656ba + 1441584b^2 + 397656)z^7$$
$$+ (362016a^4 + 2744064ba^3 + (-8987328b^2 + 4366764)a^2 + (3151872b^3 + 8044164b)a + 5138208b^4 - 15977628b^2$$
$$+ 1579464)z^6 + (-6813576a^4 + 10527696ba^3 + (44903808b^2 - 17106624)a^2 + (-93025872b^3 - 41719230b)a$$
$$+ 33705144b^4 + 130893237b^2 - 16636824)z^5 + (2081088a^6 - 6827904ba^5 + (-5319360b^2 + 22368618)a^4$$
$$+ (47863296b^3 - 43709628b)a^3 + (-73046592b^4 - 150847020b^2 + 49544866)a^2 + (45191808b^5 + 374982192b^3$$
$$+ 127987250b)a - 10018368b^6 - 181056288b^4 - 406625399b^2 + 44970336)z^4 + (-8939304a^6 + 44003232ba^5$$
$$+ (-59151024b^2 - 40347914)a^4 + (-24971184b^3 + 79008812b)a^3 + (118989144b^4 + 228346144b^2 - 84533428)a^2$$
$$+ (-922137120b^5 - 589917516b^3 - 182340938b)a + 22474080b^6 + 296811600b^4 + 583162964b^2 - 59592216)z^3 + (2128896a^8 - 18247680ba^7$$
$$+ (65157120b^2 + 13864806)a^6 + (-126572544b^3 - 68624484b)a^5 + (146548224b^4 + 101110686b^2 + 43619708)a^4$$
$$+ (-103887360b^5 - 197064b^3 - 87860616b)a^3 + (44271360b^6 - 123308892b^4 - 159008988b^2 + 79149214)a^2 + (-10450944b^7 + 102192264b^5$$
$$+ 448925600b^3 + 130181794b)a + 1057536b^8 - 25192764b^6 - 226680028b^4 - 427101578b^2 + 42990248)z^2$$
$$+ (-2906112a^8 + 25104384ba^7 + (-90329088b^2 - 10133108)a^6 + (176504832b^3 + 48153048b)a^5$$
$$+ (-204719616b^4 - 68615268b^2 - 25152848)a^4 + (144377856b^5 + 2142432b^3 + 53418436b)a^3 + (-60562944b^6 + 74315616b^4 + 46529204b^2$$
$$- 37872420)a^2 + (138516488b^7 - 60392592b^5 - 165935696b^3 - 45429664b)a - 1327104b^8 + 14585640b^6 + 83548156b^4$$
$$+ 155801531b^2 - 16244392)z + 994304a^8 - 8663040ba^7 + (31448064b^2 + 2871846)a^6 + (-61940736b^3 - 13591420b)a^5$$
$$+ (72232704b^4 + 20174314b^2 + 5799900)a^4 + (-50996736b^5 - 4347688b^3 - 13021084b)a^3 + (21268224b^6$$
$$- 15006044b^4 - 3278332b^2 + 7256684)a^2 + (-4783104b^7 + 13073928b^5 + 23768044b^3 + 6130800b)a + 442368b^8$$
$$- 3184628b^6 - 12016292b^4 - 22466039b^2 + 2525360)z_1^6z_2^2$$
$$+ 256z^9((653184b^2a + 1306368b^3 + 62208b)z^8 + (-4834080ba^2 + (-3579552b^2 + 152208)a + 2182464b^3$$
$$+ 1886256b)z^7 + (2172096ba^4 + (1710720b^2 + 481776)a^3 + (-17777664b^3 + 25531164b)a^2 + (15579648b^4 + 558972b^2$$
$$- 2438808)a + 278208b^5 - 22822464b^3 + 6636216b)z^6 + (-2721888a^5 - 20167920ba^4 + (74130096b^2 + 9615191)a^3$$
$$+ (-17668512b^3 - 132963357b)a^2 + (-84862800b^4 + 45887997b^2 + 9493848)a + 39861696b^5 + 154908461b^3 - 74080584b)z^5 + (670080a^7$$
$$+ 4500864ba^6 + (-35068416b^2 + 6457936)a^5 + (70223232b^3 + 86760468b)a^4$$

$$+ (-43458048b^4 - 345500472b^2 - 44592451)a^3 + (-19394304b^5 + 215478688b^3 + 413569061b)a^2 + (31824000b^6 + 247790436b^4 - 211194801b^2$$
$$- 16436560)a - 9349632b^7 - 184006356b^5 - 453148101b^3 + 201078584b)z^4 + (-5352352a^7 + 4587408ba^6$$
$$+ (82645488b^2 - 763176)a^5 + (-250970464b^3 - 211545228b)a^4 + (267993072b^4 + 764966268b^2 + 74024346)a^3$$
$$+ (-87983232b^5 - 632366476b^3 - 665465686b)a^2 + (-26493696b^6 - 240316652b^4 + 425901446b^2 + 14248736)a + 157739047^7 + 285769028b^5$$
$$+ 625281054b^3 - 265704640b)z^3 + (1437696a^9 - 8828928ba^8 + (14060544b^2 + 3728148)a^7 + (23553024b^3$$
$$+ 32114964b)a^6 + (-121595904b^4 - 277988460b^2 - 6705976)a^5 + (201125376b^5 + 720892452b^3 + 247757872b)a^4$$
$$+ (-178039296b^6 - 869174232b^4 - 849631824b^2 - 57912486)a^3 + (90063360b^7 + 509869392b^5 + 820889792b^3 + 564386430b)a^2 + (-24592896b^8 - 126084744b^6$$
$$+ 8827564b^4 - 427669730b^2 - 5680408)a + 2820096b^9 + 6382008b^7 - 195885884b^5 - 438671350b^3 + 190553480b)z^2$$
$$+ (-2326528a^9 + 16412672ba^8 + (-41447424b^2 + 294264)a^7 + (31715328b^3 - 46162616b)a^6 + (52185600b^4$$
$$+ 274079832b^2 + 4312220)a^5 + (-144175104b^5 - 653309472b^3 - 130088900b)a^4 + (147142656b^6 + 784098888b^4$$
$$+ 442657692b^2 + 21161367)a^3 + (-79294464b^7 - 490313880b^5 - 470403092b^3 - 241107889b)a^2 + (22408704b^8$$
$$+ 146990016b^6 + 84098116b^4 + 209123133b^2 + 459000)a - 2626560b^9 - 15534576b^7 + 59095800b^5 + 151020253b^3$$
$$- 71423208b)z + 888832a^9 - 6715392ba^8 + (19706880b^2 - 456396)a^7 + (-26448896b^3 + 14884500b)a^6 + (9533952b^4$$
$$- 79339020b^2 - 581196)a^5 + (18298368b^5 + 181072172b^3 + 24641892b)a^4$$
$$+ (-27680256b^6 - 213701856b^4 - 85936080b^2 - 2777327)a^3 + (16842240b^7 + 134588424b^5 + 97641344b^3 + 40881861b)a^2$$
$$+ (-50319368^8 - 42015880b^6 - 28036116b^4 - 39676905b^2 + 201984)a + 608256b^9 + 4938168b^7 - 5911368b^5 - 20058349b^3 + 10991688b)z_1^5 z_2^2$$
$$+ 256z^{10}((2177280b^3a + 2177280b^4 + 311040b^2)z^8 + (-24170400b^2a^2 + (6428160b^3 + 1522080b)a$$
$$- 829440b^4 + 6932880b^2)z^7 + (10860480b^2a^4 + (-13685760b^3 + 4817760b)a^3 + (-23054976b^4 + 125697168b^2$$
$$- 6366080)a^2 + (34822656b^5 - 85012344b^3 - 11834704b)a - 7601472b^6 - 17614920b^4 + 189084168^2)z^6$$
$$+ (-27218880ba^5 + (-10571472b^2 + 20077809)a^4 + (213236448b^3 - 11891564b)a^3 + (-203821056b^4 - 588914834b^2$$
$$+ 37522288)a^2 + (-21947040b^5 + 555804128b^3 + 25364000b)a + 39113232b^6 + 88037264b^4 - 242015168b^2)z^5$$
$$+ (6700800ba^7 + (-11700864b^2 - 4803152)a^6 + (-61186560b^3 + 112673440b)a^5 + (217695360b^4 + 35831580b^2$$
$$- 104937157)a^4 + (-264337152b^5 - 10022869368^3 + 87412620b)a^3 + (137612928b^6 + 13012215288^4 + 16050665908^2 - 91938848)a^2$$
$$+ (-22998528b^7 - 3184599368^5 - 17487873128^3 - 4296272b)a - 1735296b^8 - 92646272b^6 - 174872524b^4 + 6643382888^2)z^4 + (-1930560a^8 - 28839872ba^7$$
$$+ (139317328b^2 + 38233072)a^6 + (-109864512b^3 - 340295088b)a^5 + (-297682336b^4 + 182792796b^2 + 215249178)a^4 + (623130336b^5 + 17320170888^3 - 301033112b)a^3$$
$$+ (-430199504b^6 - 26996089368^4 - 22408542448^2 + 119842464)a^2 + (110534688b^7 + 975844456b^5 + 2762691040b^3 - 53054432b)a - 4586208b^8$$
$$+ 67958480b^6 + 137097452b^4 - 875367280b^2)z^3 + (679936a^{10} + 2662400ba^9 + (-47028224b^2 - 7897904)a^8$$
$$+ (185247744b^3 + 136159784b)a^7 + (-356491776b^4 - 552042164b^2 - 76431280)a^6 + (378851328b^5 + 848380512b^3$$
$$+ 561229472b)a^5 + (-213838848b^6 - 304320564b^4 - 745850740b^2 - 216899354)a^4 + (41084928b^7 - 540256896b^5$$
$$- 1011000880b^3 + 425099360b)a^3 + (18358272b^8 + 627215016b^6 + 2367998072b^4 + 1606712436b^2 - 87625152)a^2$$
$$+ (-11252736b^9 - 2339601608^7 - 10767325288^5 - 22850704088^3 + 76852816b)a + 1728000b^{10} + 26807952b^8 + 124620806^6 - 13121808b^4 + 6223029448^2)z^2$$
$$+ (-1359872a^{10} - 933888ba^9 + (63549440b^2 + 15735840)a^8 + (-291573760b^3 - 185355408b)a^7 + (635552768b^4 + 736496248b^2$$
$$+ 57414224)a^6 + (-794308608b^5 - 13634904968^3 - 411420216b)a^5 + (595593216b^6 + 12272239928^4 + 749217412b^2$$
$$+ 107404101)a^4 + (-261107712b^7 - 413486016b^5 - 41406784b^3 - 266138700b)a^3 + (58788864b^8 - 986371206^6$$
$$- 821116888b^4 - 551486962b^2 + 34063344)a^2 + (-36864008^9 + 978199688^7 + 4809221928^5 + 9454797448^3$$
$$- 43823584b)a - 516096b^{10} - 163189928^8 - 259066728^6 - 31403164b^4 - 2302503368^2)z + 679936a^{10} - 1728512ba^9$$
$$+ (-13916160b^2 - 5907376)a^8 + (85116928b^3 + 64637160b)a^7 + (-206438912b^4 - 2585632208^2 - 14402048)a^6 + (2788208648^5$$
$$+ 512404672b^3 + 104938920b)a^5 + (-226947072b^6 - 545246188b^4 - 222937032b^2 - 20894577)a^4 + (111605760b^7$$
$$+ 303242784b^5 + 126626056b^3 + 61735300b)a^3 + (-31200768b^8 - 71782904b^6 + 72813656b^4 + 67944006b^2$$
$$- 5498016)a^2 + (4141056b^9 - 752320b^7 - 70785528b^5 - 153702800b^3 + 9270096b)a - 132096b^{10} + 1963752b^8$$
$$+ 5764232b^6 + 10526948b^4 + 34839216b^2)z_1^4 z_2^2$$
$$+ 1024z^{11}((1088640b^4a + 435456b^5 + 207360b^3)z^8 + (-16113600b^3a^2 + (12186720b^4 + 1522080b^2)a$$
$$- 4431456b^5 + 2956320b^3)z^7 + (7240320b^3a^4 + (-15361920b^4 + 4817760b^2)a^3 + (4828032b^5 + 83417976b^3$$
$$- 12732160b)a^2 + (5771520b^6 - 90244188b^4 + 718672b^2)a - 2457216b^7 + 19213404b^5 + 3043952b^3)z^6$$
$$+ (-27218880b^2a^5 + (44264736b^3 + 40155618b)a^4 + (34196976b^4 - 108202350b^2 + 507552)a^3$$
$$+ (-76652640b^5 - 232405746b^3 + 73970512b)a^2 + (22625424b^6 + 359935929b^4 - 43845648b^2)a + 2232432b^7 - 68242077b^5$$
$$- 75960976b^3)z^5 + (6700800b^2a^7 + (-26788608b^3 - 9606304b)a^6 + (26462208b^4 + 153472624b^2 - 2982912)a^5$$
$$+ (25479552b^5 - 295482464b^3 - 191262802b)a^4 + (-69652608b^6 - 29043032b^4 + 520168422b^2 - 2537760)a^3$$
$$+ (52675968b^7 + 363940432b^5 + 294238746b^3 - 178583096b)a^2 + (-16601472b^8 - 205220492b^6 - 808075537b^4$$
$$+ 153896480b^2)a + 1751808b^9 + 23954972b^7 + 160642029b^5 + 217297456b^3)z^4 + (-3861120ba^8 + (-8638656b^2$$
$$+ 4312752)a^7 + (99185952b^3 + 30862104b)a^6 + (-200003088b^4 - 425725816b^2 + 11901696)a^5 + (123646112b^5$$
$$+ 931476328b^3 + 358052764b)a^4 + (51662736b^6 - 407374104b^4 - 1067035940b^2 + 5080512)a^3$$
$$+ (-97046224b^7 - 462056144b^5 - 2159964b^3 + 229244672b)a^2 + (39979296b^8 + 387225620b^6 + 971413368b^4 - 244759456b^2)a - 5023504b^9$$
$$- 61786060b^7 - 212245898b^5 - 285532480b^3)z^3 + (1359872ba^{10} + (-6803456b^2 - 1867344)a^9 + (4227072b^3$$

$$+ 12162208b)a^8 + (41612288b^4 + 39059208b^2 - 12908304)a^7 + (-129680384b^5 - 348150328b^3 - 21042024b)a^6$$
$$+ (1825966608b^6 + 809943960b^4 + 544105760b^2 - 17827584)a^5$$
$$+ (-146580480b^7 - 873090216b^5 - 1385087840b^3 - 328021180b)a^4 + (69663744b^8 + 451044384b^6 + 1095343048b^4 + 1089501816b^2 - 5090496)a^3$$
$$+ (-18740736b^9 - 81314088b^7 - 22725640b^5 - 346654416b^3 - 164957328b)a^2 + (2433024b^{10} - 11655552b^8 - 247790108b^6 - 599875692b^4 + 206609712b^2)a$$
$$- 87552b^{11} + 3997368b^9 + 52415132b^7 + 149093650b^5 + 198876048b^3)z^2 + (-2719744ba^{10} + (16900096b^2 + 3734688)a^9$$
$$+ (-33226752b^3 - 21518528b)a^8 + (-5208064b^4 - 18094032b^2 + 12893328)a^7 + (125544448b^5 + 336375504b^3 - 121677360b)a^6$$
$$+ (-229632000b^6 - 88379409 6b^4 - 286092668b^2 + 11881728)a^5 + (211897344b^7 + 1089467928b^5 + 877914760b^3 + 146150530b)a^4$$
$$+ (-113075712b^8 - 714407112b^6 - 898900372b^4 - 546428118b^2 + 2552736)a^3 + (34728960b^9 + 243676296b^7 + 296820972b^5 + 297118226b^3 + 63053424b)a^2$$
$$+ (-5543424b^{10} - 36900120b^8 + 23515756b^6 + 165563975b^4 - 90265328b^2)a + 334848b^{11} + 1385168b^9 - 14835728b^7 - 50530389b^5$$
$$- 71156432b^3)z + 1359872ba^{10} + (-10096640b^2 - 1867344)a^9 + (29868032b^3 + 13217440b)a^8$$
$$+ (-42597376b^4 - 22376088b^2 - 4297776)a^7 + (22727680b^5 - 37909240b^3 + 11964776b)a^6 + (16198656b^6 + 184575296b^4 + 41387844b^2$$
$$- 2972928)a^5 + (-34308096b^7 - 272905576b^5 - 180303256b^3 - 25074930b)a^4 + (24007680b^8 + 202398968b^6$$
$$+ 221461592b^4 + 107178826b^2 - 512544)a^3 + (-8594432b^9 - 78935728b^7 - 104707960b^5 - 77442470b^3 - 9996024b)a^2$$
$$+ (1539072b^{10} + 147753 92b^8 + 14212060b^6 - 11991967b^4 + 16123488b^2)a - 104448b^{11} - 957568b^9 + 405184b^7$$
$$+ 6064865b^5 + 10268752b^3)z_1^3z_2^2$$
$$+ 2048z^{12}((653184b^5a + 155520b^4)z^8 + (-12085200b^4a^2 + (12571200b^5 + 1522080b^3)a - 4944240b^6$$
$$+ 968040b^4)z^7 + (5430240b^4a^4 + (-13623552b^5 + 4817760b^3)a^3 + (10853568b^6 + 62972604b^4 - 19098240b^2)a^2$$
$$+ (-2585088b^7 - 85460436b^5 + 13272048b^3)a - 71712b^8 + 29124996b^6 - 4923192b^4)z^6 + (-27218880b^3a^5 + (65033064b^4$$
$$+ 60233427b^2)a^4 + (-39055056b^5 - 192780448b^3 + 1522656b)a^3 + (-6373440b^6 - 3506946b^4 + 109344672b^2)a^2$$
$$+ (9200016b^7 + 194643978b^5 - 112690464b^3)a - 1372128b^8 - 73574437b^6 + 6909096b^4)z^5 + (6700800b^3a^7$$
$$+ (-31470912b^4 - 14409456b^2)a^6 + (56194176b^5 + 186976912b^3 - 8948736b)a^5 + (-45602880b^6 - 466763874b^4 - 263749575b^2$$
$$+ 9984)a^4 + (12764160b^7 + 424556508b^5 + 869581184b^3 - 7648224b)a^3 + (4111680b^8 - 130282004b^6$$
$$- 558897688b^4 - 259902376b^2)a^2 + (-3194496b^9 - 8857920b^7 - 112114446b^5 + 310212656b^3)a + 502848b^{10}$$
$$+ 7732062b^8 + 86622711b^6 - 4891696b^4)z^4 + (-5791680b^2a^8 + (7080128b^3 + 12938256b)a^7 + (52788840b^4$$
$$- 7210200b^2 - 19968)a^6 + (-159979104b^5 - 379284840b^3 + 35864832b)a^5 + (180449232b^6 + 1109978522b^4$$
$$+ 447008774b^2 - 39936)a^4 + (-91060176b^7 - 1170040676b^5 - 1623808112b^3 + 15376320b)a^3 + (13911072b^8$$
$$+ 500158888b^6 + 140069227 2b^4 + 328093472b^2)a^2 + (3591808b^9 - 55586468b^7 - 245199854b^5 - 432627712b^3)a$$
$$- 1011624b^{10} - 8967274b^8 - 24305868b^6 + 6341240b^4)z^3 + (2039808b^2a^{10} + (-14020608b^3 - 5602032b)a^9$$
$$+ (39100416b^4 + 50146368b^2 + 9984)a^8 + (-55348224b^5 - 133138008b^3 - 38849712b)a^7 + (37470720b^6 + 95549586b^4$$
$$+ 122183912b^2 + 59904)a^6 + (-1145856b^7 + 142365756b^5 + 211864976b^3 - 53942016b)a^5$$
$$+ (-17756160b^8 - 316585902b^6 - 1098258680b^4 - 360665126b^2 + 59904)a^4 + (137825 28b^9 + 238785672b^7 + 1382811856b^5 + 1509057852b^3 - 15466176b)a^3$$
$$+ (-4932864b^{10} - 82673298b^8 - 718978364b^6 - 1503939894b^4 - 231838864b^2)a^2 + (869376b^{11} + 11369316b^9 + 139215296b^7 + 461166254b^5 + 332466608b^3)a$$
$$- 59136b^{12} - 185202b^{10} - 1858860b^8 - 44039614b^6 - 9599608b^4)z^2 + (-4079616b^2a^{10} + (30236672b^3 + 11204064b)a^9$$
$$+ (-93724672b^4 - 91695168b^2 - 19968)a^8 + (157415424b^5 + 276679344b^3 + 38914608b)a^7$$
$$+ (-153535488b^6 - 385271420b^4 - 165288264b^2 - 59904)a^6 + (83638272b^7 + 213462168b^5 + 103639820b^3 + 36084480b)a^5 + (-18031104b^8 + 57539748b^6$$
$$+ 371498104b^4 + 134131767b^2 - 39936)a^4 + (-5292032b^9 - 138652416b^7 - 669670092b^5 - 690007944b^3$$
$$+ 7783008b)a^3 + (4284928b^{10} + 70350804b^8 + 419504300b^6 + 765671758b^4 + 86872896b^2)a^2$$
$$+ (-992256b^{11} - 14643672b^9 - 104302288b^7 - 291945492b^5 - 134735232b^3)a + 79872b^{12} + 1005044b^{10} + 6586812b^8 + 42235381b^6 + 6715512b^4)z$$
$$+ 2039808b^2a^{10} + (-16216064b^3 - 5602032b)a^9 + (54841344b^4 + 47340480b^2 + 9984)a^8 + (-103369728b^5 - 158438520b^3 - 13003152b)a^7$$
$$+ (119429632b^6 + 274543314b^4 + 64729416b^2 + 19968)a^6 + (-87376896b^7 - 266275260b^5 - 96005028b^3 - 9058560b)a^5$$
$$+ (40142592b^8 + 142199430b^6 + 131380 56b^4 - 16959267b^2 + 9984)a^4 + (-10932736b^9 - 35232312b^7 + 84961524b^5$$
$$+ 123139708b^3 - 1567584b)a^3 + (1489152b^{10} + 160086b^8 - 74847796b^6 - 150906906b^4 - 13471560b^2)a^2$$
$$+ (-39936b^{11} + 1481724b^9 + 22905636b^7 + 65685612b^5 + 22580016b^3)a - 7168b^{12} - 171534b^{10} - 2047548b^8 - 11118929b^6 - 1674912b^4)z_1^2z_2^2$$
$$+ 4096bz^{13}(z-1)((217728b^5a - 62208b^6 + 62208b^4)z^7 + (-4834080b^4a^2 + (6119712b^5 + 761040b^3)a$$
$$- 2415744b^6 - 50256b^4)z^6 + (2172096b^4a^4 + (-5774976b^5 + 2408880b^3)a^3 + (5564160b^6 + 20796300b^4$$
$$- 12732160b^2)a^2 + (-2267136b^7 - 33725772b^5 + 13673752b^3)a + 333504b^8 + 13414728b^6 - 4915960b^4)z^5$$
$$+ (-13609440b^3a^5 + (38259216b^4 + 40155618b^2)a^4 + (-39046704b^5 - 130404049b^3 + 1522656b)a^3 + (168920 64b^6$$
$$+ 95347019b^4 + 59090224b^2)a^2 + (-2286000b^7 + 8413903b^5 - 76911472b^3)a - 267792b^8 - 17215481b^6$$
$$+ 23336800b^4)z^4 + (3350400b^3a^7 + (-15995520b^4 - 9606304b^2)a^6 + (31165440b^5 + 92983712b^3 - 8948736b)a^5$$
$$+ (-31799424b^6 - 236748612b^4 - 123429440b^2 + 19968)a^4 + (18000384b^7 + 264974392b^5 + 446040548b^3 - 6160512b)a^3$$
$$+ (-5433600b^8 - 145859008b^6 - 465607524b^4 - 108842936b^2)a^2 + (733824b^9 + 36984852b^7 + 170893144b^5 + 155414656b^3)a - 21504b^{10}$$
$$- 2770888b^8 - 15918352b^6 - 45233288b^4)z^3 + (-3861120b^2a^8 + (12508640b^3 + 12938256b)a^7 + (-5913904b^4 - 40146872b^2 - 39936)a^6$$
$$+ (-25489200b^5 - 52402528b^3 + 27035904b)a^5 + (47050080b^6 + 306608080b^4 + 127117868b^2 - 59904)a^4$$
$$+ (-35296992b^7 - 420743020b^5 - 57295033 8b^3 + 9350592b)a^3 + (13139472b^8 + 261502228b^6 + 68082521 4b^4 + 99294920b^2)a^2$$

$$+(-2261264b^9-74643016b^7-317615534b^5-152914944b^3)a+124288b^{10}+7087896b^8+53500242b^6+44281976b^4)z^2+(1359872b^2a^{10}$$
$$+(-9494528b^3-5602032b)a^9+(28381184b^4+44149184b^2+19968)a^8+(-47646720b^5-135193596b^3-25996320b)a^7$$
$$+(49391616b^6+212124436b^4+114115056b^2+79872)a^6$$
$$+(-32612352b^7-183247116b^5-141959112b^3-27245568b)a^5+(13553152b^8+82715748b^6-25243664b^4-44486688b^2+59904)a^4$$
$$+(-3311104b^9-12647076b^7+190965820b^5+317214796b^3-6310272b)a^3+(380416b^{10}-3777140b^8-159155508b^6-421084376b^4$$
$$-44761128b^2)a^2+(1536b^{11}+1632348b^9+52887872b^7+219240500b^5+74296808b^3)a-3072b^{12}-154756b^{10}$$
$$-5814208b^8-42520984b^6-21765408b^4)z-1359872b^2a^{10}+(10043392b^3+5602032b)a^9$$
$$+(-31789056b^4-43213888b^2-19968)a^8+(56842240b^5+136119900b^3+13073040b)a^7$$
$$+(-63518720b^6-231332484b^4-64440920b^2-39936)a^6+(462044416b^7+233589516b^5+115161672b^3+9158400b)a^5$$
$$+(-220288800b^8-144255948b^6-85254492b^4+642642b^2-19968)a^4+(6728192b^9+53624004b^7+9767592b^5-62309837b^3+1597536b)a^3$$
$$+(-1236480b^{10}-11225900b^8+20999072b^6+94557447b^4+7951080b^2)a^2+(118784b^{11}+1127460b^9-10664508b^7-53543681b^5$$
$$-14319840b^3)a-4096b^{12}-34692b^{10}+1430448b^8+11217799b^6+4283928b^4)z_1z_2^2$$
$$+4096b^2z^{14}(z-1)^2((62208b^5a-31104b^6+20736b^4)z^6+(-1611360b^4a^2+(2287872b^5+304416b^3)a$$
$$-918000b^6-162576b^4)z^5+(724032b^4a^4+(-1935360b^5+963552b^3)a^3+(1938816b^6+5560416b^4$$
$$-6366080b^2)a^2+(-857088b^7-10387944b^5+8284592b^3)a+143424b^8+4484676b^6-2937920b^4)z^4+(-5443776b^3a^5$$
$$+(15948432b^4+20077809b^2)a^4+(-18067680b^5-63420612b^3+1015104b)a^3+(9628704b^6+61237398b^4$$
$$+22642000b^2)a^2+(-2223648b^7-17592072b^5-33592352b^3)a+102672b^8-992523b^6+12179760b^4)z^3$$
$$+(1340160b^3a^7+(-6086016b^4-4803152b^2)a^6+(11526144b^5+35532608b^3-5965824b)a^5$$
$$+(-11741952b^6-83327884b^4-37103795b^2+19968)a^4+(6892800b^7+91888856b^5+149661372b^3-3115200b)a^3$$
$$+(-2301312b^8-52246096b^6-175740038b^4-29638832b^2)a^2+(396288b^9+14412776b^7+82617984b^5+47973760b^3)a-26112b^{10}$$
$$-1374164b^8-13175579b^6-17586224b^4)z^2+(-1930560b^2a^8+(7694400b^3+8625504b)a^7+(-11478480b^4-32775904b^2-39936)a^6$$
$$+(6687168b^5+31623296b^3+12111360b)a^5+(1043232b^6+21917372b^4+13648019b^2-39936)a^4$$
$$+(-3451008b^7-63280864b^5-112612268b^3+3185088b)a^3+(1792560b^8+47201240b^6+153433258b^4+16815984b^2)a^2$$
$$+(-386304b^9-14967520b^7-82683976b^5-29830912b^3)a+28992b^{10}+1601580b^8+16163319b^6+11073312b^4)z+679936b^2a^{10}$$
$$+(-4341760b^3-3734688b)a^9+(12128256b^4+24089072b^2+19968)a^8+(-19460096b^5-65664888b^3-8735328b)a^7+$$
$$(19793408b^6+99047908b^4+37834480b^2+39936)a^6+(-13277184b^7-90588720b^5-62038272b^3-6145536b)a^5$$
$$+(5912576b^8+51581844b^6+44986192b^4+3377967b^2+19968)a^4+(-1710080b^9-17989848b^7-8718936b^5+25407956b^3-1084992b)a^3$$
$$+(302592b^{10}+3604396b^8-6492296b^6-42879674b^4-3453072b^2)a^2+(-28672b^{11}-356640b^9+3631320b^7$$
$$+25695928b^5+6860496b^3)a+1024b^{12}+11564b^{10}-473304b^8-5530789b^6-2587088b^4)z_2^2$$
$$-810z(3z-2)^2z_1^{14}z_2-648z^2(3z-2)((55a-50b)z-36a+31b)z_1^{13}z_2$$
$$+72z^3(1296z^5+2106z^4+(-4752a^2+12960ba-7344b^2-6939)z^3+(-3627a^2+4014ba+540b^2-861)z^2$$
$$+(10986a^2-21888ba+8400b^2+6672)z-4303a^2+8970ba-3672b^2-2596)z_1^{12}z_2$$
$$+288z^4((2808a-1080b)z^5+(-10548a+28872b)z^4+(-14400a^3+52560ba^2+(-58680b^2+44070)a$$
$$+19512b^3-114420b)z^3+(5166a^3-20196ba^2+(26529b^2-81159)a-9183b^3+161436b)z^2+(12340a^3$$
$$-42440ba^2+(40494b^2+59216)a-12438b^3-95267b)z-6259a^3+21711ba^2+(-21426b^2-14750)a+6614b^3+20100b)z_1^{11}z_2$$
$$-144z^5(28512z^7-66150z^6+(151992a^2-603216ba+561528b^2+64971)z^5+(-458592a^2+1782420ba$$
$$-1731696b^2-136062)z^4+(120000a^4-446016ba^3+(518208b^2+218202)a^2+(-192576b^3-1549260b)a+7680b^4$$
$$+2083290b^2+114758)z^3+(6422a^4-298136ba^3+(993620b^2+471578)a^2+(-1030008b^3-16936b)a+330402b^4$$
$$-1214926b^2+113906)z^2+(-165312a^4+963720ba^3+(-1940504b^2-530494)a^2+(1551160b^3+576476b)a$$
$$-423800b^4+338492b^2-174289)z+71648a^4-377032ba^3+(697272b^2+149902)a^2+(-518728b^3-190236b)a$$
$$+133448b^4-34800b^2+54034)z_1^{10}z_2$$
$$-32z^6((124416a-248832b)z^8+(178848a+1870128b)z^7+(470016a^3-2322432ba^2+(4002048b^2$$
$$-4056156)a-2536704b^3+1045224b)z^6+(1451952a^3+1143936ba^2+(-16510608b^2+13753440)a+18413568b^3$$
$$-16980471b)z^5+(566784a^5-4285440ba^4+(12572928b^2-4518180)a^3+(-17618688b^3-6878052b)a^2$$
$$+(11467008b^4+57536856b^2-10386450)a-2757888b^5-55996128b^3+7629066b)z^4+(-402048a^5+7786944ba^4$$
$$+(-30574080b^2-2681488)a^3+(48134592b^3+40470276b)a^2+(-32875200b^4-114224520b^2-18541164)a+8076672b^5$$
$$+84306116b^3+44163330b)z^3+(221184a^7-2211840ba^6+(8957952b^2+2969412)a^5$$
$$+(-18911232b^3-24520872b)a^4+(22394880b^4+70164732b^2+14176884)a^3+(-14929920b^5-90672684b^3-64574136b)a^2$$
$$+(5225472b^6+54142992b^4+115922160b^2+36511332)a-746496b^7-12118356b^5-67428048b^3-65336040b)z^2$$
$$+(-294912a^7+2949120ba^6+(-11943936b^2-4217320)a^5+(25214976b^3+28089020b)a^4$$
$$+(-29859840b^4-68924616b^2-11916872)a^3+(19906560b^5+78084000b^3+41322436b)a^2$$
$$+(-6967296b^6-41593680b^4-57506400b^2-22258348)a+995328b^7+8448588b^5+27763260b^3+34022741b)z+98304a^7-983040ba^6$$
$$+(3981312b^2+1503924)a^5+(-8404992b^3-9325508b)a^4+(9953280b^4+21441564b^2+3097740)a^3$$
$$+(-6635520b^5-22668420b^3-9424768b)a^2+(2322432b^6+11226744b^4+11110320b^2+4687122)a-331776b^7-2117520b^5-4658144b^3-6190538b)z_1^9z_2$$

$$+ 64z^7(176904z^9 + (-129600a^2 - 694656ba + 1705536b^2 + 333072)z^8 + (2569968a^2 - 7332768ba$$
$$- 3262032b^2 - 627642)z^7 + (-922176a^4 + 2048256ba^3 + (3981312b^2 - 9701262)a^2 + (-14436864b^3 + 51962148b)a$$
$$+ 11073600b^4 - 28929798b^2 - 17321652)z^6 + (5495568a^4 - 39450432ba^3 + (81414432b^2 + 35956239)a^2$$
$$+ (-48279936b^3 - 209950845b)a - 10062192b^4 + 205463508b^2 + 78751944)z^5 + (-1677312a^6 + 11367936ba^5 + (-28774656b^2 - 16366544)a^4$$
$$+ (31901184b^3 + 130012024b)a^3 + (-11649024b^4 - 282915660b^2 - 97832163)a^2 + (-3373056b^5 + 199094512b^3$$
$$+ 440267427b)a + 2274048b^6 - 8525276b^4 - 433271136b^2 - 156667128)z^4 + (4939104a^6 - 37788672ba^5$$
$$+ (105599808b^2 + 32257094)a^4 + (-132878976b^3 - 205361872b)a^3 + (69121824b^4 + 381395914b^2 + 151705696)a^2$$
$$+ (-4949568b^5 - 216941084b^3 - 485043010b)a - 4264704b^6 - 6536904b^4 + 395462716b^2 + 174084288)z^3 + (-884736a^8 + 9068544ba^7$$
$$+ (-38965248b^2 - 9021834)a^6 + (91570176b^3 + 65779020b)a^5 + (-128729088b^4 - 180417060b^2 - 38353794)a^4 + (110979072b^5 + 233415120b^3$$
$$+ 188227788b)a^3 + (-57480192b^6 - 140028222b^4 - 277861814b^2 - 130058540)a^2 + (16422912b^7 + 29403228b^5$$
$$+ 96357756b^3 + 287137014b)a - 1990656b^8 + 1129152b^6 + 31376160b^4 - 153140462b^2 - 112451762)z^2 + (1130496a^8$$
$$- 11501568ba^7 + (48979968b^2 + 7723092)a^6 + (-113909760b^3 - 52678680b)a^5 + (158257152b^4 + 138717816b^2$$
$$+ 23081092)a^4 + (-134701056b^5 - 178229312b^3 - 94689616b)a^3 + (68843520b^6 + 112521580b^4 + 114491350b^2$$
$$+ 58035229)a^2 + (-19408896b^7 - 29799240b^5 - 16301100b^3 - 87240409b)a + 2322432b^8 + 1574784b^6 - 21838020b^4$$
$$+ 11914216b^2 + 39626562)z - 360448a^8 + 3637248ba^7 + (-15335424b^2 - 2247866)a^6 + (35241984b^3 + 14619772b)a^5$$
$$+ (-48291840b^4 - 37141228b^2 - 5307992)a^4 + (40476672b^5 + 46863600b^3 + 19640740b)a^3$$
$$+ (-20348928b^6 - 29846590b^4 - 20999018b^2 - 10535615)a^2 + (5640192b^7 + 8468460b^5 + 596972b^3 + 10823451b)a - 663552b^8 - 665760b^6$$
$$+ 4595120b^4 + 4138508b^2 - 5904586)z_1^8z_2 + 128z^8(1415232bz^9 + (-1036800ba^2 + (-1202688b^2 - 1620864)a + 4904064b^3 + 2564244b)z^8$$
$$+ (2195568a^3 + 11099808ba^2 + (-38084688b^2 + 11259135)a + 4944384b^3 - 15938667b)z^7$$
$$+ (-421440a^5 - 3690048ba^4 + (18189696b^2 - 13337652)a^3 + (-18090240b^3 - 27848700b)a^2 + (-10539840b^4 + 214473816b^2$$
$$- 49109376)a + 17562432b^5 - 126755904b^3 - 36507306b)z^6 + (7870576a^5 - 15923920ba^4 + (-80063456b^2$$
$$+ 45343021)a^3 + (269259808b^3 + 73860621b)a^2 + (-247328176b^4 - 802537140b^2 + 141534261)a + 48339184b^5$$
$$+ 732478450b^3 + 258037335b)z^5 + (-1549824a^7 + 5216256ba^6 + (11076864b^2 - 25199804)a^5 + (-78676224b^3$$
$$+ 65987084b)a^4 + (149690880b^4 + 229459340b^2 - 99588711)a^3 + (-133054464b^5 - 917905364b^3 - 180262335b)a^2$$
$$+ (56325888b^6 + 980650544b^4 + 1724592274b^2 - 253117436)a - 9098496b^7 - 293660008b^5 - 17553127 46b^3$$
$$- 536157356b)z^4 + (7075968a^7 - 38527872ba^6 + (50050848b^2 + 40712560)a^5 + (78235296b^3 - 99707056b)a^4$$
$$+ (-276979104b^4 - 348698288b^2 + 133876736)a^3 + (289036128b^5 + 1332515152b^3 + 261589842b)a^2$$
$$+ (-130066752b^6 - 1411629720b^4 - 2025475292b^2 + 275885853)a + 213864 96b^7 + 44488364 0b^5 + 2070208632b^3 + 590129151b)z^3$$
$$+ (-1253376a^9 + 11649024ba^8 + (-44396544b^2 - 9819424)a^7 + (89124864b^3 + 49293680b)a^6$$
$$+ (-99643392b^4 - 44943192b^2 - 38076972)a^5 + (57618432b^5 - 161820648b^3 + 80193040b)a^4 + (-8957952b^6 + 436507200b^4 + 293013568b^2$$
$$- 104415968)a^3 + (-7796736b^7 - 422945136b^5 - 1003870944b^3 - 213157154b)a^2 + (4313088b^8 + 182663208b^6$$
$$+ 997401856b^4 + 1309146448b^2 - 178722124)a - 663552b^9 - 291765 36b^7 - 306763232b^5 - 12773964 28b^3$$
$$- 374204814b)z^2 + (1703936a^9 - 16089088ba^8 + (62816256b^2 + 6208448)a^7 + (-131014656b^3 - 26623808b)a^6$$
$$+ (156487680b^4 + 1966416b^2 + 19601632)a^5 + (-104361984b^5 + 162407712b^3 - 37006916b)a^4 + (31297536b^6$$
$$- 343460608b^4 - 126620064b^2 + 43372763)a^3 + (2488320b^7 + 306903296b^5 + 393038792b^3 + 92394833b)a^2$$
$$+ (-4064256b^8 - 127131152b^6 - 355580912b^4 - 443394280b^2 + 63393519)a + 746496b^9 + 19842736b^7 + 102086504b^5 + 395407518b^3 + 129830469b)z$$
$$- 581632a^9 + 5586944ba^8 + (-22376448b^2 - 1610016)a^7 + (48517120b^3 + 6718640b)a^6$$
$$+ (-61691904b^4 - 451464b^2 - 4245256)a^5 + (46190592b^5 - 39536488b^3 + 8058824b)a^4 + (-18791424b^6 + 82357000b^4 + 20890056b^2$$
$$- 7444301)a^3 + (2810880b^7 - 72749064b^5 - 62990976b^3 - 16606755b)a^2 + (497664b^8 + 29912976b^6 + 51684768b^4 + 62332638b^2 - 9502968)a$$
$$- 165888b^9 - 4654768b^7 - 13411584b^5 - 48350690b^3 - 19168288b)z_1^7z_2 + 256z^9(4953312b^2z^9 + (-3628800b^2a^2 + (580608b^3 - 11346048b)a$$
$$+ 7475328b^4 + 8582220b^2 + 133128)z^8 + (15368976ba^3 + (8962272b^2 - 8625801)a^2 + (-83013552b^3 + 95870640b)a + 26077824b^4$$
$$- 98399739b^2 + 399384)z^7 + (-2950080ba^5 + (-1457472b^2 - 1192432)a^4 + (39623808b^3 - 89596912b)a^3$$
$$+ (-66939648b^4 + 59685042b^2 + 60008095)a^2 + (24445248b^5 + 401016476b^3 - 441295975b)a + 9599808b^6$$
$$- 270381916b^4 + 207067054b^2 - 6381824)z^6 + (2767656a^6 + 28100592ba^5 + (-136099040b^2 - 13157220)a^4$$
$$+ (80459200b^3 + 384985872b)a^3 + (277628280b^4 - 503617831b^2 - 173095161)a^2 + (-372725840b^5 - 1151098874b^3$$
$$+ 1215501174b)a + 102819712b^6 + 1238391728b^4 - 184791801b^2 + 22473672)z^5 + (-455680a^8 - 4383232ba^7$$
$$+ (36678912b^2 - 7255812)a^6 + (-82401280b^3 - 109208500b)a^5 + (45113600b^4 + 581586880b^2 + 68091747)a^4$$
$$+ (83704320b^5 - 632158092b^3 - 1006318478b)a^3 + (-141870336b^6 - 578014996b^4 + 1544582541b^2 + 268307463)a^2$$
$$+ (78852096b^7 + 1277634688b^5 + 1910551184b^3 - 2028928763b)a - 153530 88b^8 - 487660488b^6 - 283107543 4b^4$$
$$+ 55738310b^2 - 39936736)z^4 + (3755392a^8 + 169344ba^7 + (-103469024b^2 + 1112354)a^6 + (346887744b^3$$
$$+ 257687908b)a^5 + (-440334464b^4 - 1219450030b^2 - 118995820)a^4 + (159672768b^5 + 1604297056b^3$$
$$+ 1438248862b)a^3 + (132884256b^6 + 207413196b^4 - 2348020088b^2 - 240458401)a^2$$
$$+ (-129146880b^7 - 1646914144b^5 - 1697595988b^3 + 2065837304b)a + 300593 28b^8 + 736329820b^6 + 338074634 0b^4 + 31931241b^2 + 41213096)z^3$$
$$+ (-753664a^{10} + 4268032ba^9 + (-323584b^2 - 2248080)a^8 + (-55541760b^3 - 33843808b)a^7 + (195268608b^4$$

$$+ 303402128b^2 + 9305794)a^6 + (-338264064b^5 - 907192704b^3 - 305996740b)a^5 + (349231104b^6 + 1317542700b^4$$
$$+ 1311996354b^2 + 97863548)a^4 + (-224999424b^7 - 971509008b^5 - 18810439083b^3 - 1109043294b)a^3 + (89109504b^8$$
$$+ 308020056b^6 + 487175620b^4 + 1866218232b^2 + 123504927)a^2 + (-19934208b^9 - 903696b^7 + 927711808b^5$$
$$+ 756142032b^3 - 1255147977b)a + 1935360b^{10} - 13929726b^8 - 505903084b^6 - 2166857464b^4 - 40458800b^2$$
$$- 25142880)z^2 + (1212416a^{10} - 8404992ba^9 + (15802368b^2 - 870432)a^8 + (24051712b^3 + 45259712b)a^7$$
$$+ (-156078080b^4 - 292191904b^2 - 7659962)a^6 + (304680960b^5 + 802912128b^3 + 167339460b)a^5$$
$$+ (-325767168b^6 - 11551346888b^4 - 676001300b^2 - 38176748)a^4 + (210401280b^7 + 910258384b^5 + 1005026624b^3 + 433239082b)a^3$$
$$+ (-82151424b^8 - 372049136b^6 - 457642732b^4 - 737340421b^2 - 33056245)a^2 + (17952768b^9 + 63058960b^7 - 210063688b^5 - 143113770b^3 + 418439650b)a$$
$$- 1695744b^{10} - 839192b^8 + 162471400b^6 + 709193172b^4 + 19292083b^2 + 8455288)z - 458752a^{10} + 3481600ba^9 + (-8892416b^2 + 627664)a^8$$
$$+ (2990080b^3 - 15299616b)a^7 + (30633984b^4 + 88719232b^2 + 1730802)a^6$$
$$+ (-73340928b^5 - 233662192b^3 - 34022848b)a^5 + (82781184b^6 + 330323184b^4 + 132978448b^2 + 5565677)a^4$$
$$+ (-53968896b^7 - 262080208b^5 - 200196320b^3 - 66873708b)a^3 + (20782080b^8 + 112806560b^6 + 112037620b^4 + 113191725b^2 + 3415123)a^2$$
$$+ (-4408320b^9 - 22913168b^7 + 9679272b^5 + 6387756b^3 - 58930005b)a + 399360b^{10} + 1381000b^8 - 19607008b^6 - 93463978b^4 - 3913880b^2 - 1213128)z_1^6 z_2$$
$$+ 512z^{10}(9906624b^3z^9 + (-7257600b^3a^2 + (5515776b^4 - 34038144b^2)a + 6023808b^5 + 16296228b^3$$
$$+ 798768b)z^8 + (46106928b^2a^3 + (-35404128b^3 - 51754806b)a^2 + (-86154192b^4 + 338173173b^2 - 1461080)a$$
$$+ 40517280b^5 - 289080027b^3 + 2394640b)z^7 + (-8850240b^2a^5 + (17104320b^3 - 7154592b)a^4 + (28273536b^4$$
$$- 259417884b^2 + 13583105)a^3 + (-85333248b^5 + 402730416b^3 + 315589003b)a^2 + (53869248b^6 + 307495560b^4$$
$$- 1571068712b^2 + 9994584)a - 4542912b^7 - 315923592b^5 + 10488129983b^3 - 38309248b)z^6 + (16605936ba^6$$
$$+ (14209008b^2 - 14395745)a^5 + (-253613872b^3 + 30584666b)a^4 + (3833002883b^4 + 10263812653b^2 - 80891534)a^3$$
$$+ (-10935504b^5 - 2098345157b^3 - 781407952b)a^2 + (-247397584b^6 - 227491704b^4 + 40836488233b^2 - 29309784)a + 90848720b^7 + 1086824096b^5$$
$$- 2207310777b^3 + 134956848b)z^5 + (-2734080ba^8 + (3566592b^2 + 1969352)a^7 + (47532032b^3 - 68245496b)a^6$$
$$+ (-181755136b^4 - 28259404b^2 + 76023109)a^5 + (261922560b^5 + 1048049276b^3 - 145432573b)a^4$$
$$+ (-158835712b^6 - 20584436284b^4 - 23545760293b^2 + 200260743)a^3 + (11893760b^7 + 1000447892b^5 + 55502833433b^3 + 990480529b)a^2$$
$$+ (26105088b^8 + 452429776b^6 - 10378921504b^4 - 6330425166b^2 + 47764632)a - 7720704b^9 - 324264840b^7 - 2054177638b^5$$
$$+ 30625372963b^3 - 239863360b)z^4 + (612352a^9 + 13250304ba^8 + (-66788224b^2 - 16439976)a^7 + (29870656b^3$$
$$+ 189377980b)a^6 + (326978592b^4 - 105411352b^2 - 157185770)a^5 + (-736931744b^5 - 1775133492b^3 + 391500124b)a^4$$
$$+ (642572064b^6 + 40893354083b^4 + 2815210014b^2 - 263772260)a^3$$
$$+ (-219249248b^7 - 27544169763b^5 - 7617973441b^3 - 647963670b)a^2 + (-15655683b^8 - 935756406b^6 + 26745540283b^4 + 5975282251b^2 - 46714568)a$$
$$+ 11409600b^9 + 429343232b^7 + 21597722123b^5 - 2778830821b^3 + 247526512b)z^3 + (-163840a^{11} - 1310720ba^{10} + (18505728b^2$$
$$+ 2396864)a^9 + (-73424896b^3 - 49697440b)a^8 + (138905600b^4 + 215361136b^2 + 33211032)a^7$$
$$+ (-122568704b^5 - 28216692883b^3 - 296850644b)a^6 + (1170432b^6 - 250741536b^4 + 453091100b^2 + 159381098)a^5 + (107873280b^7 + 1106794776b^5$$
$$+ 1112086316b^3 - 500548258b)a^4 + (-111651840b^8 - 1249746792b^6 - 3548932272b^4 - 1664822842b^2 + 194921087)a^3$$
$$+ (55231488b^9 + 638968392b^7 + 2926224760b^5 + 5482602010b^3 + 168112805b)a^2$$
$$+ (-14045184b^{10} - 138335124b^8 - 395193160b^6 - 2560919192b^4 - 3362392628b^2 + 27417672)a + 1474560b^{11} + 6905280b^9 - 253222912b^7$$
$$- 1254984164b^5 + 1560014070b^3 - 150982080b)z^2 + (327680a^{11} + 1146880ba^{10} + (-26509312b^2 - 4781952)a^9 + (123420672b^3 + 63860352b)a^8$$
$$+ (-285577216b^4 - 275601504b^2 - 24998680)a^7 + (381071360b^5 + 520252928b^3 + 212106340b)a^6$$
$$+ (-297259008b^6 - 360992000b^4 - 457353856b^2 - 79313605)a^5 + (118032384b^7 - 214408536b^5 - 72213060b^3 + 298262018b)a^4$$
$$+ (-2211840b^8 + 537663344b^6 + 1250356624b^4 + 403668417b^2 - 76609326)a^3 + (-18917376b^9 - 354894592b^7 - 12836518085b^5 - 1928112149b^3$$
$$+ 21533916b)a^2 + (7437312b^{10} + 97878024b^8 + 296055952b^6 + 1095843940b^4 + 1033895273b^2 - 8941192)a$$
$$- 955392b^{11} - 88129563b^9 + 66679368b^7 + 379945428b^5 - 485974055b^3 + 50756688b)z - 163840a^{11} + 163840ba^{10}$$
$$+ (6692864b^2 + 1772736)a^9 + (-37412864b^3 - 21443680b)a^8 + (94898176b^4 + 92485104b^2 + 6253280)a^7$$
$$+ (-138735616b^5 - 19194225563b^3 - 52942532b)a^6 + (124400640b^6 + 19839265643b^4 + 133789560b^2 + 15490913)a^5$$
$$+ (-67537920b^7 - 70952720b^5 - 83929760b^3 - 67215129b)a^4 + (19676160b^8 - 45193848b^6 - 1271766083b^4 - 12529069b^2 + 12508185)a^3$$
$$+ (-1405952b^9 + 52660648b^7 + 190701760b^5 + 251476135b^3 - 14589825b)a^2$$
$$+ (-724992b^{10} - 17730224b^8 - 58076144b^6 - 17101185583b^4 - 133074870b^2 + 1249736)a + 147456b^{11} + 19166643b^9 - 6314464b^7 - 47954150b^5$$
$$+ 63628464b^3 - 7278768b)z_1^5 z_2 + 1024z^{11}(12383280b^4z^9 + (-9072000b^4a^2 + (9725184b^5 - 56730240b^3)a + 1596672b^6 + 191813403b^4$$
$$+ 1996920b^2)z^8 + (76844880b^3a^3 + (-102859200b^4 - 129387015b^2)a^2 + (-27772848b^5 + 646875990b^3 - 7305400b)a$$
$$+ 31066272b^6 - 483322455b^4 + 5982440b^2)z^7 + (-14750400b^3a^5 + (42784320b^4 - 17886480b^2)a^4$$
$$+ (-189500163b^5 - 41995356003b^3 + 67915525b)a^3 + (-42127104b^6 + 821371842b^4 + 690555750b^2 + 93192)a^2 + (41173824b^7$$
$$- 97223748b^5 - 2976629551b^3 + 50001208b)a - 8424768b^8 - 188742804b^6 + 20729133183b^4 - 958188802b^2)z^6$$
$$+ (41514840b^2a^6 + (-74993680b^3 - 71978725b)a^5 + (-155311168b^4 + 310126012b^2 - 1472424)a^4 + (417927744b^5$$
$$+ 1144167210b^3 - 398329398b)a^3 + (-216580936b^6 - 3238710707b^4 - 1392306431b^2 - 565808)a^2 + (-54135856b^7$$
$$+ 1221976208b^5 + 72615677843b^3 - 146677048b)a + 42171216b^8 + 414352670b^6 - 4745588049b^4 + 337679160b^2)z^5$$
$$+ (-6835200b^2a^8 + (29337600b^3 + 9846760b)a^7 + (-18265856b^4 - 222783996b^2 + 3645336)a^6 + (-100622336b^5$$

$$+ 523100708b^3 + 348806201b)a^5 + (2335009928b^6 + 283318024b^4 - 1439953786b^2 + 7352136)a^4$$
$$+ (-211256832b^7 - 1788727756b^5 - 1291252310b^3 + 971120195b)a^3 + (87387904b^8 + 1559285684b^6 + 68966747709b^4 + 1144371814b^2 + 1432824)a^2$$
$$+ (-12825088b^9 - 283966264b^7 - 3871481870b^5 - 10360810325b^3 + 239042808b)a - 422656b^{10} - 78717452b^8 - 374320878b^6 + 6674232770b^4 - 600265760b^2)z^4$$
$$+ (3061760ba^9 + (13781760b^2 - 3306072)a^8 + (-136698624b^3 - 39142456b)a^7 + (295574304b^4 + 625072998b^2$$
$$- 14541408)a^6 + (-139883712b^5 - 16907200012b^3 - 663930226b)a^5 + (-3020620166^6 + 679237106b^4 + 29350469028b^2$$
$$- 14699280)a^4 + (469253760b^7 + 2471980320b^5 - 358009520b^3 - 1259372500b)a^3$$
$$+ (-254416128b^8 - 29686549166^6 - 7691944080b^4 + 63161575b^2 - 1937056)a^2 + (53414976b^9 + 874555696b^7 + 5592687096b^5 + 8895164422b^3$$
$$- 233735912b)a - 2025632b^{10} + 45827882b^8 + 28573840b^6 - 5896332867b^4 + 619436120b^2)z^3 + (-819200ba^{11}$$
$$+ (3391488b^2 + 1039968)a^{10} + (7528448b^3 - 6189888b)a^9 + (-76935168b^4 - 62617520b^2 + 9894920)a^8$$
$$+ (215013376b^5 + 472530704b^3 + 41441080b)a^7 + (-319050752b^6 - 12035192288^4 - 830137498b^2 + 21777168)a^6$$
$$+ (279638016b^7 + 1430360568b^5 + 2579353884b^3 + 618561010b)a^5$$
$$+ (-143047680b^8 - 702985200b^6 - 2480031686b^4 - 2997965040b^2 + 14709264)a^4 + (36034560b^9 - 84234528b^7 - 616913396b^5 + 2060025752b^3 + 915957435b)a^3$$
$$+ (36864b^{10} + 225708078b^8 + 2142158820b^6 + 4201414140b^4 - 773848170b^2 + 1474424)a^2$$
$$+ (-2135040b^{11} - 773599168^9 - 848309368b^7 - 40370165328^5 - 4482868209b^3 + 137116648b)a + 344064b^{12} + 7275592b^{10} + 8444590b^8 + 167981120b^6 + 3172724832b^4$$
$$- 377767200b^2)z^2 + (1638400ba^{11} + (-9732096b^2 - 2079936)a^{10} + (9584640b^3 + 10589824b)a^9 + (68657152b^4$$
$$+ 55285472b^2 - 9883272)a^8 + (-274493440b^5 - 489940256b^3 - 4773608b)a^7 + (484935680b^6 + 1383457080b^4$$
$$+ 463130282b^2 - 14511456)a^6 + (-498868224b^7 - 19810182888^5 - 1671407540b^3 - 280647545b)a^5 + (316452864b^8$$
$$+ 1549260304b^6 + 2171535020b^4 + 1507165548b^2 - 7367112)a^4$$
$$+ (-121794560b^9 - 626307424b^7 - 791412960b^5 - 16201890188^3 - 354124310b)a^3 + (25870336b^{10} + 945975168^8 - 451417708b^6 - 854443193b^4 + 504632367b^2 - 599088)a^2$$
$$+ (-2211840b^{11} + 8781360b^9 + 302274552b^7 + 1370053872b^5 + 1201129500b^3 - 44681000b)a - 36864b^{12} - 2638112b^{10}$$
$$- 11017864b^8 - 93108358b^6 - 944562781b^4 + 126954120b^2)z - 819200ba^{11} + (6340608b^2 + 1039968)a^{10}$$
$$+ (-18423808b^3 - 7461696b)a^9 + (19697664b^4 + 5238672b^2 + 3294424)a^8 + (17012736b^5 + 83477008b^3 - 7386752b)a^7$$
$$+ (-77272064b^6 - 311302412b^4 - 76668498b^2 + 3630360)a^6 + (104583168b^7 + 510769032b^5 + 349928784b^3 + 49189285b)a^5$$
$$+ (-77746176b^8 - 4560605366^6 - 545310192b^4 - 296536926b^2 + 1477416)a^4 + (34140160b^9 + 225942208b^7 + 333659496b^5 + 408382790b^3 + 56833053b)a^3$$
$$+ (-8489984b^{10} - 57140394b^8 - 29530708b^6 - 22446935b^4 - 107179890b^2 + 101512)a^2 + (1004544b^{11} + 5449100b^9 - 28657496b^7 - 160950210b^5$$
$$- 127699371b^3 + 6238696b)a - 28672b^{12} + 53968b^{10} + 1238424b^8 + 126072586^6 + 118370612b^4 - 18196920b^2)z_1^4z_2$$
$$+ 2048z^{12}(9906624b^5z^9 + (-7257600b^5a^2 + (8999424b^6 - 56730240b^4)a - 1378944b^7 + 14310972b^5$$
$$+ 2662560b^3)z^8 + (76844880b^4a^3 + (-122725152b^5 - 172516020b^3)a^2 + (27531792b^6 + 729115305b^4 - 14610800b^2)a$$
$$+ 11219328b^7 - 487778937b^5 + 7971040b^3)z^7 + (-14750400b^4a^5 + (48454464b^5 - 23848640b^3)a^4$$
$$+ (-48514944b^6 - 410755820b^4 + 135831050b^2)a^3 + (7058688b^7 + 883317876b^5 + 806494870b^3 + 372768b)a^2 + (11509824b^8$$
$$- 380941448b^6 - 3302922424b^4 + 100058992b^2)a - 3920448b^9 - 27744848b^7 + 2252607570b^5 - 127819520b^3)z^6$$
$$+ (55353120b^3a^6 + (-155523120b^4 - 143957450b^2)a^5 + (58002256b^5 + 671512988b^3 - 5889696b)a^4 + (167829472b^6$$
$$+ 402102519b^4 - 786432460b^2 + 6656)a^3 + (-154145088b^7 - 2539104741b^5 - 1213394880b^3 - 2274880b)a^2$$
$$+ (19691536b^8 + 1566249492b^6 + 7565128819b^4 - 293610352b^2)a + 9859312b^9 - 69643186b^7 - 5226278307b^5$$
$$+ 450621600b^3)z^5 + (-9113600b^3a^8 + (48263680b^4 + 19693520b^2)a^7 + (-913039366^5 - 353797264b^3 + 14581344b)a^6$$
$$+ (58362624b^6 + 1087409804b^4 + 646925362b^2 - 19968)a^5 + (340999686^7 - 10412565086^5 - 30133178986^3$$
$$+ 29533344b)a^4 + (-73430528b^8 - 93336108b^6 + 1997987335b^4 + 1891789766b^2 - 33280)a^3 + (42498560b^9$$
$$+ 613238324b^7 + 3350091799b^5 + 21016554b^3 + 5787872b)a^2$$
$$+ (-101363206^{10} - 240397632b^8 - 3199826282b^6 - 9853411056b^4 + 478524912b^2)a + 747776b^{11} + 5912264b^9 + 388706642b^7 + 7178472612b^5 - 801164160b^3)z^4$$
$$+ (6123520b^2a^9 + (-2268160b^3 - 13224288b)a^8 + (-114219392b^4 - 9421072b^2 + 19968)a^7 + (352239360b^5$$
$$+ 803784920b^3 - 58380288b)a^6 + (-418499488b^6 - 2788937744b^4 - 1130596388b^2 + 79872)a^5 + (173801440b^7$$
$$+ 3400378984b^5 + 5714266680b^3 - 59281344b)a^4 + (61838112b^8 - 1146740752b^6 - 6268078500b^4 - 2419205864b^2$$
$$+ 66560)a^3 + (-82110240b^9 - 651706816b^7 - 1178807386b^5 + 1957878564b^3 - 7858048b)a^2 + (25433376b^{10}$$
$$+ 447029760b^8 + 3356743348b^6 + 7478261267b^4 - 467797968b^2)a - 2301152b^{11} - 38295592b^9 - 619169256b^7$$
$$- 60641985956^5 + 826741280b^3)z^3 + (-1638400b^2a^{11} + (11599872b^3 + 4159872b)a^{10}$$
$$+ (-30212096b^4 - 41258816b^2 - 6656)a^9 + (26165248b^5 + 93020160b^3 + 39681184b)a^8 + (34349056b^6 + 104102560b^4 - 115351760b^2$$
$$- 59904)a^7 + (-1138114566^7 - 7262966566^5 - 6689316566^3 + 87727680b)a^6 + (134439936b^8 + 1207369464b^6$$
$$+ 3158026172b^4 + 949322276b^2 - 119808)a^5 + (-88398848b^9 - 949240248b^7 - 4648647720b^5 - 5419088924b^3$$
$$+ 59540928b)a^4 + (34076672b^{10} + 350523816b^8 + 2628616784b^6 + 7339614476b^4 + 1733737846b^2 - 66560)a^3$$
$$+ (-7221248b^{11} - 32602272b^9 - 1551598886^7 - 1634677550b^5 - 2340367438b^3 + 6004192b)a^2 + (651264b^{12} - 11955212b^{10} - 276459620b^8$$
$$- 16580071606^6 - 3144760204b^4 + 274289872b^2)a + 2135860b^{11} + 36599920b^9 + 443833292b^7 + 3081452446b^5 - 504105600b^3)z^2$$
$$+ (3276800b^2a^{11} + (-261488646b^3 - 8319744b)a^{10} + (84688896b^4 + 75240064b^2 + 13312)a^9 + (-137396224b^5 - 229528448b^3 - 39724448b)a^8$$
$$+ (97796096b^6 + 223323584b^4 + 180452240b^2 + 59904)a^7 + (27811840b^7 + 265109376b^5 + 60553992b^3$$
$$- 58639872b)a^6 + (-117722112b^8 - 878938832b^6 - 1408052576b^4 - 374754610b^2 + 79872)a^5 + (106390528b^9$$

$$+ 924777472b^7 + 2619409716b^5 + 2534083532b^3 - 29922720b)a^4$$
$$+ (-50147328b^{10} - 485775504b^8 - 1913594656b^6 - 3950754347b^4 - 659841164b^2 + 33280)a^3 + (13068288b^{11} + 1274383680b^9 + 486720280b^7$$
$$+ 1718303199b^5 + 1158650704b^3 - 2447936b)a^2 + (-1690624b^{12} - 13445480b^{10} + 25132784b^8 + 234548400b^6 + 610305233b^4 - 89312080b^2)a$$
$$+ 72704b^{13} + 137064b^{11} - 10472508b^9 - 1377221266b^7 - 857647857b^5 + 169355360b^3)z - 1638400b^2a^{11}$$
$$+ (14548992b^3 + 4159872b)a^{10} + (-55132160b^4 - 40104768b^2 - 6656)a^9 + (116244480b^5 + 151125504b^3$$
$$+ 13267552b)a^8 + (-148578304b^6 - 285043040b^4 - 75387904b^2 - 19968)a^7 + (116441088b^7 + 27196433 6b^5$$
$$+ 103141720b^3 + 14711136b)a^6 + (-51959808b^8 - 88206168b^6 + 121769640b^4 + 53060810b^2 - 19968)a^5 + (8519680b^9$$
$$- 62309528b^7 - 436849608b^5 - 463608986b^3 + 6019488b)a^4 + (3083264b^{10} + 70893284b^8 + 406844888b^6$$
$$+ 81304382 5b^4 + 104120826b^2 - 6656)a^3 + (-1844224b^{11} - 26277780b^9 - 146944800b^7 - 469146061b^5 - 217762354b^3$$
$$+ 416032b)a^2 + (333824b^{12} + 3958136b^{10} + 13858520b^8 + 44705554b^6 - 24986700b^4 + 12457424b^2)a - 18432b^{13}$$
$$- 161896b^{11} + 263280b^9 + 11898474b^7 + 99153472b^5 - 24262560b^3)z_1^3z_2$$
$$+ 4096bz^{13}(4953312b^5z^9 + (-3628800b^5a^2 + (4810752b^6 - 34038144b^4)a - 14204 16b^7 + 6596964b^5$$
$$+ 1996920b^3)z^8 + (46106928b^4a^3 + (-78358752b^5 - 129387015b^3)a^2 + (31994352b^6 + 486203940b^4 - 14610800b^2)a$$
$$+ 657504b^7 - 295344297b^5 + 5974120b^3)z^7 + (-8850240b^4a^5 + (29892672b^5 - 17886480b^3)a^4$$
$$+ (-35754624b^6 - 242861952b^4 + 135831050b^2)a^3 + (16936704b^7 + 540563742b^5 + 531918715b^3 + 559152b)a^2$$
$$+ (-16778888b^8 - 304741788b^6 - 2171534357b^4 + 100115568b^2)a - 567360b^9 + 29456646b^7 + 1420819802b^5 - 95910400b^3)z^6 + (41514840b^3a^6$$
$$+ (-130743984b^4 - 143957450b^2)a^5 + (122942432b^5 + 656987852b^3 - 8834544b)a^4 + (-6953920b^6 - 217467692b^4 - 778236332b^2$$
$$+ 19968)a^3 + (-415019526^7 - 1069935737b^5 - 503998159b^3 - 3429792b)a^2 + (14387264b^8 + 888677178b^6$$
$$+ 4702169854b^4 - 293866608b^2)a + 458744b^9 - 136001101b^7 - 3292807779b^5 + 338253240b^3)z^5 + (-6835200b^3a^8$$
$$+ (37633536b^4 + 19693520b^2)a^7 + (-82673920b^5 - 298305596b^3 + 21872016b)a^6 + (91197440b^6 + 949962740b^4$$
$$+ 608169970b^2 - 59904)a^5 + (-50077440b^7 - 1216466576b^5 - 2866387633b^3 + 44447280b)a^4 + (8718848b^8$$
$$+ 659892908b^6 + 3168368726b^4 + 1851375366b^2 - 99840)a^3 + (3606272b^9 - 84699340b^7 - 120065176^5 - 923074405b^3$$
$$+ 8766672b)a^2 + (-1772544b^{10} - 34836652b^8 - 1153206600b^6 - 55811575896^4 + 4789642086^2)a + 198912b^{11}$$
$$+ 4575640b^9 + 276672980b^7 + 4406694634b^5 - 601480480b^3)z^4 + (6123520b^2a^9 + (-13322880b^3 - 19836432b)a^8$$
$$+ (-44293504b^4 + 42191760b^2 + 59904)a^7 + (195674848b^5 + 508205854b^3 - 87812544b)a^6$$
$$+ (-290353728b^6 - 2068903972b^4 - 980664548b^2 + 239616)a^5 + (209674944b^7 + 3025159046b^5 + 5195916596b^3 - 89488608b)a^4$$
$$+ (-70484096b^8 - 1999048160b^6 - 7149792002b^4 - 2339564456b^2 + 199680)a^3 + (4634784b^9 + 522555726b^7 + 2790125112b^5 + 2622223381b^3 - 11951808b)a^2$$
$$+ (2823616b^{10} - 1634316b^8 + 468356172b^6 + 3622663132b^4 - 468124112b^2)a - 461120b^{11} - 8575602b^9$$
$$- 284401454b^7 - 35635233016^5 + 620675800b^3)z^3 + (-1638400b^2a^{11} + (12648448b^3 + 6239808b)a^{10}$$
$$+ (-41091072b^4 - 62668480b^2 - 19968)a^9 + (72704000b^5 + 211580336b^3 + 59634096b)a^8$$
$$+ (-74678272b^6 - 300716576b^4 - 262112208b^2 - 179712)a^7 + (41641984b^7 + 102020272b^5 - 47129794b^3 + 132280416b)a^6 + (-6315008b^8 + 219681504b^6$$
$$+ 1698866532b^4 + 732128996b^2 - 359424)a^5 + (-7146496b^9 - 299541846b^7 - 3140574234b^5 - 4690086860b^3$$
$$+ 90127584b)a^4 + (5228544b^{10} + 157440760b^8 + 2421195060b^6 + 7287307602b^4 + 1655338742b^2 - 199680)a^3$$
$$+ (-1559552b^{11} - 36640772b^9 - 811684266b^7 - 3959134792b^5 - 2549895117b^3 + 9166032b)a^2 + (216064b^{12} + 2401688b^{10} + 78571256b^8 + 391247496b^6$$
$$- 1086942587b^4 + 274346448b^2)a - 10240b^{13} + 178730b^{11} + 3288750b^9 + 137470794b^7 + 17053792886^5 - 378391200b^3)z^2$$
$$+ (3276800b^2a^{11} + (-26771456b^3 - 12479616b)a^{10} + (93323264b^4 + 114361728b^2 + 39936)a^9$$
$$+ (-181665792b^5 - 408774048b^3 - 59793840b)a^8 + (216350720b^6 + 743446080b^4 + 319113008b^2 + 179712)a^7$$
$$+ (-161019904b^7 - 727414240b^5 - 446274998b^3 - 88611264b)a^6 + (71600128b^8 + 339367744b^6 - 278420452b^4 - 235151986b^2 + 239616)a^5$$
$$+ (-151060486^9 - 4586400b^7 + 1266841620b^5 + 2080331204b^3 - 45405744b)a^4$$
$$+ (-1083392b^{10} - 68362568b^8 - 1224343040b^6 - 3576911034b^4 - 621290220b^2 + 99840)a^3 + (1345536b^{11} + 285445366^9 + 493781118b^7$$
$$+ 22797213976^5 + 1159605321b^3 - 3749280b)a^2 + (-266240b^{12} - 4243992b^{10} - 72713404b^8 - 452102734b^6 + 17760578b^4 - 89262160b^2)a + 16384b^{13}$$
$$+ 157160b^{11} + 1698612b^9 - 18405421b^7 - 437792567b^5 + 127078920b^3)z - 1638400b^2a^{11} + (14123008b^3$$
$$+ 6239808b)a^{10} + (-52363264b^4 - 57816768b^2 - 19968)a^9 + (109813760b^5 + 218160656b^3 + 19996176b)a^8$$
$$+ (-144097280b^6 - 440922720b^4 - 118891072b^2 - 59904)a^7 + (123342848b^7 + 524930432b^5 + 242017150b^3 + 22271376b)a^6$$
$$+ (-69389312b^8 - 378092400b^6 - 161974272b^4 + 19475018b^2 - 59904)a^5 + (25041920b^9 + 160758576b^7 - 87714464b^5 - 358874679b^3 + 9154032b)a^4$$
$$+ (-5390336b^{10} - 36412664b^8 + 184951872b^6 + 685249424b^4 + 96545850b^2 - 19968)a^3 + (566272b^{11} + 2989528b^9 - 95361782b^7$$
$$- 48734565 3b^5 - 207392721b^3 + 639024b)a^2 + (-7168b^{12} + 184584b^{10} + 178975006^8 + 124965172b^6 + 44875173b^4$$
$$+ 12437456b^2)a - 2048b^{13} - 23128b^{11} - 878160b^9 - 4029532b^7 + 45023944b^5 - 18196920b^3)z_1^2z_2$$
$$+ 8192b^2z^{14}(z-1)(1415232b^5z^8 + (-1036800b^5a^2 + (1410048b^6 - 11346048b^4)a - 508032b^7$$
$$+ 3128652b^5 + 798768b^3)z^7 + (15368976b^4a^3 + (-27360288b^5 - 51754806b^3)a^2 + (13941936b^6 + 166763907b^4$$
$$- 7305400b^2)a - 1147248b^7 - 95961717b^5 + 3186752b^3)z^6 + (-2950080b^4a^5 + (9745728b^5 - 7154592b^3)a^4$$
$$+ (-12100992b^6 - 650301966^4 + 67915525b^2)a^3 + (6797568b^7 + 151089912b^5 + 136924569b^3 + 372768b)a^2$$
$$+ (-1562304b^8 - 95116164b^6 - 622722397b^4 + 42780672b^2)a + 62400b^9 + 145692966^7 + 394823709b^5 - 35195712b^3)z^5 + (16605936b^3a^6$$
$$+ (-55378928b^4 - 71978725b^2)a^5 + (67286256b^5 + 300919546b^3 - 5889696b)a^4 + (-33624208b^6 - 268996537b^4 - 318119681b^2$$

$$+ 19968)a^3 + (3465328b^7 - 85665803b^5 + 68355961b^3 - 1925408b)a^2 + (1866816b^8 + 164194004b^6$$
$$+ 1016525092b^4 - 104280760b^2)a - 218128b^9 - 37175495b^7 - 742751838b^5 + 100220400b^3)z^4 + (-2734080b^3a^8$$
$$+ (14542848b^4 + 9846760b^2)a^7 + (-32018432b^5 - 112056840b^3 + 14581344b)a^6 + (37692160b^6 + 337164620b^4$$
$$+ 218694388b^2 - 59904)a^5 + (-25414912b^7 - 452172316b^5 - 1016003823b^3 + 23813376b)a^4 + (9636096b^8$$
$$+ 303745688b^6 + 1340859924b^4 + 592438818b^2 - 79872)a^3$$
$$+ (-1801472b^9 - 97451944b^7 - 577997826b^5 - 605913122b^3 + 3975616b)a^2 + (88064b^{10} + 10973800b^8 - 19384528b^6 - 778422914b^4 + 135420992b^2)a$$
$$+ 9728b^{11} + 14744b^9 + 39129921b^7 + 753658522b^5 - 140614736b^3)z^3 + (3061760b^2a^9 + (-11167488b^3 - 13224288b)a^8$$
$$+ (7244928b^4 + 48123552b^2 + 59904)a^7 + (23950912b^5 + 53076324b^3 - 44068512b)a^6$$
$$+ (-53584160b^6 - 425554236b^4 - 220557726b^2 + 179712)a^5 + (48005344b^7 + 706283440b^5 + 1301402045b^3 - 36116928b)a^4$$
$$+ (-222222240b^8 - 538909800b^6 - 1969751462b^4 - 547701202b^2 + 119808)a^3 + (5184160b^9 + 199112764b^7 + 1154950124b^5 + 8146121926^3 - 4102080b)a^2$$
$$+ (-471872b^{10} - 29957256b^8 - 209387424b^6 + 2001888354^4 - 98804136b^2)a - 1344b^{11} + 914332b^9 - 12869825b^7 - 418611965b^5 + 107903520b^3)z^2$$
$$+ (-819200b^2a^{11} + (6094848b^3 + 4159872b)a^{10} + (-19578880b^4 - 35242624b^2 - 19968)a^9 + (35733504b^5$$
$$+ 117461344b^3 + 26580032b)a^8 + (-40896512b^6 - 203602416b^4 - 130416296b^2 - 119808)a^7 + (30441472b^7$$
$$+ 198734768b^5 + 185848576b^3 + 44417952b)a^6 + (-14688256b^8 - 105928220b^6 + 29327064b^4 + 72832372b^2$$
$$- 179712)a^5 + (4362240b^9 + 22931200b^7 - 321062964b^5 - 722484021b^3 + 24352512b)a^4 + (-668672b^{10}$$
$$+ 4181540b^8 + 326805068b^6 + 1225641544b^4 + 250987049b^2 - 79872)a^3 + (9216b^{11} - 3219444b^9 - 140579748b^7$$
$$- 817168334b^5 - 459002871b^3 + 2115104b)a^2 + (11264b^{12} + 546808b^{10} + 24726480b^8 + 202184036b^6 + 61241583b^4$$
$$+ 38397376b^2)a - 1024b^{13} - 22828b^{11} - 1105332b^9 - 5352197b^7 + 115685053b^5 - 43577760b^3)z + 819200b^2a^{11}$$
$$+ (-6389760b^3 - 4159872b)a^{10} + (21528576b^4 + 34029696b^2 + 19968)a^9 + (-41402368b^5 - 114883872b^3 - 13367392b)a^8$$
$$+ (50423808b^6 + 211858160b^4 + 72511712b^2 + 59904)a^7$$
$$+ (-40667136b^7 - 235848080b^5 - 143631660b^3 - 14930784b)a^6 + (21990400b^8 + 164112252b^6 + 117600600b^4 + 1009691b^2 + 59904)a^5$$
$$+ (-7861248b^9 - 70957516b^7 - 10246752b^5 + 143320845b^3 - 6159264b)a^4 + (1772544b^{10} + 18168748b^8 - 45834636b^6 - 278092249b^4$$
$$- 45520509b^2 + 19968)a^3 + (-226304b^{11} - 2445396b^9 + 28632736b^7 + 203189015b^5 + 96778077b^3 - 436000b)a^2$$
$$+ (12288b^{12} + 125880b^{10} - 6044000b^8 - 57841908b^6 - 32228058b^4 - 6208744b^2)a + 331776b^9 + 3353580b^7$$
$$- 11385648b^5 + 7278768b^3)z_1z_2$$
$$+ 16384b^3z^{15}(z-1)^2(176904b^5z^7 + (-129600b^5a^2 + (176256b^6 - 1620864b^4)a - 67392b^7 + 545076b^5$$
$$+ 133128b^3)z^6 + (2195568b^4a^3 + (-3926448b^5 - 8625801b^3)a^2 + (2123280b^6 + 24465270b^4 - 1461080b^2)a$$
$$- 246096b^7 - 13280619b^5 + 663976b^3)z^5 + (-421440b^4a^5 + (1317120b^5 - 1192432b^3)a^4$$
$$+ (-1590144b^6 - 7106968b^4 + 13583105b^2)a^3 + (903936b^7 + 17007132b^5 + 11029086b^3 + 93192b)a^2$$
$$+ (-229440b^8 - 10916800b^6 - 72575529b^4 + 7100712b^2)a + 16896b^9 + 1824698b^7 + 45113852b^5 - 5205304b^3)z^4 + (2767656b^3a^6$$
$$+ (-9078192b^4 - 14395745b^2)a^5 + (11611440b^5 + 53830284b^3 - 1472424b)a^4 + (-7071744b^6 - 58234430b^4 - 49627260b^2 + 6656)a^3$$
$$+ (1919016b^7 + 13903756b^5 + 36712284b^3 - 391072b)a^2 + (-126864b^8 + 8216829b^6 + 80704252b^4 - 13775408b^2)a$$
$$- 9024b^9 - 2831534b^7 - 65183288b^5 + 11513904b^3)z^3 + (-455680b^3a^8 + (2235392b^4 + 1969352b^2)a^7$$
$$+ (-4635904b^5 - 16824820b^3 + 3645336b)a^6 + (5267968b^6 + 44904252b^4 + 27853923b^2 - 19968)a^5$$
$$+ (-3545600b^7 - 56844744b^5 - 128571168b^3 + 4492152b)a^4 + (1420288b^8 + 37995252b^6 + 173519226b^4 + 67275822b^2 - 19968)a^3$$
$$+ (-319744b^9 - 13107288b^7 - 92837406b^5 - 89981390b^3 + 614064b)a^2 + (34304b^{10} + 1964296b^8 + 14902077b^6 - 27020954b^4 + 13332752b^2)a$$
$$- 1024b^{11} - 74732b^9 + 1174752b^7 + 45783898b^5 - 11946568b^3)z^2 + (612352b^2a^9 + (-2576896b^3 - 3306072b)a^8$$
$$+ (4064000b^4 + 13305144b^2 + 19968)a^7 + (-2439552b^5 - 12512438b^3 - 7385520b)a^6$$
$$+ (-670016b^6 - 15532620b^4 - 12335907b^2 + 39936)a^5 + (1848832b^7 + 41490048b^5 + 100232348b^3 - 4567032b)a^4$$
$$+ (-1108608b^8 - 34882728b^6 - 154777594b^4 - 40002284b^2 + 19968)a^3 + (305024b^9 + 13606098b^7 + 96311784b^5 + 68838589b^3 - 427680b)a^2$$
$$+ (-36160b^{10} - 2249652b^8 - 22456593b^6 - 10369898b^4 - 6436728b^2)a + 1024b^{11} + 94508b^9 + 480930b^7 - 14579029b^5 + 6053992b^3)z$$
$$- 163840b^2a^{11} + (1097728b^3 + 1039968b)a^{10} + (-3244032b^4 - 7083264b^2 - 6656)a^9 + (5562368b^5 + 20538704b^3 + 3344344b)a^8$$
$$+ (-6121472b^6 - 33280784b^4 - 15368512b^2 - 19968)a^7 + (4512768b^7 + 33139654b^5 + 26698146b^3 + 3740184b)a^6$$
$$+ (-2253824b^8 - 20934116b^6 - 19978704b^4 - 1122271b^2 - 19968)a^5 + (751616b^9 + 8326564b^7 + 2481048b^5 - 24299032b^3 + 1547304b)a^4$$
$$+ (-159744b^{10} - 1987184b^8 + 5532308b^6 + 44404198b^4 + 8770617b^2 - 6656)a^3 + (19456b^{11} + 253046b^9 - 3318850b^7 - 30329218b^5 - 17972768b^3$$
$$+ 111496b)a^2 + (-1024b^{12} - 12588b^{10} + 641452b^8 + 7954951b^6 + 6417723b^4 + 1239752b^2)a - 27648b^9 - 335358b^7 + 1423206b^5 - 1213128b^3)z_2$$
$$+ 81(3z-2)^2z_1^{16} + 324z(3z-2)((8a-7b)z - 5a + 4b)z_1^{15}$$
$$- 324z^2(315z^4 - 975z^3 + (-259a^2 + 634ba - 301b^2 + 954)z^2 + (342a^2 - 836ba + 392b^2 - 344)z - 113a^2 + 276ba - 128b^2 + 32)z_1^{14}$$
$$- 144z^3((1512a - 2376b)z^5 + (-4311a + 13698b)z^4 + (-2016a^3 + 9216ba^2 + (-12528b^2 + 12795)a$$
$$+ 4752b^3 - 42240b)z^3 + (915a^3 - 7887ba^2 + (14409b^2 - 22461)a - 6174b^3 + 57525b)z^2 + (1336a^3 - 1076ba^2$$
$$+ (-3615b^2 + 16378)a + 2364b^3 - 33980b)z - 699a^3 + 1487ba^2 + (-276b^2 - 4074)a - 240b^3 + 7208b)z_1^{13}$$
$$- 144z^4(972z^7 - 40959z^6 + (1404a^2 + 14904ba - 23652b^2 + 189990)z^5 + (-6087a^2 - 37572ba + 60324b^2$$
$$- 353985)z^4 + (-14016a^4 + 63552ba^3 + (-93792b^2 + 44309)a^2 + (52416b^3 + 3898b)a - 9648b^4 - 83344b^2 + 329265)z^3$$
$$+ (6785a^4 - 14270ba^3 + (-24673b^2 - 91809)a^2 + (53268b^3 + 55016b)a - 20997b^4 + 88270b^2 - 169876)z^2 + (9752a^4$$

$$
\begin{aligned}
&- 66420ba^3 + (158994b^2 + 68867)a^2 + (-140504b^3 - 48238b)a + 40324b^4 - 55060b^2 + 51371)z - 5378a^4 + 31898ba^3 \\
&+ (-67513b^2 - 17234)a^2 + (54744b^3 + 12076b)a - 14788b^4 + 13304b^2 - 7866)z_1^{12} \\
&+ 144z^5((73440a - 127440b)z^7 + (-415872a + 1158336b)z^6 + (109152a^3 - 555552ba^2 + (902592b^2 \\
&+ 1308633)a - 500256b^3 - 4482318b)z^5 + (-364576a^3 + 1758960ba^2 + (-2733732b^2 - 2396748)a + 1619780b^3 \\
&+ 8506224b)z^4 + (40448a^5 - 160512ba^4 + (176640b^2 + 322388)a^3 + (1664b^3 - 1701336b)a^2 + (-91584b^4 + 2596252b^2 \\
&+ 2141634)a + 34368b^5 - 1855920b^3 - 8041892b)z^3 + (5848a^5 - 193596ba^4 + (777768b^2 + 74440)a^3 + (-1142536b^3 \\
&+ 174884b)a^2 + (721832b^4 - 371564b^2 - 647284)a - 166508b^5 + 783552b^3 + 3574812b)z^2 + (-58108a^5 + 438120ba^4 \\
&+ (-1158304b^2 - 206884)a^3 + (1351056b^3 + 507880b)a^2 + (-728956b^4 - 629032b^2 - 158091)a + 149912b^5 + 11840b^3 - 544178b)z \\
&+ 24040a^5 - 157520ba^4 + (371288b^2 + 66868)a^3 + (-389592b^3 - 185992b)a^2 + (190264b^4 + 235560b^2 + 91792)a - 35776b^5 - 60032b^3 - 27352b)z_1^{11} \\
&+ 16z^6(46656z^{10} - 307152z^9 + (259200a^2 - 850176ba + 881280b^2 - 3159648)z^8 + (-525744a^2 \\
&+ 11918880ba - 18502560b^2 + 21970278)z^7 + (525888a^4 - 3356928ba^3 + (8311680b^2 - 3591252)a^2 \\
&+ (-9522432b^3 - 48184056b)a + 4534848b^4 + 103695408b^2 - 45370854)z^6 + (657600a^4 + 8782080ba^3 + (-51324336b^2 + 12716109)a^2 \\
&+ (89500704b^3 + 143444484b)a - 53827824b^4 - 351260964b^2 + 17290656)z^5 + (460800a^6 - 4276224ba^5 \\
&+ (16164864b^2 - 2576324)a^4 + (-31684608b^3 - 32668784b)a^3 + (33440256b^4 + 179269896b^2 + 8061927)a^2 \\
&+ (-17501184b^5 - 296178872b^3 - 362989536b)a + 3525120b^6 + 171523300b^4 + 755917764b^2 + 76052016)z^4 + (-724992a^6 + 10157568ba^5 \\
&+ (-43814400b^2 - 3443340)a^4 + (88369920b^3 + 81336200b)a^3 + (-92446272b^4 - 306014160b^2 - 63448002)a^2 + (47547648b^5 \\
&+ 436110912b^3 + 530432736b)a - 9425088b^6 - 238451524b^4 - 916898412b^2 - 141334038)z^3 + (147456a^8 \\
&- 1769472ba^7 + (8847360b^2 + 2358932)a^6 + (-23887872b^3 - 22644920b)a^5 + (37822464b^4 + 79401980b^2 \\
&+ 12261016)a^4 + (-35831808b^5 - 137188080b^3 - 97595008b)a^3 + (19906560b^6 + 126559788b^4 + 265087312b^2 \\
&+ 79714226)a^2 + (-5971968b^7 - 59055768b^5 - 315786936b^3 - 397782248b)a + 746496b^8 + 10878660b^6 + 163298112b^4 \\
&+ 591868844b^2 + 111398838)z^2 + (-196608a^8 + 2359296ba^7 + (-11796480b^2 - 2811864)a^6 + (31850496b^3 \\
&+ 22644848b)a^5 + (-50429952b^4 - 70361920b^2 - 9859440)a^4 + (47775744b^5 + 109692192b^3 + 54612592b)a^3 \\
&+ (-26542080b^6 - 91375896b^4 - 113707952b^2 - 40784859)a^2 + (7962624b^7 + 38620080b^5 + 109143872b^3 + 142959020b)a - 995328b^8 \\
&- 6485184b^6 - 53195824b^4 - 186792496b^2 - 43445616)z + 65536a^8 - 786432ba^7 + (3932160b^2 + 957028)a^6 + (-10616832b^3 - 7271472b)a^5 \\
&+ (16809984b^4 + 21707552b^2 + 2519304)a^4 + (-15925248b^5 - 32672496b^3 - 11542056b)a^3 + (8847360b^6 \\
&+ 26052036b^4 + 19285864b^2 + 7634395)a^2 + (-2654208b^7 - 10428336b^5 - 14080560b^3 - 19322160b)a + 331776b^8 \\
&+ 1642752b^6 + 6344704b^4 + 22054304b^2 + 6859072)z_1^{10} \\
&+ 64z^7(233280bz^{10} + (-610416a - 828144b)z^9 + (101952a^3 + 730944ba^2 + (-3105216b^2 + 3176064)a \\
&+ 3357504b^3 - 14282676b)z^8 + (-2356272a^3 + 7155216ba^2 + (13182480b^2 - 11238273)a - 32033808b^3 \\
&+ 103743009b)z^7 + (421440a^5 - 1057920ba^4 + (-3426816b^2 + 10148964)a^3 + (16400256b^3 - 53843184b)a^2 \\
&+ (-22818624b^4 - 15903072b^2 + 34895097)a + 11710464b^5 + 125773044b^3 - 280683081b)z^6 + (-2933488a^5 + 22768864ba^4 \\
&+ (-51900640b^2 - 31875298)a^3 + (24858944b^3 + 191768661b)a^2 + (50186320b^4 - 46369809b^2 - 82052778)a - 52346464b^5 \\
&- 296658340b^3 + 370802490b)z^5 + (565248a^7 - 4349952ba^6 + (12284928b^2 + 8517596)a^5 \\
&+ (-13175808b^3 - 72271352b)a^4 + (-3746304b^4 + 166700172b^2 + 68422288)a^3 + (19952640b^5 - 85762708b^3 - 327201357b)a^2 \\
&+ (-14791680b^6 - 136448696b^4 - 25669434b^2 + 132059580)a + 3442176b^7 + 141858780b^5 + 633770620b^3 - 213128874b)z^4 + (-1839488a^7 \\
&+ 15761664ba^6 + (-50200512b^2 - 14773364)a^5 + (71147200b^3 + 107398888b)a^4 \\
&+ (-30816192b^4 - 203016260b^2 - 89789714)a^3 + (-28229760b^5 + 20031624b^3 + 280224650b)a^2 + (31976640b^6 + 282356440b^4 + 312344270b^2 \\
&- 138992089)a - 8373888b^7 - 218018296b^5 - 927537524b^3 - 30680875b)z^3 + (245760a^9 - 2850816ba^8 + (14008320b^2 \\
&+ 2999444)a^7 + (-38191104b^3 - 24558956b)a^6 + (63700992b^4 + 76746444b^2 + 15568920)a^5 \\
&+ (-67682304b^5 - 113656768b^3 - 91967080b)a^4 + (46116864b^6 + 70679036b^4 + 136351128b^2 + 69545294)a^3 + (-19574784b^7 + 6840532b^5 \\
&+ 52247188b^3 - 125006634b)a^2 + (4727808b^8 - 26193996b^6 - 271024808b^4 - 382220796b^2 + 90760189)a - 497664b^9 \\
&+ 7820304b^7 + 175038740b^5 + 738669344b^3 + 113687543b)z^2 + (-311296a^9 + 3571712ba^8 \\
&+ (-17301504b^2 - 2269960)a^7 + (46301184b^3 + 17165216b)a^6 + (-75423744b^4 - 50045980b^2 - 8644144)a^5 + (77856768b^5 \\
&+ 70433504b^3 + 43603080b)a^4 + (-51314688b^6 - 44521664b^4 - 55054844b^2 - 29482476)a^3 + (21012480b^7 \\
&+ 1123552b^5 - 31543744b^3 + 30289789b)a^2 + (-4893696b^8 + 11349660b^6 + 114203328b^4 + 173765627b^2 \\
&- 33138788)a + 497664b^9 - 3578016b^7 - 68065952b^5 - 286703624b^3 - 59539064b)z + 98304a^9 - 1114112ba^8 \\
&+ (5308416b^2 + 602644)a^7 + (-13893632b^3 - 4206324b)a^6 + (21970944b^4 + 11060864b^2 + 1886256)a^5 \\
&+ (-21823488b^5 - 13342384b^3 - 8635448b)a^4 + (13713408b^6 + 6022980b^4 + 10426340b^2 + 5270142)a^3 + (-5308416b^7 + 2174764b^5 + 4144416b^3 \\
&- 3970485b)a^2 + (1161216b^8 - 3044640b^6 - 17003728b^4 - 26658498b^2 + 5141206)a - 110592b^9 + 792960b^7 \\
&+ 10020800b^5 + 42275184b^3 + 10677016b)z_1^9 \\
&+ 64z^8(2099520b^2z^{10} + (-10987488ba - 1792368b^2 + 4503249)z^9 + (1835136ba^3 + (2011392b^2 \\
&+ 7180272)a^2 + (-19149696b^3 + 44202240b)a + 22353408b^4 - 117187452b^2 + 8740242)z^8 \\
&+ (-2900160a^4 - 23339808ba^3 + (101742912b^2 - 45927102)a^2 + (-26920224b^3 - 98617038b)a - 120043872b^4 + 834719784b^2 \\
&- 230464467)z^7 + (333376a^6 + 3899904ba^5 + (-23058048b^2 + 19123424)a^4 + (29979392b^3 + 69949208b)a^3
\end{aligned}
$$

$$+ (24809280b^4 - 559317984b^2 + 156045288)a^2 + (-80474880b^5 + 452734592b^3 + 172879080b)a + 49497856b^6$$
$$+ 286930004b^4 - 2513458512b^2 + 989975337)z^6 + (-6593488a^6 + 11206016ba^5 + (118631072b^2 - 59335526)a^4$$
$$+ (-457595072b^3 - 174542480b)a^3 + (582660176b^4 + 1823876269b^2 - 349931516)a^2$$
$$+ (-211366912b^5 - 2148076140b^3 - 225514630b)a - 71795488b^6 + 57107948b^4 + 4051558084b^2 - 2156996085)z^5 + (911360a^8 - 2756608ba^7 + (-14972928b^2$$
$$+ 21082212)a^6 + (94208000b^3 - 51708592b)a^5 + (-205130752b^4 - 325325944b^2 + 107455318)a^4 + (221140992b^5$$
$$+ 1429049640b^3 + 352303208b)a^3 + (-120357888b^6 - 2024806084b^4 - 3294636621b^2 + 519558114)a^2 + (29435904b^7$$
$$+ 1033058552b^5 + 3982750756b^3 + 227905596b)a - 2082816b^8 + 2184864b^6 - 534323948b^4 - 3715462292b^2$$
$$+ 2822402033)z^4 + (-4372224a^8 + 24708864ba^7 + (-20803968b^2 - 31614124)a^6 + (-143174656b^3 + 66508504b)a^5$$
$$+ (443123904b^4 + 501150280b^2 - 116111944)a^4 + (-535460352b^5 - 1977158496b^3 - 465578420b)a^3 + (302678720b^6$$
$$+ 2601831308b^4 + 3291304322b^2 - 494150362)a^2 + (-72138240b^7 - 1234787672b^5 - 3292417976b^3 - 217415402b)a$$
$$+ 4043904b^8 - 21086784b^6 - 24109376b^4 + 1867137656b^2 - 2320622481)z^3 + (606208a^{10} - 5963776ba^9$$
$$+ (23068672b^2 + 5605664)a^8 + (-41484288b^3 - 26500568b)a^7 + (21430272b^4 - 13982164b^2 + 25830844)a^6$$
$$+ (49102848b^5 + 315827552b^3 - 30951816b)a^5 + (-107053056b^6 - 802521920b^4 - 471944584b^2 + 72450052)a^4$$
$$+ (96657408b^7 + 932945576b^5 + 1532394624b^3 + 381631404b)a^3$$
$$+ (-47305728b^8 - 541803868b^6 - 17371571484b^4 - 1899354370b^2 + 287185664)a^2 + (12275712b^9 + 144776608b^7 + 647129448b^5 + 1202049464b^3 + 175447232b)a$$
$$- 1327104b^{10} - 12593428b^8 + 89851696b^6 + 695424980b^4 - 399909512b^2 + 1180696107)z^2 + (-819200a^{10}$$
$$+ 8257536ba^9 + (-33554432b^2 - 3103040)a^8 + (68157440b^3 + 9799728b)a^7 + (-62930944b^4 + 43850856b^2$$
$$- 11538788)a^6 + (-8552448b^5 - 285804736b^3 + 3501056b)a^5 + (83017728b^6 + 630164144b^4 + 236780992b^2$$
$$- 23905834)a^4 + (-89358336b^7 - 702136528b^5 - 6583786656b^3 - 177706364b)a^3 + (47167488b^8 + 410773880b^6$$
$$+ 645196468b^4 + 637407113b^2 - 92715148)a^2$$
$$+ (-12828672b^9 - 116532160b^7 - 168842760b^5 - 159525084b^3 - 84419634b)a + 1437696b^{10} + 11992496b^8 - 61773664b^6 - 474737500b^4 - 27121780b^2 - 341204408)z$$
$$+ 278528a^{10} - 2883584ba^9 + (12320768b^2 + 727136)a^8 + (-27820032b^3 - 2032536b)a^7 + (34512896b^4 - 10982356b^2$$
$$+ 2267200)a^6 + (-19611648b^5 + 65161280b^3 - 9440b)a^5 + (-3883008b^6 - 139113704b^4 - 45483736b^2 + 3223006)a^4$$
$$+ (13787136b^7 + 153453928b^5 + 118264856b^3 + 35308148b)a^3$$
$$+ (-9133056b^8 - 90474460b^6 - 107332080b^4 - 102161385b^2 + 12754998)a^2 + (2764800b^9 + 26357184b^7 + 21482208b^5 + 6269380b^3 + 16517964b)a - 331776b^{10}$$
$$- 2870608b^8 + 12180288b^6 + 93536948b^4 + 19419992b^2 + 42970473)z_1^8$$
$$+ 128z^9(5598720b^3z^{10} + (-43949952b^2a + 8429184b^3 + 36025992b)z^9 + (7340544b^2a^3 + (-5432832b^3$$
$$+ 57442176b)a^2 + (-31394304b^4 + 131424768b^2 - 50068251)a + 42467328b^5 - 287903376b^3 + 70986960b)z^8$$
$$+ (-23201280ba^4 + (-25849152b^2 + 16415410)a^3 + (270501120b^3 - 445429722b)a^2 + (-213711552b^4 + 50275260b^2$$
$$+ 388604038)a - 130439808b^5 + 1862839960b^3 - 1840517336b)z^7 + (2667008ba^6 + (2541312b^2 + 1689440)a^5$$
$$+ (-59308032b^3 + 143333024b)a^4 + (134096896b^4 - 104218368b^2 - 121154814)a^3 + (-80446464b^5 - 1206851416b^3$$
$$+ 1758430246b)a^2 + (-48205056b^6 + 1595930912b^4 - 1345699868b^2 - 1318397110)a + 53937152b^7 + 10094832b^5$$
$$- 5685762240b^3 + 7868754760b)z^6 + (-1999904a^7 - 28620032ba^6 + (152808192b^2 + 12620450)a^5$$
$$+ (-87169152b^3 - 569453708b)a^4 + (-592383072b^4 + 943511540b^2 + 368844008)a^3 + (11656394888b^5 + 2931486344b^3$$
$$- 4209828328b)a^2 + (-6879400096b^6 - 5763324844b^4 + 4449457672b^2 + 2553536558)a + 39907520b^7 + 17519214496b^5$$
$$+ 9392312632b^3 - 170763024440b)z^5 + (241664a^9 + 3293184ba^8 + (-28334080b^2 + 5579536)a^7 + (64374784b^3$$
$$+ 105099584b)a^6 + (-4280320b^4 - 632445408b^2 - 73215696)a^5 + (-203441152b^5 + 799343712b^3 + 13649882160b)a^4$$
$$+ (353429504b^6 + 11207750560b^4 - 27864658360b^2 - 603627756)a^3 + (-270472192b^7 - 34988816160b^5 - 35669904800b^3$$
$$+ 62848586680b)a^2 + (1000458240b^8 + 27139113120b^6 + 101279209280b^4 - 76636563880b^2 - 30881215160)a - 145704960b^9$$
$$- 5094938400b^7 - 46312511360b^5 - 87811798960b^3 + 222600784720b)z^4 + (-20602880a^9 - 31293440ba^8 + (932618240b^2$$
$$- 7981520)a^7 + (-3286630400b^3 - 2356711040b)a^6 + (4382018560b^4 + 12810467920b^2 + 1344010840)a^5$$
$$+ (-756277760b^5 - 20338047840b^3 - 18273362400b)a^4 + (-4118621440b^6 - 2651443840b^4 + 40031395000b^2 + 5743958340)a^3 + (4473875200b^7 + 38259656960b^5$$
$$+ 16591277680b^3 - 58339790180b)a^2 + (-1873251840b^8 - 34680292000b^6 - 86976928880b^4 + 76369368360b^2$$
$$+ 23877400820)a + 288320000b^9 + 7645982720b^7 + 47760646400b^5 + 44722207920b^3 - 182357210320b)z^3 + (3276800a^{11}$$
$$- 15728640ba^{10} + (-49479680b^2 + 10971520)a^9 + (564592640b^3 + 258120960b)a^8$$
$$+ (-1903493120b^4 - 2408513600b^2 - 82200000)a^7 + (3507322880b^5 + 7881947840b^3 + 2756959840b)a^6$$
$$+ (-4004904960b^6 - 12484691840b^4 - 13407705360b^2 - 1154779520)a^5 + (2955018240b^7 + 9417188960b^5 + 22995473280b^3 + 13315144000b)a^4$$
$$+ (-1413365760b^8 - 1648814400b^6 - 9116717280b^4 - 29328354440b^2 - 3172707660)a^3 + (424304640b^9 - 2074740160b^7 - 17223565600b^5 + 1802968160b^3 + 32604106460b)a^2$$
$$+ (-72990720b^{10} + 1279420480b^8 + 19536464160b^6 + 35313531840b^4 - 43919996120b^2 - 11526738500)a + 5529600b^{11} - 219159920b^9$$
$$- 4572404480b^7 - 21830493280b^5 - 9794298320b^3 + 92446887280b)z^2 + (-5242880a^{11} + 34078720ba^{10} + (-18350080b^2$$
$$+ 7088640)a^9 + (-443678720b^3 - 317300480b)a^8 + (1812889600b^4 + 2224201600b^2 + 72498960)a^7$$
$$+ (-3516330080b^5 - 6760716800b^3 - 1523143040b)a^6 + (4028006400b^6 + 10725335200b^4 + 6828653760b^2 + 473881940)a^5$$
$$+ (-2881781760b^7 - 8985483200b^5 - 11844338560b^3 - 4901721800b)a^4 + (1287659520b^8 + 3294401280b^6 + 7305345440b^4 + 10214056960b^2 + 936643640)a^3$$
$$+ (-343080960b^9 + 1806240000b^7 + 25880118400b^5 - 2903082000b^3 - 10012648040b)a^2 + (48291840b^{10} - 465782160b^8 - 4868493760b^6$$

$$
\begin{aligned}
&- 576738844b^4 + 1346855288b^2 + 317631130)a - 258048b^{11} + 9186864b^9 + 113868288b^7 + 3656369846^5 - 48471416b^3 \\
&- 2662052864b)z + 196608a^{11} - 1441792ba^{10} + (2392064b^2 - 449600)a^9 + (9142272b^3 + 10838400b)a^8 \\
&+ (-49659904b^4 - 69328608b^2 - 1811176)a^7 + (104235008b^5 + 207298336b^3 + 31984016b)a^6 \\
&+ (-123936768b^6 - 337001824b^4 - 136129152b^2 - 7403856)a^5 + (90169344b^7 + 305935168b^5 + 233319232b^3 + 70309464b)a^4 \\
&+ (-40181760b^8 - 144835040b^6 - 163862928b^4 - 126262240b^2 - 11266280)a^3 + (10354688b^9 + 25522400b^7 + 7528864b^5 + 29414240b^3 + 1293609686)a^2 \\
&+ (-1314816b^{10} + 3444016b^8 + 41548640b^6 + 25314272b^4 - 169648164b^2 - 38251081)a + 49152b^{11} - 1324096b^9 - 8487680b^7 \\
&+ 116752b^5 + 41349632b^3 + 334058760b)z_1^7 \\
&+ 256z^{10}(9797760b^4z^{10} + (-102549888b^3a + 34564320b^4 + 126090972b^2)z^9 + (17127936b^3a^3 \\
&+ (-25982208b^4 + 201047616b^2)a^2 + (-26707968b^5 + 215889408b^3 - 350477757b)a + 50367744b^6 - 469955520b^4 \\
&+ 251649432b^2 + 3328)z^8 + (-81204480b^2a^4 + (76716864b^3 + 114907870b)a^3 + (350743392b^4 - 1797545994b^2 \\
&+ 10354225)a^2 + (-408287232b^5 + 1174960236b^3 + 2708539626b)a - 80633088b^6 + 2495757628b^4 - 6432225460b^2 \\
&+ 9984)z^7 + (9334528b^2a^6 + (-20606208b^3 + 11826080b)a^5 + (-54801792b^4 + 472645024b^2 - 21330802)a^4 \\
&+ (211261952b^5 - 997917232b^3 - 729347336b)a^3 + (-206598912b^6 - 1040610376b^4 + 7511273958b^2 - 71674151)a^2 \\
&+ (34364160b^7 + 2474216512b^5 - 8001765100b^3 - 9148846394b)a + 30239104b^8 - 392203840b^6 - 6982965788b^4 \\
&+ 273874046686^2 - 159744)z^6 + (-13999328ba^7 + (-26793184b^2 + 12642289)a^6 + (367063424b^3 - 39059164b)a^5 \\
&+ (-676597312b^4 - 1793282492b^2 + 127971708)a^4 + (-18385888b^5 + 5021507580b^3 + 1886572142b)a^3 + (1042709312b^6 - 34678630b^4 \\
&- 178955576806^2 + 212632805)a^2 + (-811837184b^7 - 7022231640b^5 + 224089358566^3 + 17640444034b)a \\
&+ 111335520b^8 + 29462584086^6 + 103323837446^4 - 592274574526^2 + 562432)z^5 + (1691648ba^9 \\
&+ (-643072b^2 - 1158832)a^8 + (-51349504b^3 + 56686096b)a^7 + (204139008b^4 + 64530800b^2 - 67648165)a^6 \\
&+ (-320548864b^5 - 1440261728b^3 + 143137072b)a^5 + (180951040b^6 + 34830325686^4 + 3901492312b^2 - 318879742)a^4 + (87263232b^7 \\
&- 2260197424b^5 - 12607177420b^3 - 2530763224b)a^3 + (-170436096b^8 - 1789932480b^6 + 6371851022b^4 \\
&+ 257849460246^2 - 350432995)a^2 + (83136512b^9 + 2618426672b^7 + 9740114064b^5 - 356982825566^3 - 21235159540b)a \\
&- 13990912b^{10} - 655607236b^8 - 6811597000b^6 - 7510974208b^4 + 769515833246^2 - 998400)z^4 \\
&+ (-306176a^{10} - 9041920ba^9 + (44873216b^2 + 10323056)a^8 + (17005056b^3 - 145598968b)a^7 + (-460732480b^4 + 6301048b^2 \\
&+ 141178538)a^6 + (1088664320b^5 + 2463348616b^3 - 385569496b)a^5 \\
&+ (-1094880064b^6 - 6879447456b^4 - 4415509788b^2 + 422397960)a^4 + (407622656b^7 + 6531730064b^5 + 16336335308b^3 + 1821480658b)a^3 \\
&+ (101272320b^8 - 138882048b^6 - 132404032686^4 - 227471343106^2 + 346490739)a^2 \\
&+ (-1207618566b^9 - 290906985667^7 - 5627577200b^5 + 341220863966^3 + 163409765426)a + 25550720b^{10} + 957077460b^8 + 7225171272b^6 + 1281466204b^4 \\
&- 628359459166^2 + 1028352)z^3 + (65536a^{12} + 851968ba^{11} + (-10878976b^2 - 1161408)a^{10} + (41713664b^3 \\
&+ 28203456b)a^9 + (-65183744b^4 - 121810560b^2 - 21147248)a^8 + (-4358144b^5 + 68536544b^3 + 218040136b)a^7 \\
&+ (187457536b^6 + 689808632b^4 - 291931784b^2 - 144079498)a^6 + (-342269952b^7 - 1994571152b^5 - 1703463160b^3 \\
&+ 511020872b)a^5 + (328584192b^8 + 2478433528b^6 + 5966810136b^4 + 2402889776b^2 - 313670478)a^4 \\
&+ (-192073728b^9 - 1581648032b^7 - 6940068304b^5 - 10870780140b^3 - 618475888b)a^3 + (68831232b^{10} + 477756804b^8 + 2213876864b^6 + 113847403486^4 \\
&+ 119376868906^2 - 205528757)a^2 + (-139714566b^{11} - 34703000b^9 + 12237036966^7 + 896401606^5 - 192676651406^3 - 78496717666)a + 1234944b^{12} \\
&- 7973604b^{10} - 588965768b^8 - 3743592664b^6 + 1705445036b^4 + 3175311787646^2 - 625664)z^2 + (-131072a^{12} - 917504ba^{11} \\
&+ (162529286^2 + 2316928)a^{10} + (-75956224b^3 - 34198912b)a^9 + (175718400b^4 + 151073280b^2 + 15973968)a^8 \\
&+ (-219512832b^5 - 239874624b^3 - 152515880b)a^7 + (121716736b^6 - 95112912b^4 + 336271640b^2 + 71999605)a^6 + (40943616b^7 + 870224800b^5 \\
&+ 311249296b^3 - 313449020b)a^5 + (-120643584b^8 - 1302706624b^6 - 2127158736b^4 - 464304544b^2 + 123792316)a^4 \\
&+ (928071686^9 + 9395870086^7 + 2976813984b^5 + 335205304836^3 + 34424258b)a^3 \\
&+ (-37789696b^{10} - 344307656b^8 - 1435597696b^6 - 4319179854b^4 - 3389119344b^2 + 67718583)a^2 + (8282112b^{11} + 53632880b^9 \\
&- 111328960b^7 + 1017658760b^5 + 5899098664b^3 + 2151954934b)a - 774144b^{12} - 1071904b^{10} + 156752512b^8 + 870709488b^6 - 1095134840b^4 \\
&- 91143080326^2 + 209664)z + 65536a^{12} + 65536ba^{11} + (-4390912b^2 - 849344)a^{10} + (23429120b^3 + 11034688b)a^9 \\
&+ (-58826752b^4 - 47840320b^2 - 3987616)a^8 + (82313216b^5 + 84860192b^3 + 37348008b)a^7 \\
&+ (-63373312b^6 - 21112424b^4 - 99826072b^2 - 14092769)a^6 + (18235392b^7 - 154374304b^5 + 39137472b^3 + 72100312b)a^5 + (11360256b^8 + 262320736b^6 \\
&+ 240449136b^4 - 22777392b^2 - 20280962)a^4 + (-13762560b^9 - 196485152b^7 - 432890672b^5 - 328022744b^3 \\
&+ 21201520b)a^3 + (6123520b^{10} + 74992748b^8 + 263052688b^6 + 554427190b^4 + 394404088b^2 - 9560449)a^2 \\
&+ (-1363968b^{11} - 13081520b^9 - 24824096b^7 - 238178992b^5 - 750712036b^3 - 257759679b)a + 126976b^{12} + 606464b^{10} - 137411846^8 - 638026566^6 \\
&+ 199618784b^4 + 1140090588b^2 - 29952)z_1^6 + 512z^{11}(11757312b^5z^{10} + (-153824832b^4a + 61290432b^5 + 252181944b^3)z^9 + (25691904b^4a^3 \\
&+ (-48045312b^5 + 402095232b^3)a^2 + (-5080320b^6 + 210373632b^4 - 1051433271b^2)a + 38174976b^7 - 533256480b^5 \\
&+ 508623984b^3 + 19968b)z^8 + (-162408960b^3a^4 + (289884672b^4 + 344723610b^2)a^3 + (185937984b^5 - 4003169514b^3 \\
&+ 62125350b)a^2 + (-398799360b^6 + 3304689288b^4 + 8096397278b^2 - 36608)a - 245698566b^7 + 1989466332b^5 \\
&- 128484922006^3 + 59904b)z^7 + (186690566b^3a^6 + (-64813056b^4 + 354782406b^2)a^5 + (24526848b^5 + 896788384b^3 \\
&- 127984812b)a^4 + (149874688b^6 - 2435446736b^4 - 1886165342b^2 - 452640)a^3 + (-206739456b^7 + 4349800566^5 \\
&+ 17036839934b^3 - 429306026b)a^2 + (74012160b^8 + 1997988544b^6 - 19005009856b^4 - 272465493266^2 + 249600)a
\end{aligned}
$$

$$+ 5743616b^9 - 500184704b^7 - 3968322740b^5 + 54519256824b^3 - 958464b)z^6 + (-41997984b^2a^7 + (71026240b^3$$
$$+ 75853734b)a^6 + (338409280b^4 - 441801454b^2 + 1979872)a^5 + (-1006743424b^5 - 2537595776b^3 + 754999144b)a^4$$
$$+ (657609504b^6 + 9687267412b^4 + 3923535324b^2 + 2722496)a^3 + (399217024b^7 - 6150473700b^5 - 394921797 92b^3$$
$$+ 1271287006b)a^2 + (-520991872b^8 - 3927254100b^6 + 498180703 36b^4 + 523348402 30b^2 - 728832)a + 93188864b^9$$
$$+ 2451342944b^7 + 2710787696b^5 - 117554566936b^3 + 3374592b)z^5 + (5074944b^2a^9 + (-21979136b^3 - 6952992b)a^8$$
$$+ (-4533248b^4 + 215068912b^2 - 2917600)a^7 + (186956800b^5 - 544209152b^3 - 373738398b)a^6$$
$$+ (-436540416b^6 - 806043056b^4 + 1955111076b^2 - 9879392)a^5 + (447387648b^7 + 4240533920b^5 + 3140279808b^3 - 1850234548b)a^4$$
$$+ (-200962048b^8 - 47735636 80b^6 - 202955360 36b^4 - 34374551 28b^2 - 6829536)a^3 + (56514 56b^9 + 940736320b^7 + 194659010 36b^5 + 541026831 48b^3 - 2091138706b)a^2$$
$$+ (24980480b^{10} + 1164735480b^8 + 1965970520b^6 - 754640075 08b^4 - 627500062 68b^2 + 1181440)a - 5927936b^{11} - 400298880b^9$$
$$- 4979055632b^7 + 37350119 84b^5 + 1523032045 36b^3 - 5990400b)z^4 + (-1837056ba^{10} + (-13434880b^2 + 1889184)a^9$$
$$+ (126276608b^3 + 32635808b)a^8 + (-276604160b^4 - 601011432b^2 + 11637120)a^7 + (20234368b^5 + 1839929520b^3$$
$$+ 721786236b)a^6 + (754770944b^6 - 314908200b^4 - 398343139 6b^2 + 19738816)a^5 + (-1190850688b^7 - 6195581024b^5$$
$$+ 128890496b^3 + 2410423344b)a^4 + (778364544b^8 + 9429213472b^6 + 21765908892b^4 + 170962690b^2 + 9145984)a^3$$
$$+ (-195683968b^9 - 4015866176b^7 - 278823339 68b^5 - 446224443 94b^3 + 2063424690b)a^2 + (-11131776b^{10} - 765137464b^8 + 3819142792b^6 + 692333172 00b^4$$
$$+ 480889344 58b^2 - 1148160)a + 9463168b^{11} + 546224672b^9 + 4993689216b^7 - 8998021764b^5 - 1240212513 84b^3$$
$$+ 6170112b)z^3 + (393216ba^{12} + (-1114112b^2 - 462208)a^{11} + (-10878976b^3 + 2275712b)a^{10} + (75759616b^4$$
$$+ 56038720b^2 - 5654240)a^9 + (-210386944b^5 - 415216256b^3 - 42029536b)a^8 + (320364544b^6 + 1121941008b^4$$
$$+ 814711608b^2 - 17425728)a^7 + (-274898944b^7 - 1332093616b^5 - 2903997312b^3 - 681305916b)a^6 + (103385088b^8$$
$$+ 291946320b^6 + 3082136792b^4 + 4104628560b^2 - 19738816)a^5 + (32288768b^9 + 967147872b^7 + 2353083440b^5$$
$$- 3872504784b^3 - 1760082004b)a^4 + (-57282560b^{10} - 1081279848b^8 - 7165433680b^6 - 10822591700b^4$$
$$+ 1929710546b^2 - 6896096)a^3 + (28491776b^{11} + 466794632b^9 + 4356735216b^7 + 1967047836 0b^5 + 2142875519 0b^3$$
$$- 1221353854b)a^2 + (-6770688b^{12} - 77784248b^{10} - 1341409 84b^8 - 5868691952b^6 - 3777355246 4b^4 - 2300113942 6b^2$$
$$+ 668928)a + 651264b^{13} + 1281392b^{11} - 323467928b^9 - 2504766848b^7 + 7418314868b^5 + 624996586 00b^3$$
$$- 3753984b)z^2 + (-786432ba^{12} + (4194304b^2 + 924416)a^{11} + (4063232b^3 - 3662336b)a^{10}$$
$$+ (-87490560b^4 - 55558144b^2 + 5647584)a^9 + (309100544b^5 + 439774848b^3 + 13930336b)a^8$$
$$+ (-576356352b^6 - 1338621216b^4 - 469407896b^2 + 11610496)a^7 + (659259392b^7 + 2136388928b^5 + 1920977776b^3 + 312918078b)a^6$$
$$+ (-477837312b^8 - 1853532080b^6 - 2980103968b^4 - 2083033118b^2 + 9879392)a^5 + (211742720b^9 + 743164672b^7 + 1133692928b^5 + 3242809184b^3 + 682745320b)a^4$$
$$+ (-48279552b^{10} + 24108096b^8 + 1734190960b^6 + 1460079536b^4 - 1336248472b^2 + 2775744)a^3 + (524288b^{11}$$
$$- 127291104b^9 - 1695378560b^7 - 6305538148b^5 - 5355574108b^3 + 401512138b)a^2 + (2203648b^{12} + 36340840b^{10}$$
$$+ 238901744b^8 + 2869109324b^6 + 112114089 20b^4 + 6277280578b^2 - 216320)a - 339968b^{13} - 2383328b^{11}$$
$$+ 85292384b^9 + 565801760b^7 - 2855961912b^5 - 17890271424b^3 + 1257984b)z + 393216ba^{12}$$
$$+ (-3080192b^2 - 462208)a^{11} + (8126464b^3 + 3223680b)a^{10} + (-1703936b^4 + 3257280b^2 - 1882528)a^9$$
$$+ (-39075840b^5 - 81710848b^3 + 2429696b)a^8 + (104996864b^6 + 294244304b^4 + 82497016b^2 - 2904288)a^7$$
$$+ (-142630912b^7 - 523418768b^5 - 404101472b^3 - 55513734b)a^6 + (118259712b^8 + 526651072b^6 + 758563776b^4 + 413058076b^2 - 1979872)a^5$$
$$+ (-615342 08b^9 - 296365696b^7 - 583957344b^5 - 836319920b^3 - 109866444b)a^4 + (19054592b^{10} + 78578344b^8 + 11988656b^6$$
$$+ 324731464b^4 + 290936772b^2 - 465952)a^3 + (-2834432b^{11} - 796296b^9 + 191724352b^7 + 629397532b^5 + 502995136b^3 - 56550598b)a^2$$
$$+ (-12288b^{12} - 3489632b^{10} - 47275568b^8 - 452779272b^6 - 1381466796b^4 - 748324253b^2 + 29952)a + 40960b^{13} + 370048b^{11} - 8059968b^9 - 40279696b^7$$
$$+ 428935520b^5 + 2231656056b^3 - 179712b)z_1^5 + 1024z^{12}(9797760b^6z^{10} + (-153824832b^5a + 64284192b^6 + 315227430b^4)z^9 + (25691904b^5a^3$$
$$+ (-516741 12b^6 + 502619040b^4)a^2 + (129185 28b^7 + 119605248b^5 - 175238878 5b^3)a + 17998848b^8 - 426154392b^6$$
$$+ 641105100b^4 + 49920b^2)z^8 + (-203011200b^4a^4 + (433956096b^5 + 574539350b^3)a^3$$
$$+ (-72404928b^6 - 5427800790b^4 + 155313375b^2)a^2 + (-209923200b^7 + 4729824864b^5 + 134550333 30b^3 - 183040b)a - 2329776b^8$$
$$+ 809460848b^6 - 160446731 70b^4 + 149760b^2)z^7 + (23336320b^4a^6 + (-92816640b^5 + 59130400b^3)a^5 + (105911040b^6$$
$$+ 1072282720b^4 - 319962030b^2)a^4 + (16675328b^7 - 3195023712b^5 - 2731035160b^3 - 2263200b)a^3 + (-99245952b^8$$
$$+ 1884047056b^6 + 231115144 30b^4 - 107179063 3b^2 + 3328)a^2 + (49085184b^9 + 683426512b^7 - 2536866299 6b^5$$
$$- 451440494 10b^3 + 1248000b)a - 2452736b^{10} - 283843740b^8 + 638906768b^6 + 678933571 10b^4 - 2396160b^2)z^6$$
$$+ (-699966 40b^3a^7 + (216872000b^4 + 189634335b^2)a^6 + (107216 64b^5 - 118140406 0b^3 + 9899360b)a^5$$
$$+ (-657927808b^6 - 1485823224b^4 + 1861309796b^2 - 13312)a^4 + (672480800b^7 + 9954026740b^5 + 4206225106b^3 + 13672384b)a^3$$
$$+ (-22500336b^8 - 9021202126b^6 - 517048334 32b^4 + 316915460 3b^2 - 19968)a^2 + (-195968160b^9 - 32686856b^7 + 635877259 72b^5 + 864417794 34b^3$$
$$- 3644160b)a + 43260432b^{10} + 1108199120b^8 - 6499305960b^6 - 1460418323 50b^4 + 8436480b^2)z^5 + (8458240b^3a^9$$
$$+ (-48783360b^4 - 17382480b^2)a^8 + (91288576b^5 + 420336880b^3 - 14588000b)a^7 + (-11403776b^6 - 1505489768b^4 - 868550859b^2$$
$$+ 19968)a^6 + (-191045632b^7 + 1378727200b^5 + 5185211508b^3 - 49576672b)a^5 + (287649792b^8 + 1461673856b^6$$
$$- 3341484576b^4 - 4496826050b^2 + 66560)a^4$$
$$+ (-183847936b^9 - 3183023328b^7 - 1503383350 8b^5 - 243298964b^3 - 34440544b)a^3 + (50768384b^{10} + 1398318820b^8 + 2028064820 6b^6$$
$$+ 668680841 64b^4 - 520468196 5b^2 + 49920)a^2 + (-1957888b^{11} + 195595680b^9 - 3666409336b^7 - 9226438560 4b^5 - 1033077033 32b^3 + 5907200b)a - 1103872b^{12}$$

$$
\begin{aligned}
&- 141096080b^{10} - 19609509048b^{8} + 144061160008b^{6} + 18877687703 0b^{4} - 14976000b^{2})z^{4} + (-4592640b^{2}a^{10} \\
&+ (-3655680b^{3} + 9445920b)a^{9} + (147091200b^{4} + 21557488b^{2} - 13312)a^{8} + (-474333952b^{5} - 1015529752b^{3} \\
&+ 58365312b)a^{7} + (574316608b^{6} + 40723390 88b^{4} + 1548455286b^{2} - 79872)a^{6} \\
&+ (-956193 28b^{7} - 5553127240b^{5} - 9891100312b^{3} + 99392960b)a^{5} + (-436831296b^{8} + 720993256b^{6} + 13250730876b^{4} + 57728278 32b^{2} - 133120)a^{4} \\
&+ (437152768b^{9} + 4457278752b^{7} + 8579030716b^{5} - 6577789142b^{3} + 46302336b)a^{3} \\
&+ (-164156800b^{10} - 3089585884b^{8} - 231324033 88b^{6} - 50821360562b^{4} + 5127036349b^{2} - 66560)a^{2} + (19329280b^{11} + 190443272b^{9} \\
&+ 73778006 56b^{7} + 81222510648b^{5} + 789015793 18b^{3} - 5740800b)a + 1199808b^{12} + 176377856b^{10} + 1784695900b^{8} - 16446396584b^{6} - 153373730630b^{4} \\
&+ 15425280b^{2})z^{3} + (983040b^{2}a^{12} + (-6881280b^{3} - 2311040b)a^{11} + (14024704b^{4} + 24639808b^{2} + 3328)a^{10} \\
&+ (14614528b^{5} - 33609920b^{3} - 28331104b)a^{9} + (-121823232b^{6} - 285649024b^{4} + 67937296b^{2} + 39936)a^{8} \\
&+ (258891776b^{7} + 1245516560b^{5} + 994704616b^{3} - 87647808b)a^{7} \\
&+ (-299305984b^{8} - 2144926520b^{6} - 4975527424b^{4} - 1329765078b^{2} + 119808)a^{6} + (207056896b^{9} + 1809025440b^{7} + 8560505272b^{5} + 9486715544b^{3} - 99712448b)a^{5} \\
&+ (-82206720b^{10} - 602344932b^{8} - 5176274392b^{6} - 16649291400b^{4} - 4151194706b^{2} + 133120)a^{4} + (13549568b^{11} - 1314236 08b^{9} - 1280630320b^{7} \\
&+ 29405297 80b^{5} + 8031057952b^{3} - 35039584b)a^{3} + (2265088b^{12} + 155972876b^{10} + 2322984364b^{8} + 12790290852b^{6} + 21541946466b^{4} - 3029284667b^{2} \\
&+ 49920)a^{2} + (-1331200b^{13} - 36433104b^{11} - 376349008b^{9} - 6152164944b^{7} - 42566519660b^{5} - 37604385102b^{3} \\
&+ 3344640b)a + 163840b^{14} + 1694460b^{12} - 102377016b^{10} - 823624344b^{8} + 10490662880b^{6} + 77116902850b^{4} \\
&- 9384960b^{2})z^{2} + (-1966080b^{2}a^{12} + (16384000b^{3} + 4622080b)a^{11} + (-52297728b^{4} - 44745856b^{2} - 6656)a^{10} \\
&+ (66191360b^{5} + 125702528b^{3} + 28351072b)a^{9} + (35897344b^{6} + 29058560b^{4} - 131236784b^{2} - 39936)a^{8} \\
&+ (-247578624b^{7} - 860605088b^{5} - 266155432b^{3} + 58551680b)a^{7} + (393099264b^{8} + 19957706 08b^{6} + 24668216 00b^{4} + 540166107b^{2} - 79872)a^{6} \\
&+ (-343293952b^{9} - 22432023 68b^{7} - 52524835 36b^{5} - 44884720 44b^{3} + 50055904b)a^{5} + (1821163 52b^{10} + 13732362 88b^{8} + 46029019 68b^{6} \\
&+ 93291813 96b^{4} + 15844333 16b^{2} - 66560)a^{4} + (-57491456b^{11} - 43099553 6b^{9} - 11427969 92b^{7} - 5329947024b^{5} - 40222492 98b^{3} + 14151616b)a^{3} \\
&+ (9359360b^{12} + 47120936b^{10} - 491025156b^{8} - 2576252190b^{6} - 4263388320b^{4} + 993965305b^{2} - 19968)a^{2} \\
&+ (-360448b^{13} + 4697440b^{11} + 153657064b^{9} + 2259323992b^{7} + 12115171460b^{5} + 10224121838b^{3} - 1081600b)a \\
&- 61440b^{14} - 751600b^{12} + 29795216b^{10} + 173142444b^{8} - 3537022208b^{6} - 220242783 20b^{4} + 3144960b^{2})z \\
&+ 983040b^{2}a^{12} + (-9502720b^{3} - 2311040b)a^{11} + (39256064b^{4} + 24698688b^{2} + 3328)a^{10} \\
&+ (-89915392b^{5} - 1015172 48b^{3} - 9465888b)a^{9} + (122429440b^{6} + 200112448b^{4} + 59144448b^{2} + 13312)a^{8} \\
&+ (-948060 16b^{7} - 161824560b^{5} - 63539384b^{3} - 14681184b)a^{7} + (27296768b^{8} - 73563192b^{6} - 298843400b^{4} - 79939791b^{2} + 19968)a^{6} \\
&+ (19513344b^{9} + 2753722 88b^{7} + 953395200b^{5} + 829925620b^{3} - 10059104b)a^{5} \\
&+ (-23951360b^{10} - 2475380 88b^{8} - 1069097264b^{6} - 1972617872b^{4} - 250588158b^{2} + 13312)a^{4} + (10903552b^{11} + 106670888b^{9} + 473528912b^{7} \\
&+ 16256015 84b^{5} + 762550156b^{3} - 23830 08b)a^{3} + (-2410496b^{12} - 21420372b^{10} - 27117080b^{8} - 101030138b^{6} + 193219212b^{4} - 139712367b^{2} + 3328)a^{2} \\
&+ (200704b^{13} + 1292448b^{11} - 13945520b^{9} - 272321704b^{7} - 1421445516b^{5} - 1213987291b^{3} + 149760b)a + 4096b^{14} \\
&+ 46256b^{12} - 3819360b^{10} - 13276336b^{8} + 489650896b^{6} + 27410449 50b^{4} - 449280b^{2})z_{1}^{4} \\
&+ 2048bz^{13}(5598720b^{6}z^{10} + (-102549888b^{5}a + 42394752b^{6} + 252181944b^{4})z^{9} + (17127936b^{5}a^{3} \\
&+ (-34795008b^{6} + 402095232b^{4})a^{2} + (14390784b^{7} + 34352640b^{5} - 17523887 85b^{3})a + 4727808b^{8} - 236710512b^{6} \\
&+ 516079152b^{4} + 66560b^{2})z^{8} + (-162408960b^{4}a^{4} + (364859712b^{5} + 574539350b^{3})a^{3} \\
&+ (-169233408b^{6} - 46123053 42b^{4} + 207084500b^{2})a^{2} + (-47579904b^{7} + 3977452932b^{5} + 13425811730b^{3} - 366080b)a - 1174752b^{8} \\
&+ 10849784b^{6} - 12826183272b^{4} + 199680b^{2})z^{7} + (18669056b^{4}a^{6} + (-76613376b^{5} + 59130400b^{3})a^{5} + (107707392b^{6} \\
&+ 82840342 4b^{4} - 426616040b^{2})a^{4} + (-48478208b^{7} - 2524199552b^{5} - 24090154 50b^{3} - 4526400b)a^{3} + (-14462976b^{8} \\
&+ 19068772 72b^{6} + 194966150 58b^{4} - 1427585292b^{2} + 13312)a^{2} + (14923008b^{9} - 141524704b^{7} - 205415078 60b^{5} \\
&- 44943733410b^{3} + 2496000b)a - 1561600b^{10} - 65128688b^{8} + 2537795568b^{6} + 54161155832b^{4} - 3194880b^{2})z^{6} \\
&+ (-69996640b^{3}a^{7} + (253827712b^{4} + 252845780b^{2})a^{6} + (-227861504b^{5} - 1530500730b^{3} + 19798720b)a^{5} \\
&+ (-148220032b^{6} + 175105348b^{4} + 2454681904b^{2} - 53248)a^{4} + (298192928b^{7} + 5962638892b^{5} + 24155101 60b^{3} \\
&+ 27437952b)a^{3} + (-77341568b^{8} - 6520832568b^{6} - 420668884 88b^{4} + 421643773 2b^{2} - 79872)a^{2} + (-41718144b^{9} \\
&+ 13044830 82b^{7} + 49775254456b^{5} + 858538165 86b^{3} - 7288320b)a + 12038272b^{10} + 219755460b^{8} - 85210549 36b^{6} \\
&- 11629200444 0b^{4} + 11248640b^{2})z^{5} + (8458240b^{3}a^{9} + (-52428800b^{4} - 23176640b^{2})a^{8} + (125857792b^{5} + 469096560b^{3} \\
&- 29176000b)a^{7} + (-137916416b^{6} - 17871331 20b^{4} - 10897827 56b^{2} + 79872)a^{6} + (43886592b^{7} + 2559603744b^{5} \\
&+ 65911627 76b^{3} - 99432896b)a^{5} + (49280000b^{8} - 11365473 60b^{6} - 83662182 96b^{4} - 58630128 24b^{2} + 266240)a^{4} \\
&+ (-55410688b^{9} - 53786452 8b^{7} - 39570485 64b^{5} + 38935191 08b^{3} - 69333696b)a^{3} + (21177344b^{10} + 49511229 28b^{8} + 107604488 00b^{6} + 51298684964b^{4} \\
&- 69161604 44b^{2} + 199680)a^{2} + (-2880512b^{11} - 4565896b^{9} - 33953057 68b^{7} - 695852067 64b^{5} - 10234968 8388b^{3} \\
&+ 11814400b)a - 19456b^{12} - 32030072b^{10} - 341575392b^{8} + 142621607 92b^{6} + 15005889656 8b^{4} - 19968000b^{2})z^{4} \\
&+ (-6123520b^{2}a^{10} + (10997760b^{3} + 18891840b)a^{9} + (87745536b^{4} - 33667008b^{2} - 53248)a^{8} \\
&+ (-374579712b^{5} - 901546712b^{3} + 117010176b)a^{7} + (595031296b^{6} + 41589095 36b^{4} + 18003482 32b^{2} - 319488)a^{6} \\
&+ (-429226496b^{7} - 7010644232b^{5} - 120534365 56b^{3} + 199864192b)a^{5} + (78752768b^{8} + 48718253 60b^{6} + 203607790 88b^{4} + 74368142 40b^{2} - 532480)a^{4} \\
&+ (76871296b^{9} - 577496488b^{7} - 65146132 60b^{5} - 116572158 58b^{3} + 93483264b)a^{3} \\
&+ (-47898752b^{10} - 671398096b^{8} - 830929269 6b^{6} - 35542963822b^{4} + 6804019452b^{2} - 266240)a^{2} + (8577664b^{11} + 102583832b^{9} +
\end{aligned}
$$

$$41748764688b^7 + 588950721566b^5 + 779656006626b^3 - 114816006b)a - 160128b^{12} + 39566944b^{10} + 2910307288b^8 - 139497611606b^6 - 12170594981b^4$$
$$+ 205670406b^2)z^3 + (1310720b^2a^{12} + (-108134406b^3 - 46220806b)a^{11} + (36306944b^4 + 52573952b^2 + 13312)a^{10}$$
$$+ (-609484806b^5 - 1840968326b^3 - 567553926b)a^9 + (431554566b^6 + 1942752006b^4 + 2687068806b^2 + 159744)a^8 + (209920006b^7 + 2850294086b^5$$
$$+ 379321864b^3 - 1760943366b)a^7 + (-731750406b^8 - 9872446406b^6 - 3945187664b^4 - 1389947336b^2 + 479232)a^6$$
$$+ (706887686b^9 + 11050932006b^7 + 813419716006b^5 + 110287478086b^3 - 2009824006b)a^5$$
$$+ (-367001606b^{10} - 5890853046b^8 - 710739305606b^6 - 216432960006b^4 - 52799442166b^2 + 532480)a^4 + (105349126b^{11} + 1240999206b^9 + 234171568006b^7$$
$$+ 1335877486868b^5 + 115253150946b^3 - 709311366b)a^3 + (-13312006b^{12} + 108477286b^{10} + 907954646b^8 + 153122593606b^6 + 1265626885006b^4 - 40144681326b^2$$
$$+ 199680)a^2 + (-409606b^{13} - 73334246b^{11} - 764917046b^9 - 25010949046b^7 - 296005912846b^5 - 370559967186b^3$$
$$+ 66892806b)a + 204806b^{14} + 4751606b^{12} - 269908486b^{10} - 1461353046b^8 + 80418683446b^6 + 6108825943206b^4$$
$$- 125132806b^2)z^2 + (-26214406b^2a^{12} + (235929606b^3 + 92441606b)a^{11} + (-899153926b^4 - 960215046b^2 - 26624)a^{10}$$
$$+ (1874984966b^5 + 3794805766b^3 + 568752006b)a^9 + (-2272133126b^6 - 7207128326b^4 - 3440323206b^2 - 159744)a^8$$
$$+ (1472102406b^7 + 5996493446b^5 + 2243466166b^3 + 1178621446b)a^7 + (-181616646b^8 + 839358726b^6 + 11528401606b^4$$
$$+ 4737321326b^2 - 319488)a^6 + (-496107526b^9 - 6092589686b^7 - 37977970886b^5 - 4963977690b^3 + 1011102086b)a^5$$
$$+ (430366726b^{10} + 5261433766b^8 + 41224130566b^6 + 109599225246b^4 + 19877837286b^2 - 266240)a^4$$
$$+ (-169123846b^{11} - 2071352966b^9 - 18963027286b^7 - 87049299206b^5 - 52982942606b^3 + 287159046b)a^3 + (33587206b^{12} + 362904646b^{10} + 2732779686b^8$$
$$+ 14502917366b^6 - 14542534686b^4 + 13152512766b^2 - 79872)a^2 + (-2580486b^{13} - 15238806b^{11} - 32383526b^9 + 60295353866b^7 + 80355203926b^5$$
$$+ 100456907026b^3 - 21632006b)a - 4096b^{14} - 95406b^{12} + 109784326b^{10} + 479821246b^8 - 25243978006b^6 - 1741615628806b^4$$
$$+ 41932806b^2)z + 1310720b^2a^{12} + (-127795206b^3 - 46220806b)a^{11} + (540016646b^4 + 495710726b^2 + 13312)a^{10}$$
$$+ (-1297612806b^5 - 2171507846b^3 - 190116486b)a^9 + (1954611206b^6 + 5091470086b^4 + 1321824006b^2 + 53248)a^8$$
$$+ (-1915002886b^7 - 6957800006b^5 - 3013215286b^3 - 296019846b)a^7 + (1217699846b^8 + 5578843846b^6 + 1481527206b^4 - 471960526b^2 + 79872)a^6$$
$$+ (-477061126b^9 - 2404062566b^7 + 4196311046b^5 + 8688756566b^3 - 203578246b)a^5 + (95027206b^{10} + 328795846b^8 - 7111578246b^6$$
$$- 21522937846b^4 - 3097067926b^2 + 53248)a^4 + (409606b^{11} + 135382246b^9 + 42171632806b^7 + 19974002886b^5 + 9556418566b^3$$
$$- 48458886b)a^3 + (-3932166b^{12} - 56150246b^{10} - 968180646b^8 - 6146979686b^6 - 1772529846b^4 - 1845790926b^2 + 13312)a^2$$
$$+ (532486b^{13} + 5538726b^{11} + 87397926b^9 - 111956806b^7 - 8877967806b^5 - 11891123796b^3 + 2995206b)a - 20275206b^{10}$$
$$- 94824006b^8 + 3312564486b^6 + 21637208886b^4 - 5990406b^2)z_1^3$$
$$+ 4096b^2z^{14}(2099520b^6z^{10} + (-439499526b^5a + 173132646b^6 + 1260909726b^4)z^9 + (73405446b^5a^3$$
$$+ (-145048326b^6 + 2010476166b^4)a^2 + (70709766b^7 + 17556486b^5 - 10514332716b^3)a + 4250886b^8 - 873279366b^6$$
$$+ 2591046006b^4 + 499206b^2)z^8 + (-812044806b^4a^4 + (1799671686b^5 + 3447236106b^3)a^3$$
$$+ (-1044856806b^6 - 24066818226b^4 + 1553133756b^2)a^2 + (44326086b^7 + 19838008206b^5 + 804379839806b^3 - 3660806b)a - 14304966b^8$$
$$- 1375974906b^6 - 64099098766b^4 + 1497606b^2)z^7 + (93345286b^4a^6 + (-374638086b^5 + 354782406b^3)a^5 + (552727686b^6$$
$$+ 4042600646b^4 - 3199620306b^2)a^4 + (-347261446b^7 - 12046034086b^5 - 1306529864b^3 - 45264006b)a^3 + (64331526b^8$$
$$+ 9772265886b^6 + 100778156666b^4 - 10699600736b^2 + 19968)a^2 + (14760966b^9 - 2089667926b^7 - 100240321486b^5$$
$$- 26886040436b^3 + 24960006b)a - 2933126b^{10} + 56381606b^8 + 16495434106b^6 + 270293635806b^4 - 23961606b^2)z^6$$
$$+ (-419979846b^3a^7 + (15600828886b^4 + 1896343356b^2)a^6 + (-18578060866b^5 - 10701754606b^3 + 197987206b)a^5 + (419761926b^6$$
$$+ 6664018686b^4 + 18266027566b^2 - 79872)a^4 + (602156486b^7 + 21197269806b^5 + 6916751226b^3 + 275045126b)a^3$$
$$+ (-2876929606b^8 - 269204611906b^6 - 2106841003206b^4 + 315776356326b^2 - 119808)a^2 + (-38049606b^9 + 7887328206b^7 + 2369129379206b^5 + 512767826626b^3$$
$$- 72883206b)a + 19393446b^{10} - 177818286b^8 - 47305696686b^6 - 5796528766606b^4 + 843648026b^2)z^5 + (50749446b^3a^9$$
$$+ (-310927366b^4 - 1738248026b^2)a^8 + (776192006b^5 + 3028363366b^3 - 291760006b)a^7 + (-1006638086b^6 - 11217249446b^4 - 7807046196b^2$$
$$+ 119808)a^6 + (699965446b^7 + 17296973126b^5 + 4528744346b^3 - 996325766b)a^5$$
$$+ (-218009606b^8 - 12186224526b^6 - 6526057446b^4 - 4327151656b^2 + 399360)a^4 + (-13189126b^9 + 3150501446b^7 + 10663494526b^5 + 4050865636b^3 - 696531846b)a^3$$
$$+ (27453446b^{10} + 1341509606b^8 + 30693966516b^6 + 243747190006b^4 - 51752816776b^2 + 299520)a^2 + (-5785606b^{11}$$
$$+ 25263446b^9 - 13389449766b^7 - 32144994846b^5 - 610260666886b^3 + 118144006b)a + 209926b^{12} - 52570766b^{10}$$
$$+ 244535406b^8 + 72250660006b^6 + 747081140126b^4 - 149760006b^2)z^4 + (-45926406b^2a^{10} + (129413126b^3$$
$$+ 188918406b)a^9 + (270632966b^4 - 588337126b^2 - 79872)a^8 + (-1646458886b^5 - 45435261606b^3 + 1172098566b)a^7$$
$$+ (2915359366b^6 + 23233163926b^4 + 12103375266b^2 - 479232)a^6 + (-2556403206b^7 - 41102759766b^5 - 8040938346b^3$$
$$+ 2006229766b)a^5 + (1135150726b^8 + 34149723006b^6 + 140247164446b^4 + 54414202806b^2 - 798720)a^4$$
$$+ (-181649926b^9 - 12921646326b^7 - 79019860926b^5 - 90544243946b^3 + 940956166b)a^3 + (-32309126b^{10} + 1611392806b^8 - 51981717806b^6$$
$$- 153959525786b^4 + 50867260776b^2 - 399360)a^2 + (12679686b^{11} - 112645446b^9 + 11101349926b^7 + 263070330446b^5 + 464045642506b^3 - 114816006b)a$$
$$- 57024b^{12} + 78867086b^{10} - 47527966b^8 - 65853237026b^6 - 605215029726b^4 + 154252806b^2)z^3 + (9830406b^2a^{12}$$
$$+ (-81920006b^3 - 46220806b)a^{11} + (291635206b^4 + 5006124806b^2 + 19968)a^{10} + (-5786828806b^5 - 1902554246b^3 - 568219526b)a^9$$
$$+ (695296006b^6 + 3300537606b^4 + 29549009606b^2 + 239616)a^8$$
$$+ (-503767046b^7 - 2278362566b^5 - 1272907926b^3 - 1766534406b)a^7 + (188518406b^8 - 849259646b^6 - 16918414966b^4 - 8426389986b^2 + 718848)a^6$$
$$+ (2539526b^9 + 26107904806b^7 + 401873029606b^5 + 71186908086b^3 - 2020606726b)a^5$$
$$+ (-37365766b^{10} - 1850113166b^8 - 38891273766b^6 - 139382406566b^4 - 38279480506b^2 + 798720)a^4 + (16998406b^{11} + 580522406b^9$$

$$+ 17641053606^7 + 101917598526^5 + 830007699263^3 - 7151686461)a^3 + (-3297286^{12} - 62191326^{10} - 336411088^8 - 19917972626^6$$
$$+ 43674036466^4 - 29983035793^2 + 299520)a^2 + (204806^{13} - 4184086^{11} + 307482006^9 - 34192882467^7 - 1273298417265^5 - 220141481623^3$$
$$+ 66892806)a + 10246^{14} + 545726^{12} - 71414566^{10} - 208404048^8 + 35850961426^6 + 303421513486^4 - 93849606^2)z^2$$
$$+ (-19660806^2a^{12} + (1717043263 + 92441606)a^{11} + (-646184966^4 - 909666566^2 - 39936)a^{10} + (13762560065^5$$
$$+ 3565149443^3 + 569950086)a^9 + (-1828044806^6 - 7307719686^4 - 3451421606^2 - 239616)a^8 + (15644262467^7$$
$$+ 8466271365^5 + 6175967443^3 + 1183813126)a^7 + (-848732166^8 - 53701909666^6 + 5937357664^4 + 2289072276^2$$
$$- 479232)a^6 + (2632908869^9 + 1361048167^7 - 14604233125^5 - 3091509476^3 + 1017891206)a^5 + (-25600006^{10}$$
$$+ 365036806^8 + 18520327686^6 + 67173655526^4 + 14270002606^2 - 399360)a^4$$
$$+ (-11059206^{11} - 334379206^9 - 9938318246^7 - 56324029045^5 - 36726050263^3 + 289954566)a^3 + (4014086^{12} + 77203766^{10} + 2361573606^8$$
$$+ 17097285856^6 + 677224326^4 + 9813046336^2 - 119808)a^2 + (-409606^{13} - 5235686^{11} - 2646284869^7 - 682139407^5 + 33048597205^3 + 59560765783^1$$
$$- 21632006)a - 40966^{12} + 35940646^{10} + 198163206^8 - 107390645566^6 - 86402794246^4 + 31449606^2)z + 9830406^2a^{12}$$
$$+ (-89784323^3 - 46220806)a^{11} + (355205126^4 + 454980486^2 + 19968)a^{10} + (-802160646^5 - 1847379843^3 - 190648966)a^9$$
$$+ (11470028886^6 + 4077520006^4 + 1258715846^2 + 79872)a^8$$
$$+ (-1086545926^7 - 5403150406^5 - 2968116563^3 - 297617286)a^7 + (690647046^8 + 4450547246^6 + 2655852406^4 - 55354716^2 + 119808)a^6$$
$$+ (-2900377606^9 - 2260129766^7 + 4544121665^5 + 5197098883^3 - 205175686)a^5 + (76165126^{10} + 666298886^8 - 2564374326^6$$
$$- 12672413526^4 - 2199615666^2 + 79872)a^4 + (-10813446^{11} - 95213926^9 + 1813140086^7 + 11738484086^5$$
$$+ 6462179283^3 - 48991366)a^3 + (450566^{12} + 22650866^{10} - 519516086^8 - 43370075366^6 - 2176639286^4 - 13756231926^2$$
$$+ 19968)a^2 + (40966^{13} + 503526^{11} + 67792166^9 + 476831366^7 - 34365226865^5 - 70353334373^3 + 2995206)a$$
$$- 7280646^{10} - 55275846^8 + 1356068166^6 + 10721554206^4 - 4492806^2)z_1^2$$
$$+ 8192b^3z^{15}(z-1)(466560b^6z^9 + (-10987488b^5a + 4471200b^6 + 36025992b^4)z^8 + (1835136b^5a^3$$
$$+ (-3431808b^6 + 57442176b^4)a^2 + (17521926^7 - 121694406^5 - 3504777573^3)a - 725766^8 - 148057206^6$$
$$+ 1102080246^4 + 19968b^2)z^7 + (-232012806^4a^4 + (505310406^5 + 1149078706^3)a^3 + (-331680966^6 - 64904575864^4$$
$$+ 6212535026^2)a^2 + (59198406^7 + 5301136266^5 + 23288402693^3 - 183040)a - 5538246^8 - 672853826^6 - 17207407366^4$$
$$+ 798726^2)z^6 + (26670086^4a^6 + (-101018886^5 + 118260806^3)a^5 + (146158086^6 + 908239046^4 - 1279848126^2)a^4$$
$$+ (-98478086^7 - 27000079256^5 - 2924197566^3 - 2263200)a^3 + (28869126^8 + 2249597846^6 + 22855927806^4 - 36571622826^2 + 13312)a^2$$
$$+ (-2046726^9 - 612594886^7 - 21788004246^5 - 66197899653^3 + 1064960)a - 133126^{10} + 45933366^8 + 4091152806^6 + 59946106326^4 - 8785926^2)z^5$$
$$+ (-139993286^3a^7 + (523904646^4 + 758537346^2)a^6 + (-720642246^5 - 3763297543^3 + 98993606)a^5 + (416193926^6$$
$$+ 3947943766^4 + 5992487006^2 - 53248)a^4 + (-60937926^7 + 16318661616^5 - 2108513923^3 + 115090246)a^3$$
$$+ (-19641606^8 - 3912155986^6 - 37129965006^4 + 8964779146^2 - 66560)a^2 + (-344006^9 + 14354699867^7 + 41188203965^5 + 1043315048^3$$
$$- 25792006)a + 1470726^{10} - 105276166^8 - 88098091666^6 - 1054104240046^4 + 24960006^2)z^4 + (16916486^3a^9$$
$$+ (-97566726^4 - 69529926^2)a^8 + (234997766^5 + 914464486^3 - 145880006)a^7 + (-306432006^6 - 3104279686^4 - 2276076726^2$$
$$+ 79872)a^6 + (232949766^7 + 4722052726^5 + 12442935626^3 - 399768326)a^5$$
$$+ (-102195206^8 - 3666546406^6 - 19123240566^4 - 11154260406^2 + 212992)a^4 + (23009286^9 + 1440074646^7 + 9583981726^5 + 14652172806^3 - 234107526)a^3$$
$$+ (-1443846^{10} - 259981046^8 + 725091686^6 + 29714379046^4 - 11712364086^2 + 133120)a^2 + (-256006^{11} + 28333126^9 - 1299611026^7$$
$$- 425098144865^5 - 98448061433^3 + 33280006)a + 20486^{12} - 4833686^{10} + 91600246^8 + 10076284006^6 + 107581482646^4$$
$$- 34944006^2)z^3 + (-18370566^2a^{10} + (73031686^3 + 94459206)a^9 + (-57180166^4 - 386301446^2 - 53248)a^8$$
$$+ (-1638860865^5 - 376872406^3 + 440768326)a^7 + (422841606^6 + 3837759846^4 + 2239838766^2 - 239616)a^6$$
$$+ (-429405446^7 - 7265888246^5 - 15788487863^3 + 605543046)a^5 + (229826566^8 + 6410515846^6 + 27830413526^4 + 10305541686^2 - 319488)a^4$$
$$+ (-64481286^9 - 2878616166^7 - 19280255326^5 - 19298408423^3 + 238101126)a^3 + (7658246^{10} + 627237366^8 + 4386057406^6 - 9629516946^4 + 8601237706^2$$
$$- 133120)a^2 + (-14086^{11} - 69189766^9 + 182983186^7 + 24395596746^5 + 55608440313^3 - 24128006)a - 20486^{12}$$
$$+ 7366806^{10} - 6566406^8 - 6499447426^6 - 64862819526^4 + 26757126^2)z^2 + (3932166^2a^{12}$$
$$+ (-30801926^3 - 23110406)a^{11} + (104857606^4 + 207758086^2 + 13312)a^{10} + (-204472326^5 - 740097926^3 - 189850246)a^9$$
$$+ (252559366^6 + 1383463686^4 + 1012427846^2 + 106496)a^8$$
$$+ (-205414406^7 - 1475071286^5 - 1590852806^3 - 444096326)a^7 + (109977606^8 + 877717846^6 - 221615846^4 - 684598326^2 + 239616)a^6$$
$$+ (-36966406^9 - 226315926^7 + 3280648006^5 + 8707991663^3 - 407755526)a^5 + (6594566^{10} - 33748806^8 - 3854877446^6 - 17229735766^4$$
$$- 47190095626^2 + 212992)a^4 + (-122886^{11} + 37198806^9 + 2005101926^7 + 13619416606^5 + 10800869723^3$$
$$- 121080646)a^3 + (-163846^{12} - 8353046^{10} - 495128326^8 - 4315964406^6 - 722089086^4 - 33662093226^2 + 66560)a^2$$
$$+ (20486^{13} + 558966^{11} + 58826566^9 + 376038306^7 - 7150502406^5 - 17406190633^3 + 9318406)a - 5160966^{10}$$
$$- 31916166^8 + 2227352406^6 + 21540158646^4 - 10782726^2)z - 3932166^2a^{12} + (32112646^3 + 23110406)a^{11}$$
$$+ (-114032646^4 - 198631686^2 - 13312)a^{10} + (232980486^5 + 710236806^3 + 95457606)a^9 + (-304332806^6 - 1399733766^4 - 556995846^2 - 53248)a^8$$
$$+ (266280966^7 + 1683595446^5 + 1194285686^3 + 149208006)a^7$$
$$+ (-158392326^8 - 1283585206^6 - 1063936646^4 - 37701066^2 - 79872)a^6 + (63365126^9 + 619498886^7 + 86184006^5 - 1717402686^3 + 102987206)a^5$$
$$+ (-16343046^{10} - 181702086^8 + 547807206^6 + 38983928046^4 + 855089406^2 - 53248)a^4 + (2457606^{11} + 29116886^9 - 406886486^7$$
$$- 3378663006^5 - 2271001323^3 + 24628806)a^3 + (-163846^{12} - 1905686^{10} + 1185945686^8 + 1233372506^6 + 827300006^4$$

$$
\begin{aligned}
&+ 54846534b^2 - 13312)a^2 + (-1557504b^9 - 15900588b^7 + 79495344b^5 + 232858143b^3 - 149760b)a + 129024b^{10} \\
&+ 1248912b^8 - 31399920b^6 - 304943688b^4 + 179712b^2)z_1 \\
&+ 16384b^4z^{16}(z-1)^2(b^2z^4 + (-11ba + 7b^2)z^3 + (2ba^3 + (-4b^2+1)a^2 + (2b^3+31b)a - 26b^2)z^2 + (-2a^4 \\
&+ 2ba^3 + (2b^2-2)a^2 + (-2b^3-29b)a + 27b^2)z + a^6 - 4ba^5 + (6b^2+2)a^4 + (-4b^3-4b)a^3 + (b^4+2b^2+1)a^2 + 9ba \\
&- 9b^2)(46656b^4z^4 + (-707616b^3a + 167184b^4 + 4503249b^2)z^3 + (110592b^3a^3 + (-165888b^4 - 650160b^2)a^2 + (82944b^5 \\
&+ 2773008b^3 - 532512b)a - 13824b^6 - 944028b^4 - 13243491b^2 + 3328)z^2 + (-175104b^2a^4 + (129024b^3 + 964768b)a^3 \\
&+ (69120b^4 - 146832b^2 - 6656)a^2 + (-78336b^5 - 2699592b^3 + 1071680b)a + 16704b^6 + 1079284b^4 + 12975571b^2 \\
&- 6656)z + 65536b^2a^6 + (-196608b^3 - 462208b)a^5 + (245760b^4 + 1330624b^2 + 3328)a^4 \\
&+ (-163840b^5 - 1395136b^3 - 971424b)a^3 + (61440b^6 + 674528b^4 + 801984b^2 + 6656)a^2 + (-12288b^7 - 149048b^5 + 632536b^3 - 539168b)a + 1024b^8 \\
&+ 11564b^6 - 348888b^4 - 4235329b^2 + 3328), \\
&8z^3y^4z_2 - z_1^4 - 2z(3y+4b)z_1^3 - 4z^2(y^4 - y^2 + 9by + 6b^2)z_1^2 - 8z^3((2a-2b)y^4 - 2by^2 + 9b^2y + 4b^3)z_1 \\
&+ 16z^4((z-1)y^6 + (-2ba + b^2)y^4 + b^2y^2 - 3b^3y - b^4), \\
&z_1 + 2z(yx + b),
\end{aligned}
$$

$$
z_2 - 2z(x^4 - 3x^3 + (y^2-1)x^2 + (-2a+4b)yx + (-z+1)y^2 + 2b^2),
$$

$$
\begin{aligned}
&z_3 - 2z((3y + 6a - 6b)x^4 + ((6z-4)y - 15a + 18b)x^3 + ((6a-6b)y^2 + (-15z+15)y - 4a + 6b)x^2 + ((6z-4)y^3 \\
&+ (-4z - 4a^2 + 12ba - 12b^2 + 4)y)x + ((-4a+8b)z + 4a - 6b)y^2 - 4b^3)
\end{aligned}
$$

Chen system

$$\begin{cases} x' &= -ax + ay, \\ y' &= (-z - a + b)x + by, \\ z' &= yx - cz. \end{cases} \tag{8}$$

$x,\ y,\ z$:

$$xx_3 - x_1x_2 + (a - b + c)xx_2 - (a - b)x_1^2 + x(x^2 + ca - cb)x_1 + ax^2(x^2 + ca - 2cb),$$
$$x_2 + (a - b)x_1 + a(z + a - 2b)x,$$
$$x_1 + a(x - y),$$

$$x_2 + a((z - b)x + (a - b)y),$$
$$x_3 + a(yx^2 + ((-2a + b - c)z - a^2 + 3ba - b^2)x + (az - b^2)y)$$
$$- --$$

$$y^3y_3^3 - 3y^2y_1y_2y_3^2 + (7a - 3b + 4c)y^3y_2y_3^2 - 3(a - b + c)y^2y_1^2y_3^2$$
$$+ y((4a^2 + (-4b + 5c)a - cb + c^2)y^2 + c^2a^2 - 2c^2ba + c^2b^2)y_1y_3^2$$
$$- y^2(((4b - 3c)a^2 + 8cba + c^2b)y^2 + c^2a^3 - 2c^2ba^2 + c^2b^2a)y_3^2 + 3yy_1^2y_2^2y_3 - 2(7a - 3b + 4c)y^2y_1y_2^2y_3$$
$$+ (3a - b + c)(5a - 3b + 5c)y^3y_2^2y_3 + 6(a - b + c)yy_1^3y_2y_3$$
$$- ((22a^2 + (-28b + 32c)a + 6b^2 - 16cb + 10c^2)y^2 + c^2a^2 - 2c^2ba + c^2b^2)y_1^2y_2y_3$$
$$+ y((16a^3 + (-16b + 22c)a^2 + (8b^2 - 6cb + 20c^2)a + 2cb^2 - 2c^2b + 2c^3)y^2 + 4c^2a^3 + (-10c^2b + 3c^3)a^2$$
$$+ (8c^2b^2 - 6c^3b)a - 2c^2b^3 + 3c^3b^2)y_1y_2y_3$$
$$+ y^2(9a^2y^4 + ((-16b + 22c)a^3 + (8b^2 - 62cb + 7c^2)a^2 + (16cb^2 - 27c^2b)a + 2c^2b^2 - 2c^3b)y^2 - 3c^2a^4 + (8c^2b$$
$$- 3c^3)a^3 + (-7c^2b^2 + 6c^3b)a^2 + (2c^2b^3 - 3c^3b^2)a)y_2y_3$$
$$+ 3(a - b + c)^2yy_1^4y_3 - (a - b + c)((8a^2 + (-8b + 10c)a - 2cb + 2c^2)y^2 + c^2a^2 - 2c^2ba + c^2b^2)y_1^3y_3$$
$$+ y((4a^4 - 6ca^3 + (-4b^2 + 32cb + 3c^2)a^2 + (-18cb^2 + 13c^2b + 4c^3)a - 2c^2b^2 + 2c^3b)y^2 + 2c^2a^4 + (-7c^2b$$
$$+ 3c^3)a^3 + (8c^2b^2 - 8c^3b + c^4)a^2 + (-3c^2b^3 + 7c^3b^2 - 2c^4b)a - 2c^3b^3 + c^4b^2)y_1^2y_3$$
$$+ y^2((27a^3 - 9ba^2)y^4 + ((-8b + 18c)a^4 + (8b^2 - 46cb + 18c^2)a^3 + (20cb^2 - 40c^2b)a^2 + (6c^2b^2 - 8c^3b)a)y^2$$
$$- c^2a^5 + (3c^2b + 2c^3)a^4 + (-3c^2b^2 - 8c^3b - c^4)a^3 + (c^2b^3 + 10c^3b^2 + c^4b)a^2 + (-4c^3b^3 + c^4b^2)a - c^4b^3)y_1y_3$$
$$- ay^3(27ba^2y^4 + ((-4b^2 + 18cb)a^3 + (-30cb^2 + 18c^2b)a^2 - 30c^2b^2a - 4c^3b^2)y^2 + (-c^2b + 4c^3)a^4$$
$$+ (2c^2b^2 - 14c^3b)a^3 + (-c^2b^3 + 16c^3b^2 - c^4b)a^2 + (-6c^3b^3 + 2c^4b^2)a - c^4b^3)y_3$$
$$- y_1^3y_2^3 + (7a - 3b + 4c)yy_1^2y_2^3 - (3a - b + c)(5a - 3b + 5c)y^2y_1y_2^3 + (a - b + 2c)(3a - b + c)^2y^3y_2^3$$
$$- 3(a - b + c)y_1^4y_2^2 + 3(a - b + c)(6a - 2b + 3c)yy_1^3y_2^2$$
$$- ((31a^3 + (-49b + 60c)a^2 + (25b^2 - 56cb + 45c^2)a - 3b^3 + 13cb^2 - 16c^2b + 7c^3)y^2 + 2c^2a^3 + (-5c^2b + c^3)a^2$$
$$+ (4c^2b^2 - 2c^3b)a - c^2b^3 + c^3b^2)y_1^2y_2^2$$
$$- y(9a^2y^4 + (-12a^4 + (12b - 21c)a^3 + (-12b^2 - 3cb - 32c^2)a^2 + (4b^3 - cb^2 - 5c^2b - 15c^3)a + cb^3 - c^2b^2 + c^3b$$
$$- c^4)y^2 - 4c^2a^4 + (12c^2b - 6c^3)a^3 + (-13c^2b^2 + 15c^3b - 2c^4)a^2 + (6c^2b^3 - 12c^3b^2 + 4c^4b)a - c^2b^4 + 3c^3b^3 - 2c^4b^2)y_1y_2^2$$
$$+ y^2((9a^3 + (-9b + 18c)a^2)y^4 + ((-12b + 27c)a^4 + (16b^2 - 98cb + 31c^2)a^3 + (-4b^3 + 59cb^2 - 89c^2b + 4c^3)a^2$$
$$+ (-8cb^3 + 27c^2b^2 - 19c^3b)a - c^2b^3 + 2c^3b^2 - c^4b)y^2 - 2c^2a^5 + (7c^2b - 5c^3)a^4 + (-9c^2b^2 + 13c^3b - 2c^4)a^3 + (5c^2b^3$$
$$- 11c^3b^2 + 4c^4b)a^2 + (-c^2b^4 + 3c^3b^3 - 2c^4b^2)a)y_2^2$$
$$- 3(a - b + c)^2y_1^5y_2 + 3(a - b + c)^2(5a - b + 2c)yy_1^4y_2$$
$$- ((20a^4 + (-40b + 38c)a^3 + (28b^2 - 42cb + 51c^2)a^2 + (-8b^3 + 14cb^2 - 33c^2b + 26c^3)a - 2cb^3 + 4c^2b^2 - 4c^3b$$
$$+ 2c^4)y^2 + 3c^2a^4 + (-11c^2b + 4c^3)a^3 + (14c^2b^2 - 11c^3b + c^4)a^2 + (-7c^2b^3 + 10c^3b^2 - 2c^4b)a + c^2b^4 - 3c^3b^3 + c^4b^2)y_1^3y_2$$
$$- y((36a^3 + (-18b + 9c)a^2)y^4 + (-4a^5 + (-12b + 28c)a^4 + (20b^2 - 120cb + 28c^2)a^3 + (-4b^3 + 94cb^2$$
$$- 126c^2b - 8c^3)a^2 + (-18cb^3 + 60c^2b^2 - 38c^3b - 4c^4)a - 2c^2b^3 + 4c^3b^2 - 2c^4b)y^2 - 4c^2a^5 + (15c^2b - 7c^3)a^4$$
$$+ (-21c^2b^2 + 23c^3b - 6c^4)a^3 + (13c^2b^3 - 27c^3b^2 + 16c^4b - c^5)a^2 + (-3c^2b^4 + 13c^3b^3 - 14c^4b^2 + 2c^5b)a - 2c^3b^4 + 4c^4b^3 - c^5b^2)y_1^2y_2$$
$$+ y^2((39a^4 + (-9b + 51c)a^3 + (9b^2 - 27cb + 12c^2)a^2)y^4 + ((-8b + 30c)a^5 + (12b^2 - 102cb + 66c^2)a^4 + (-8b^3$$
$$+ 80cb^2 - 154c^2b + 30c^3)a^3 + (-20cb^3 + 50c^2b^2 - 74c^3b)a^2 + (-6c^2b^3 - 8c^4b)a)y^2 - c^2a^6 + (3c^2b + 3c^3)a^5$$
$$+ (-4c^2b^2 - 15c^3b + c^4)a^4 + (3c^2b^3 + 25c^3b^2 - 9c^4b - c^5)a^3 + (-c^2b^4 - 17c^3b^3 + 16c^4b^2 + c^5b)a^2 + (4c^3b^4 - 9c^4b^3 + c^5b^2)a + c^4b^4 - c^5b^3)y_1y_2$$
$$- ay^3(((39b - 18c)a^3 + (-27b^2 + 69cb)a^2 + 12c^2ba)y^4 + ((-4b^2 + 30cb - 16c^2)a^4 + (4b^3 - 76cb^2 + 110c^2b$$
$$+ 2c^3)a^3 + (30cb^3 - 160c^2b^2 + 26c^3b)a^2 + (30c^2b^3 - 56c^3b^2)a + 4c^3b^3 - 4c^4b^2)y^2 + (-c^2b + 6c^3)a^5 + (3c^2b^2$$
$$- 27c^3b + 6c^4)a^4 + (-3c^2b^3 + 42c^3b^2 - 23c^4b)a^3 + (c^2b^4 - 27c^3b^3 + 29c^4b^2 - c^5b)a^2 + (6c^3b^4 - 13c^4b^3 + 2c^5b^2)a + c^4b^4 - c^5b^3)y_2$$
$$- (a - b + c)^3y_1^6 + (a - b + c)^3(4a + c)yy_1^5$$
$$- ((4a^5 + (-8b + c)a^4 + (4b^2 + 16cb + 3c^2)a^3 + (-27cb^2 + 15c^2b + 10c^3)a^2 + (10cb^3 - 15c^2b^2 + c^3b + 4c^4)a$$
$$+ c^2b^3 - 2c^3b^2 + c^4b)y^2 + c^2a^5 + (-5c^2b + 3c^3)a^4 + (9c^2b^2 - 11c^3b + c^4)a^3 + (-7c^2b^3 + 14c^3b^2 - 3c^4b)a^2$$
$$+ (2c^2b^4 - 7c^3b^3 + 3c^4b^2)a + c^3b^4 - c^4b^3)y_1^4$$

$$
\begin{aligned}
&- y((27a^4+(-36b+27c)a^3+(9b^2-9cb)a^2)y^4+((-8b+18c)a^5+(16b^2-68cb+27c^2)a^4+(-8b^3+66cb^2\\
&-88c^2b+18c^3)a^3+(-16cb^3+65c^2b^2-58c^3b)a^2+(-12c^2b^3+24c^3b^2-12c^4b)a)y^2-c^2a^6+4c^2ba^5\\
&+(-6c^2b^2-c^3b-3c^4)a^4+(4c^2b^3+3c^3b^2+10c^4b-c^5)a^3+(-c^2b^4-3c^3b^3-12c^4b^2+3c^5b)a^2+(c^3b^4+6c^4b^3-3c^5b^2)a-c^4b^4+c^5b^3)y_1^3\\
&+y^2((4a^5+(15b+12c)a^4+(-27b^2+30cb+12c^2)a^3+(9cb^2-12c^2b+4c^3)a^2)y^4+(4ca^6+(-4b^2-2cb\\
&+12c^2)a^5+(4b^3-20cb^2-9c^2b+12c^3)a^4+(14cb^3-42c^2b^2+4c^4)a^3+(27c^2b^3-50c^3b^2-8c^4b)a^2+(14c^3b^3\\
&-12c^4b^2)a)y^2+(-c^2b+4c^3)a^6+(3c^2b^2-19c^3b+4c^4)a^5+(-3c^2b^3+33c^3b^2-21c^4b)a^4+(c^2b^4-25c^3b^3+39c^4b^2\\
&-2c^5b)a^3+(7c^3b^4-31c^4b^3+5c^5b^2)a^2+(9c^4b^4-4c^5b^3)a+c^5b^4)y_1^2\\
&+ay^3(27a^3y^6+((-8b+45c)a^4+(12b^2-114cb+18c^2)a^3+(15cb^2-42c^2b)a^2+(12c^2b^2-8c^3b)a)y^4\\
&+((-8cb+17c^2)a^5+(28cb^2-92c^2b+16c^3)a^4+(-20cb^3+139c^2b^2-72c^3b-c^4)a^3+(-52c^2b^3+72c^3b^2\\
&-6c^4b)a^2+(8c^3b^3+15c^4b^2)a+4c^4b^3)y^2-c^3a^6+(6c^3b-2c^4)a^5+(-12c^3b^2+6c^4b-c^5)a^4+(10c^3b^3-4c^4b^2\\
&+4c^5b)a^3+(-3c^3b^4-2c^4b^3-4c^5b^2)a^2+2c^4b^4a+c^5b^4)y_1\\
&-a^2y^4(y^2+ca-2cb)(27ba^2y^4+((-4b^2+18cb)a^3+(-30cb^2+18c^2b)a^2-30c^2b^2a-4c^3b^2)y^2+(-c^2b\\
&+4c^3)a^4+(2c^2b^2-14c^3b)a^3+(-c^2b^3+16c^3b^2-c^4b)a^2+(-6c^3b^3+2c^4b^2)a-c^4b^3),\\
&(z+a-b)^2y_2+yy_1^2-(2by^2+(-a+b-c)z^2+(-2a^2+(4b-c)a-2b^2+cb)z-a^3+3ba^2-3b^2a+b^3)y_1\\
&+y(b^2y^2+az^3+(3a^2-4ba-cb)z^2+(3a^3-8ba^2+(5b^2-cb)a+cb^2)z+a^4-4ba^3+5b^2a^2-2b^3a),\\
&y_1+((z+a-b)x-by),
\end{aligned}
$$

$$
\begin{aligned}
&y_2+(yx^2+((-a+b-c)z-a^2+2ba-b^2)x+(az+a^2-ba-b^2)y),\\
&y_3-((z+a-b)x^3+(3a-2b+c)yx^2+(-3ay^2+az^2+(a^2+(-b-2c)a-b^2+cb-c^2)z-b^2a+b^3)x+((a^2+(-2b\\
&+2c)a)z+a^3-3ba^2+2b^2a+b^3)y)\\
&--
\end{aligned}
$$

$$
\begin{aligned}
&(z+a-b)z_3^2-z_1z_2z_3+2(2a-2b+c)(z+a-b)z_2z_3-(a-b+c)z_1^2z_3\\
&+(8az^2+(18a^2+(-20b+3c)a+2b^2-3cb)z+10a^3+(-22b+4c)a^2+(14b^2-8cb)a-2b^3+4cb^2)z_1z_3\\
&+2cz(z+a-b)(4az+5a^2-6ba+b^2)z_3-(a-3b+c)z_1z_2^2+(a-3b+c)(3a-b+c)(z+a-b)z_2^2\\
&-(4az+5a^2+(-10b+3c)a+5b^2-7cb+c^2)z_1^2z_2\\
&+((16a^2+(-16b+4c)a)z^2+(34a^3+(-78b+19c)a^2+(46b^2-30cb+3c^2)a-2b^3+3cb^2-3c^2b)z+18a^4\\
&+(-64b+16c)a^3+(76b^2-48cb+4c^2)a^2+(-32b^3+40cb^2-8c^2b)a+2b^4-8cb^3+4c^2b^2)z_1z_2\\
&+2cz(z+a-b)((8a^2+(-8b+4c)a)z+9a^3+(-23b+5c)a^2+(15b^2-6cb)a-b^3+cb^2)z_2-az_1^4\\
&+((8b-6c)az+(10b-5c)a^2+(-12b^2+10cb-c^2)a+2b^3-5cb^2+3c^2b)z_1^3\\
&+(16a^2z^3+(52a^3+(-72b+16c)a^2+(4b^2-5c^2)a)z^2+(56a^4+(-156b+34c)a^3+(112b^2-58cb-2c^2)a^2\\
&+(-12b^3+22cb^2)a+2cb^3-2c^2b^2)z+20a^5+(-84b+18c)a^4+(116b^2-64cb+3c^2)a^3+(-60b^3+76cb^2-13c^2b)a^2\\
&+(8b^4-32cb^3+13c^2b^2)a+2cb^4-3c^2b^3)z_1^2\\
&+2cz(16a^2z^3+(52a^3+(-72b+8c)a^2+(4b^2-4cb)a)z^2+(56a^4+(-156b+17c)a^3+(112b^2-34cb)a^2\\
&+(-12b^3+17cb^2)a)z+20a^5+(-84b+9c)a^4+(116b^2-32cb)a^3+(-60b^3+38cb^2)a^2+(8b^4-16cb^3)a+cb^4)z_1\\
&+4c^2az^2(z+a-2b)(z+a-b)(4az+5a^2-6ba+b^2),\\
&y^2z_2+(z+a-b)z_1^2+((a-b+c)y^2+2cz^2+(2ca-2cb)z)z_1\\
&-(ay^4+(-ca+cb)zy^2-c^2z^3+(-c^2a+c^2b)z^2),\\
&z_1-(yx-cz),
\end{aligned}
$$

$$
\begin{aligned}
&z_2+((z+a-b)x^2+(a-b+c)yx-ay^2-c^2z),\\
&z_3\ +(yx^3+((-3a+b-2c)z-3a^2+(4b-c)a-b^2+cb)x^2+(4az+3a^2+(-2b-c)a-b^2+cb-c^2)yx+(a^2+(-3b\\
&+c)a)y^2+c^3z)
\end{aligned}
$$

Lu system

$$\begin{cases} x' &= -ax + ay, \\ y' &= -zx + by, \\ z' &= yx - cz. \end{cases} \tag{9}$$

$x,\ y,\ z$:

$$\begin{aligned}
&xx_3 - x_1x_2 + (a-b+c)xx_2 - (a-b)x_1^2 + x(x^2 + ca - cb)x_1 + ax^2(x^2 - cb),\\
&x_2 + (a-b)x_1 + a(z-b)x,\\
&x_1 + a(x-y),
\end{aligned}$$

$$\begin{aligned}
&x_2 + a((z-a)x + (a-b)y),\\
&x_3 + a(yx^2 + ((-2a+b-c)z + a^2)x + (az - a^2 + ba - b^2)y)\\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&y^3y_3^3 - 3y^2y_1y_2y_3^2 + (7a-3b+4c)y^3y_2y_3^2 - 3(a-b+c)y^2y_1^2y_3^2 + (a-b+c)(4a+c)y^3y_1y_3^2\\
&- b(a+c)(4a+c)y^4y_3^2 + 3yy_1^2y_2^2y_3 - 2(7a-3b+4c)y^2y_1y_2^2y_3 + (3a-b+c)(5a-3b+5c)y^3y_2^2y_3\\
&+ 6(a-b+c)yy_1^3y_2y_3 - 2(a-b+c)(11a-3b+5c)y^2y_1^2y_2y_3\\
&+ 2(8a^3 + (-8b+17c)a^2 + (4b^2 - 9cb + 10c^2)a + cb^2 - c^2b + c^3)y^3y_1y_2y_3\\
&+ y^4(9a^2y^2 - 16ba^3 + (8b^2 - 34cb)a^2 + (10cb^2 - 20c^2b)a + 2c^2b^2 - 2c^3b)y_2y_3 + 3(a-b+c)^2yy_1^4y_3\\
&- 2(a-b+c)^2(4a+c)y^2y_1^3y_3 + 2(a+c)(a-b+c)(2a^2 + (2b+2c)a + cb)y^3y_1^2y_3\\
&+ ay^4((27a^2 - 9ba)y^2 - 8ba^3 + (8b^2 - 24cb)a^2 + (16cb^2 - 24c^2b)a + 8c^2b^2 - 8c^3b)y_1y_3\\
&- bay^5(27a^2y^2 - 4ba^3 - 12cba^2 - 12c^2ba - 4c^3b)y_3 - y_1^3y_2^3 + (7a-3b+4c)yy_1^2y_2^3\\
&- (3a-b+c)(5a-3b+5c)y^2y_1y_2^3 + (a-b+2c)(3a-b+c)^2y^3y_2^3 - 3(a-b+c)y_1^4y_2^2\\
&+ 3(a-b+c)(6a-2b+3c)yy_1^3y_2^2\\
&- (31a^3 + (-49b+69c)a^2 + (25b^2 - 65cb + 45c^2)a - 3b^3 + 13cb^2 - 16c^2b + 7c^3)y^2y_1^2y_2^2\\
&- y^3(9a^2y^2 - 12a^4 + (12b-49c)a^3 + (-12b^2 + 37cb - 51c^2)a^2 + (4b^3 - 13cb^2 + 14c^2b - 15c^3)a + cb^3 - c^2b^2 + c^3b - c^4)y_1y_2^2\\
&+ y^4((9a^3 + (-9b+18c)a^2)y^2 - 12ba^4 + (16b^2 - 49cb)a^3 + (-4b^3 + 34cb^2 - 51c^2b)a^2 + (-5cb^3 + 20c^2b^2\\
&- 15c^3b)a - c^2b^3 + 2c^3b^2 - c^4b)y_2^2\\
&- 3(a-b+c)^2y_1^5y_2 + 3(a-b+c)^2(5a-b+2c)yy_1^4y_2\\
&- 2(a-b+c)(10a^3 + (-10b+21c)a^2 + (4b^2 - 11cb + 12c^2)a + cb^2 - c^2b + c^3)y^2y_1^3y_2\\
&- y^3((36a^3 + (-18b+9c)a^2)y^2 - 4a^5 + (-12b-28c)a^4 + (20b^2 - 14cb - 48c^2)a^3 + (-4b^3 + 32cb^2 - 18c^2b\\
&- 28c^3)a^2 + (-6cb^3 + 28c^2b^2 - 18c^3b - 4c^4)a - 2c^2b^3 + 4c^3b^2 - 2c^4b)y_1^2y_2\\
&+ ay^4((39a^3 + (-9b+51c)a^2 + (9b^2 - 27cb + 12c^2)a)y^2 - 8ba^4 + (12b^2 - 56cb)a^3 + (-8b^3 + 60cb^2\\
&- 96c^2b)a^2 + (-16cb^3 + 60c^2b^2 - 56c^3b)a - 8c^2b^3 + 12c^3b^2 - 8c^4b)y_1y_2\\
&- bay^5((39a^3 + (-27b+51c)a^2 + 12c^2a)y^2 - 4ba^4 + (4b^2 - 28cb)a^3 + (12cb^2 - 48c^2b)a^2 + (12c^2b^2\\
&- 28c^3b)a + 4c^3b^2 - 4c^4b)y_2\\
&- (a-b+c)^3y_1^6 + (a-b+c)^3(4a+c)yy_1^5 - (a+c)(a-b+c)^2(4a^2 + 4ca + cb)y^2y_1^4\\
&- a(a-b+c)y^3((27a^2 - 9ba)y^2 + (-8b-4c)a^3 + (8b^2 - 16cb - 8c^2)a^2 + (12cb^2 - 16c^2b - 4c^3)a + 8c^2b^2 - 8c^3b)y_1^3\\
&+ ay^4((4a^4 + (15b+39c)a^3 + (-27b^2 + 3cb + 12c^2)a^2 + (9cb^2 - 12c^2b + 4c^3)a)y^2 + (-4b^2 - 12cb)a^4 + (4b^3\\
&+ 8cb^2 - 36c^2b)a^3 + (24c^2b^2 - 36c^3b)a^2 + (8c^3b^2 - 12c^4b)a + 4c^3b^3 - 4c^4b^2)y_1^2\\
&+ a^2y^5(27a^2y^4 + (-8ba^3 + (12b^2 - 78cb)a^2 + (24cb^2 - 24c^2b)a + 12c^2b^2 - 8c^3b)y^2 + 12cb^2a^3 + (-12cb^3\\
&+ 36c^2b^2)a^2 + (-24c^2b^3 + 36c^3b^2)a - 12c^3b^3 + 12c^4b^2)y_1\\
&- ba^2y^6(y^2 - cb)(27a^2y^2 - 4ba^3 - 12cba^2 - 12c^2ba - 4c^3b),\\
&z^2y_2 + yy_1^2 - (2by^2 + (-a+b-c)z^2)y_1 + y(b^2y^2 + az^3 + (-ba-cb)z^2),\\
&y_1 + (zx - by),
\end{aligned}$$

$$\begin{aligned}
&y_2 + (yx^2 + (-a+b-c)zx + (az - b^2)y),\\
&y_3 - (zx^3 + (3a-2b+c)yx^2 + (-3ay^2 + az^2 + (-a^2 + (b-2c)a - b^2 + cb - c^2)z)x + ((a^2 + (-2b+2c)a)z + b^3)y)\\
&\quad - --
\end{aligned}$$

$$
\begin{aligned}
&zz_3^2 - z_1z_2z_3 + 2(2a-2b+c)zz_2z_3 - (a-b+c)z_1^2z_3 + z(8az + 2a^2 + (-4b+3c)a + 2b^2 - 3cb)z_1z_3\\
&\quad + 2cz^2(4az + a^2 - 2ba + b^2)z_3 - (a-3b+c)z_1z_2^2 + (a-3b+c)(3a-b+c)zz_2^2\\
&\quad - (4az + a^2 + (-6b+3c)a + 5b^2 - 7cb + c^2)z_1^2z_2\\
&\quad + z((16a^2 + (-16b+4c)a)z + 2a^3 + (-14b+7c)a^2 + (14b^2 - 18cb + 3c^2)a - 2b^3 + 3cb^2 - 3c^2b)z_1z_2\\
&\quad + 2cz^2((8a^2 + (-8b+4c)a)z + a^3 + (-7b+c)a^2 + (7b^2 - 2cb)a - b^3 + cb^2)z_2 - az_1^4\\
&\quad + ((8b-6c)az + (2b-c)a^2 + (-4b^2 + 6cb - c^2)a + 2b^3 - 5cb^2 + 3c^2b)z_1^3\\
&\quad + z(16a^2z^2 + (4a^3 + (-24b+16c)a^2 + (4b^2 - 5c^2)a)z + (-4b+2c)a^3 + (8b^2 - 10cb + 2c^2)a^2 + (-4b^3 + 6cb^2\\
&\quad - 4c^2b)a + 2cb^3 - 2c^2b^2)z_1^2\\
&\quad + 2caz^2(16az^2 + (4a^2 + (-24b+8c)a + 4b^2 - 4cb)z + (-4b+c)a^2 + (8b^2 - 6cb)a - 4b^3 + 5cb^2)z_1\\
&\quad + 4c^2az^3(z-b)(4az + a^2 - 2ba + b^2),\\
&y^2z_2 + zz_1^2 + ((a-b+c)y^2 + 2cz^2)z_1 - (ay^4 + (-ca+cb)zy^2 - c^2z^3),\\
&z_1 - (yx - cz),
\end{aligned}
$$

$$
\begin{aligned}
&z_2 + (zx^2 + (a-b+c)yx - ay^2 - c^2z),\\
&z_3 + (yx^3 + (-3a+b-2c)zx^2 + (4az - a^2 + (2b-c)a - b^2 + cb - c^2)yx + (a^2 + (-3b+c)a)y^2 + c^3z)
\end{aligned}
$$

T system

$$\begin{cases} x' &= -ax + ay, \\ y' &= (-az - a + b)x, \\ z' &= yx - cz. \end{cases} \tag{10}$$

$x,\ y,\ z$:

$$xx_3 - x_1x_2 + (a+c)xx_2 - ax_1^2 + ax(x^2+c)x_1 + ax^2(ax^2+ca-cb),$$
$$x_2 + ax_1 + a(az+a-b)x,$$
$$x_1 + a(x-y),$$

$$x_2 + a((az-b)x + ay),$$
$$x_3 + a^2(yx^2 + ((-2a-c)z - a + 2b)x + (az-b)y)$$
$$---$$

$$ay^3y_3^3 - 3ay^2y_1y_2y_3^2 + a(7a+4c)y^3y_2y_3^2 - 3a(a+c)y^2y_1^2y_3^2$$
$$+ y((4a^3+5ca^2+c^2a)y^2 + c^2a^2 - 2c^2ba + c^2b^2)y_1y_3^2 + ca(a-b)y^2(3ay^2 - ca + cb)y_3^2 + 3ayy_1^2y_2^2y_3$$
$$- 2a(7a+4c)y^2y_1y_2^2y_3 + 5a(a+c)(3a+c)y^3y_2^2y_3 + 6a(a+c)yy_1^3y_2y_3$$
$$- ((22a^3+32ca^2+10c^2a)y^2 + c^2a^2 - 2c^2ba + c^2b^2)y_1^2y_2y_3$$
$$+ y((16a^4+22ca^3+(12cb+20c^2)a^2+2c^3a)y^2 + 4c^2a^3 + (-8c^2b+3c^3)a^2 + (4c^2b^2-6c^3b)a + 3c^3b^2)y_1y_2y_3$$
$$+ ay^2(9a^3y^4 + (22ca^3 + (-22cb+7c^2)a^2 - 7c^2ba)y^2 - 3c^2a^3 + (6c^2b-3c^3)a^2 + (-3c^2b^2+6c^3b)a - 3c^3b^2)y_2y_3$$
$$+ 3a(a+c)^2yy_1^4y_3 - (a+c)((8a^3+10ca^2+2c^2a)y^2 + c^2a^2 - 2c^2ba + c^2b^2)y_1^3y_3$$
$$+ y((4a^5 - 6ca^4 + (18cb+3c^2)a^3 + (9c^2b+4c^3)a^2)y^2 + 2c^2a^4 + (-4c^2b+3c^3)a^3 + (2c^2b^2-6c^3b+c^4)a^2$$
$$+ (3c^3b^2 - 2c^4b)a + c^4b^2)y_1^2y_3$$
$$+ ay^2(27a^4y^4 + (18ca^4 + (-18cb+18c^2)a^3 - 18c^2ba^2)y^2 - c^2a^4 + (2c^2b+2c^3)a^3 + (-c^2b^2-8c^3b-c^4)a^2$$
$$+ (10c^3b^2+2c^4b)a - 4c^3b^3 - c^4b^2)y_1y_3$$
$$- 4c^3a^2(a-b)^3y^3y_3 - ay_1^3y_2^3 + a(7a+4c)yy_1^2y_2^3 - 5a(a+c)(3a+c)y^2y_1y_2^3 + a(a+2c)(3a+c)^2y^3y_2^3$$
$$- 3a(a+c)y_1^4y_2^2 + 9a(a+c)(2a+c)yy_1^3y_2^2$$
$$- ((31a^4+60ca^3+(9cb+45c^2)a^2+7c^3a)y^2 + 2c^2a^3 + (-4c^2b+c^3)a^2 + (2c^2b^2-2c^3b)a + c^3b^2)y_1^2y_2^2$$
$$- y(9a^4y^4 + (-12a^5 - 21ca^4 + (-28cb-32c^2)a^3 + (-19c^2b-15c^3)a^2 - c^4a)y^2 - 4c^2a^4 + (8c^2b-6c^3)a^3$$
$$+ (-4c^2b^2+12c^3b-2c^4)a^2 + (-6c^3b^2+4c^4b)a - 2c^4b^2)y_1y_2^2$$
$$+ ay^2((9a^4+18ca^3)y^4 + (27ca^4 + (-27cb+31c^2)a^3 + (-31c^2b+4c^3)a^2 - 4c^3ba)y^2 - 2c^2a^4 + (4c^2b$$
$$- 5c^3)a^3 + (-2c^2b^2+10c^3b-2c^4)a^2 + (-5c^3b^2+4c^4b)a - 2c^4b^2)y_2^2$$
$$- 3a(a+c)^2y_1^5y_2 + 3a(a+c)^2(5a+2c)yy_1^4y_2$$
$$- ((20a^5+38ca^4+(24cb+51c^2)a^3 + (15c^2b+26c^3)a^2 + 2c^4a)y^2 + 3c^2a^4 + (-6c^2b+4c^3)a^3 + (3c^2b^2$$
$$- 8c^3b + c^4)a^2 + (4c^3b^2 - 2c^4b)a + c^4b^2)y_1^3y_2$$
$$- y((36a^5+9ca^4)y^4 + (-4a^6 + 28ca^5 + (-56cb+28c^2)a^4 + (-76c^2b-8c^3)a^3$$
$$+ (-20c^3b-4c^4)a^2)y^2 - 4c^2a^5 + (8c^2b-7c^3)a^4 + (-4c^2b^2+12c^3b-6c^4)a^3 + (-3c^3b^2+12c^4b-c^5)a^2 + (-2c^3b^3-6c^4b^2+2c^5b)a - c^5b^2)y_1^2y_2$$
$$+ ay^2((39a^5+51ca^4+12c^2a^3)y^4 + (30ca^5 + (-30cb+66c^2)a^4 + (-54c^2b+30c^3)a^3$$
$$+ (-12c^2b^2-30c^3b)a^2)y^2 - c^2a^5 + (2c^2b+3c^3)a^4 + (-c^2b^2-14c^3b+c^4)a^3 + (19c^3b^2-8c^4b-c^5)a^2 + (-8c^3b^3+13c^4b^2+2c^5b)a - 6c^4b^3 - c^5b^2)y_1y_2$$
$$+ 2ca^2(a-b)y^3(9a^3y^4 + (8ca^3 + (-8cb-c^2)a^2 + c^2ba)y^2 - 3c^2a^3 + (6c^2b-3c^3)a^2 + (-3c^2b^2+6c^3b)a - 3c^3b^2)y_2$$
$$- a(a+c)^3y_1^6 + a(a+c)^3(4a+c)yy_1^5$$
$$- a((4a^5+ca^4+(15cb+3c^2)a^3 + (21c^2b+10c^3)a^2 + (6c^3b+4c^4)a)y^2 + c^2a^4 + (-2c^2b+3c^3)a^3 + (c^2b^2$$
$$- 7c^3b + c^4)a^2 + (5c^3b^2 - 2c^4b)a - c^3b^3 + c^4b^2)y_1^4$$
$$- ay((27a^5+27ca^4)y^4 + (18ca^5 + (-22cb+27c^2)a^4 + (-30c^2b+18c^3)a^3$$
$$+ (-9c^2b^2-30c^3b)a^2 - 4c^4ba)y^2 - c^2a^5 + 2c^2ba^4 + (-c^2b^2-3c^3b-3c^4)a^3 + (6c^3b^2+6c^4b-c^5)a^2 + (-3c^3b^3-3c^4b^2+2c^5b)a - c^5b^2)y_1^3$$
$$+ ay^2((4a^6+12ca^5+(27cb+12c^2)a^4+4c^3a^3)y^4 + (4ca^6 + (-4cb+12c^2)a^5 + (6c^2b+12c^3)a^4 + (-18c^2b^2$$
$$+ 6c^3b + 4c^4)a^3 + (-18c^3b^2 - 4c^4b)a^2)y^2 + 4c^3a^5 + (-13c^3b+4c^4)a^4 + (14c^3b^2 - 14c^4b)a^3 + (-5c^3b^3 + 16c^4b^2$$
$$- c^5b)a^2 + (-6c^4b^3 + 2c^5b^2)a - c^5b^3)y_1^2$$
$$+ a^2y^3(27a^5y^6 + (45ca^5 + (-45cb+18c^2)a^4 - 18c^2ba^3)y^4 + (17c^2a^5 + (-34c^2b+16c^3)a^4 + (17c^2b^2$$
$$- 32c^3b - c^4)a^3 + (16c^3b^2 + 2c^4b)a^2 - c^4b^2a)y^2 - c^3a^5 + (3c^3b-2c^4)a^4 + (-3c^3b^2+2c^4b-c^5)a^3 + (c^3b^3+6c^4b^2$$
$$+ 3c^5b)a^2 + (-10c^4b^3 - 3c^5b^2)a + 4c^4b^4 + c^5b^3)y_1$$

$$
\begin{aligned}
&\quad - 4c^3a^3(a-b)^3y^4(ay^2+ca-cb),\\
&(az+a-b)^2y_2+ayy_1^2+a(az+a-b)((a+c)z+a-b)y_1+a(az+a-b)^3y,\\
&y_1+(az+a-b)x,
\end{aligned}
$$

$$
\begin{aligned}
&y_2+a(yx^2+((-a-c)z-a+b)x+(az+a-b)y),\\
&y_3-a((az+a-b)x^3+(3a+c)yx^2+(-3ay^2+a^2z^2+(a^2+(-2b-2c)a-c^2)z-ba+b^2)x+((a^2+2ca)z+a^2-ba)y)\\
&\quad - --
\end{aligned}
$$

$$
\begin{aligned}
&(az+a-b)z_3^2-az_1z_2z_3+2(2a+c)(az+a-b)z_2z_3-a(a+c)z_1^2z_3\\
&\quad +a(8a^2z^2+(18a^2+(-16b+3c)a)z+10a^2+(-18b+4c)a+8b^2-4cb)z_1z_3\\
&\quad +2caz(az+a-b)(4az+5a-4b)z_3-a(a+c)z_1z_2^2+(a+c)(3a+c)(az+a-b)z_2^2\\
&\quad -a(4a^2z+5a^2+(-4b+3c)a+c^2)z_1^2z_2\\
&\quad +a((16a^3+4ca^2)z^2+(34a^3+(-32b+19c)a^2+(-12cb+3c^2)a)z+18a^3+(-34b+16c)a^2+(16b^2-24cb\\
&\quad +4c^2)a+8cb^2-4c^2b)z_1z_2\\
&\quad +2caz(az+a-b)((8a^2+4ca)z+9a^2+(-8b+5c)a-4cb)z_2-a^3z_1^4-ca^2(6az+5a-4b+c)z_1^3\\
&\quad +a^2(16a^3z^3+(52a^3+(-48b+16c)a^2-5c^2a)z^2+(56a^3+(-104b+34c)a^2+(48b^2-32cb-2c^2)a+4c^2b)z\\
&\quad +20a^3+(-56b+18c)a^2+(52b^2-34cb+3c^2)a-16b^3+16cb^2-3c^2b)z_1^2\\
&\quad +2ca^2z(az+a-b)(16a^2z^2+(36a^2+(-32b+8c)a)z+20a^2+(-36b+9c)a+16b^2-8cb)z_1\\
&\quad +4c^2a^2z^2(az+a-b)^2(4az+5a-4b),\\
&y^2z_2+(az+a-b)z_1^2+((a+c)y^2+2caz^2+(2ca-2cb)z)z_1-(ay^4-cazy^2-c^2az^3+(-c^2a+c^2b)z^2),\\
&z_1-(yx-cz),
\end{aligned}
$$

$$
\begin{aligned}
&z_2+((az+a-b)x^2+(a+c)yx-ay^2-c^2z),\\
&z_3+(ayx^3+((-3a^2-2ca)z-3a^2+(3b-c)a+cb)x^2+(4a^2z+3a^2+(-4b-c)a-c^2)yx+(a^2+ca)y^2+c^3z)
\end{aligned}
$$

4-dimensional Qi-Chen-Du-Chen-Yuan system

$$\begin{cases} x' &= -ax + (wz + a)y, \\ y' &= (-wz + b)x + by, \\ z' &= wyx - cz, \\ w' &= -zyx - dw. \end{cases} \tag{11}$$

$x_2 + (((z^2 - w^2)y^2 + w^2z^2 + (a - b)wz - a^2 - ba)x + ((a - b + c + d)wz + a^2 - ba)y),$
$x_3 + ((4wzy^3 + (-4wz^3 + (-a + 3b)z^2 + 4w^3z + (a - 3b)w^2)y)x^2 + (((-2a + 3b - 3c - d)z^2 + (2a - 3b + c + 3d)w^2)y^2$
$+ (-2a + b - 3c - 3d)w^2z^2 + (-2a^2 + (3b - c - d)a - b^2 + (2c + 2d)b)wz + a^3 + 2ba^2 - b^2a)x + (wz^3 + az^2 - w^3z - aw^2)y^3$
$+ (w^3z^3 + (2a - b)w^2z^2 + ((-b - c - d)a - b^2 + (2c + 2d)b - c^2 - 2dc - d^2)wz - a^3 - b^2a)y),$
$x_4 - (((4z^2 - 4w^2)y^4 + (-4z^4 + 36w^2z^2 + (4a - 24b)wz - 4w^4)y^2 - 4w^2z^4 + (-a + 7b)wz^3 + (4w^4 + ba - 3b^2)z^2 + (a$
$- 7b)w^3z + (-ba + 3b^2)w^2)x^3 + ((16a - 24b + 12c + 12d)wzy^3 + ((-16a + 12b - 24c - 12d)wz^3 + (-4a^2 + (14b - 3c - d)a$
$- 10b^2 + (14c + 4d)b)z^2 + (16a - 12b + 12c + 24d)w^3z + (4a^2 + (-14b + c + 3d)a + 10b^2 + (-4c - 14d)b)w^2)y)x^2$
$+ ((z^4 - 14w^2z^2 - 12awz + w^4)y^4 + (14w^2z^4 + (17a - 11b)wz^3 + (-14w^4 + (-3b - 8c - 2d)a - 7b^2 + (14c + 4d)b - 7c^2$
$- 4dc - d^2)z^2 + (-17a + 11b)w^3z + ((3b + 2c + 8d)a + 7b^2 + (-4c - 14d)b + c^2 + 4dc + 7d^2)w^2)y^2 + w^4z^4 + (2a$
$- 2b)w^3z^3 + (-2a^2 + (-2b - 8c - 8d)a + (4c + 4d)b - 7c^2 - 14dc - 7d^2)w^2z^2 + (-3a^3 + (3b - 3c - 3d)a^2 + (-b^2 + (6c + 6d)b$
$- c^2 - 2dc - d^2)a + b^3 + (-3c - 3d)b^2 + (3c^2 + 6dc + 3d^2)b)wz + a^4 + 3ba^3 - b^2a^2 + b^3a)x + ((2a - 6b + 6c + 2d)wz^3$
$+ (2a^2 + (-6b + 5c + d)a)z^2 + (-2a + 6b - 2c - 6d)w^3z + (-2a^2 + (6b - c - 5d)a)w^2)y^3 + ((2a - 2b + 6c + 6d)w^3z^3 + (4a^2$
$+ (-6b + 8c + 8d)a + 2b^2 + (-4c - 4d)b)w^2z^2 + (a^3 + (-5b + c + d)a^2 + (3b^2 + (-2c - 2d)b - c^2 - 2dc - d^2)a + b^3$
$+ (-3c - 3d)b^2 + (3c^2 + 6dc + 3d^2)b - c^3 - 3dc^2 - 3d^2c - d^3)wz - a^4 - ba^3 + b^2a^2 + b^3a)y)$
$- --$

Qi-Chen-Du-Chen-Yuan system

$$\begin{cases} x' &= -ax + (z+a)y, \\ y' &= (-z+b)x - y, \\ z' &= yx - cz. \end{cases} \tag{12}$$

$x,\ y,\ z$:

$$
\begin{aligned}
&x^4x_3^4 - 4x^3x_1x_2x_3^3 + 4(a+2c+2)x^4x_2x_3^3 - 4(a+c+1)x^3x_1^2x_3^3 \\
&+ x^2(16x^4 + ((4c+4)a + 4c^2 + 8c + 4)x^2 - c^2a^2)x_1x_3^3 \\
&+ x^3(16ax^4 + (-3ca^2 + (-4cb + 4c^2 + 8c + 4)a - cb^2)x^2 + c^2a^2)x_3^3 + 6x^2x_1^2x_2^2x_3^2 - 12(a+2c+2)x^3x_1x_2^2x_3^2 \\
&+ 2(3a^2 + (12c+12)a + 11c^2 + 26c + 11)x^4x_2^2x_3^2 + 12(a+c+1)x^2x_1^3x_2x_3^2 \\
&- 2x(24x^4 + (6a^2 + (24c+24)a + 18c^2 + 36c + 18)x^2 - c^2a^2)x_1^2x_2x_3^2 \\
&+ x^2((96c+96)x^4 + ((27c+12)a^2 + (18cb + 20c^2 + 56c + 20)a + 3cb^2 + 20c^3 + 76c^2 + 76c + 20)x^2 - 3c^2a^3 + (-7c^3 - 6c^2)a^2)x_1x_2x_3^2 \\
&+ x^3((39a^2 + (-18b + 96c + 96)a - 9b^2)x^4 + (-9ca^3 + (-12cb - c^2 - c + 12)a^2 + (-3cb^2 + (-26c^2 - 32c)b + 20c^3 \\
&+ 76c^2 + 76c + 20)a + (-4c^2 - 7c)b^2)x^2 + 3c^2a^3 + (7c^3 + 4c^2)a^2)x_2x_3^2 \\
&+ 6(a+c+1)^2x^2x_1^4x_3^2 - 2(a+c+1)x(24x^4 + ((6c+6)a + 6c^2 + 12c + 6)x^2 - c^2a^2)x_1^3x_3^2 \\
&+ x^2(96x^6 + (-48a^2 + 40c^2 + 112c + 40)x^4 + (15ca^3 + (18cb - 19c^2 + 13c - 8)a^2 + (3cb^2 + (16c^2 + 24c)b - 4c^3 \\
&+ 4c^2 + 4c - 4)a + (3c^2 + 3c)b^2 + 4c^4 + 24c^3 + 40c^2 + 24c + 4)x^2 + (-5c^3 - 4c^2)a^3 + (-4c^4 - 7c^3 - 3c^2)a^2)x_1^2x_3^2 \\
&+ x^3(192ax^6 + (-9a^3 + (-18b + 45c + 21)a^2 + (-9b^2 + (-18c - 54)b + 80c^2 + 224c + 80)a + (-15c - 27)b^2)x^4 \\
&+ ((-24c^2 - 4c)a^3 + ((-10c^2 - 8c)b + 20c^3 + 26c^2 + 22c + 8)a^2 + ((-c^2 - 4c)b^2 + (-16c^3 - 34c^2 - 22c)b + 8c^4 + 48c^3 + 80c^2 + 48c \\
&+ 8)a + (-c^3 - 5c^2 - 4c)b^2)x^2 + 4c^3a^4 + (5c^3b - 4c^4 + c^2)a^3 + (c^3b^2 + 4c^4 + 5c^3 + c^2)a^2)x_1x_3^2 \\
&+ ax^4(96ax^6 + ((-3c - 27)a^2 + ((-18c - 54)b + 40c^2 + 112c + 40)a + (-15c - 27)b^2)x^4 + ((3c^2b + 12c^3 - 14c^2 \\
&- 18c)a^2 + (6c^2b^2 + (-16c^3 - 34c^2 - 22c)b + 4c^4 + 24c^3 + 40c^2 + 24c + 4)a + 3c^2b^3 + (-c^3 - 5c^2 - 4c)b^2)x^2 - 4c^3a^3 \\
&+ (-5c^3b + 4c^4 + 5c^3 + c^2)a^2 - c^3b^2a)x_3^2 \\
&- 4xx_1^3x_2^3x_3 + 12(a+2c+2)x^2x_1^2x_2^3x_3 - 4(3a^2 + (12c+12)a + 11c^2 + 26c + 11)x^3x_1x_2^3x_3 \\
&+ 4(a+c+3)(a+2c+2)(a+3c+1)x^4x_2^3x_3 - 12(a+c+1)xx_1^4x_2^2x_3 \\
&+ (48x^4 + (24a^2 + (84c+84)a + 60c^2 + 120c + 60)x^2 - c^2a^2)x_1^3x_2^2x_3 \\
&- x((48a + 192c + 192)x^4 + (12a^3 + (105c + 84)a^2 + (24cb + 144c^2 + 336c + 144)a + 3cb^2 + 84c^3 + 300c^2 \\
&+ 300c + 84)x^2 - 4c^2a^3 + (-8c^3 - 7c^2)a^2)x_1^2x_2^2x_3 \\
&- x^2((30a^2 - 36ba - 18b^2 - 176c^2 - 416c - 176)x^4 + ((-42c - 12)a^3 + (-36cb - 90c^2 - 150c - 28)a^2 + (-6cb^2 \\
&+ (-88c^2 - 76c)b - 28c^3 - 164c^2 - 164c - 28)a + (-8c^2 - 14c)b^2 - 28c^4 - 192c^3 - 328c^2 - 192c - 28)x^2 + 3c^2a^4 + (14c^3 + 12c^2)a^3 \\
&+ (15c^4 + 28c^3 + 11c^2)a^2)x_1x_2^2x_3 + x^3((30a^3 + (-36b + 138c + 174)a^2 + (-18b^2 + (-108c - 36)b + 176c^2 + 416c + 176)a + (-54c - 18)b^2)x^4 \\
&+ (-9ca^4 + (-12cb - 14c^2 - 26c + 12)a^3 + (-3cb^2 + (-52c^2 - 64c)b + 19c^3 + 62c^2 + 103c + 40)a^2 + ((-8c^2 - 14c)b^2 \\
&+ (-44c^3 - 164c^2 - 64c)b + 28c^4 + 192c^3 + 328c^2 + 192c + 28)a + (-5c^3 - 20c^2 - 15c)b^2)x^2 + 3c^2a^4 + (14c^3 + 8c^2)a^3 + (15c^4 + 20c^3 + 5c^2)a^2)x_2^2x_3 \\
&- 12(a+c+1)^2xx_1^5x_2x_3 + 2(a+c+1)(48x^4 + (6a^2 + (30c+30)a + 24c^2 + 48c + 24)x^2 - c^2a^2)x_1^4x_2x_3 \\
&- 2x(96x^6 + ((144c+144)a + 136c^2 + 304c + 136)x^4 + ((33c+12)a^3 + (24cb + 35c^2 + 123c + 36)a^2 + (3cb^2 \\
&+ (22c^2 + 30c)b + 48c^3 + 192c^2 + 192c + 48)a + (3c^2 + 3c)b^2 + 24c^4 + 120c^3 + 192c^2 + 120c + 24)x^2 - 2c^2a^4 \\
&+ (-9c^3 - 8c^2)a^3 + (-6c^4 - 11c^3 - 5c^2)a^2)x_1^3x_2x_3 \\
&- x^2((192a - 384c - 384)x^6 + (60a^3 + (-72b + 216c + 216)a^2 + (-36b^2 + (-120c - 144)b + 112c^2 + 160c \\
&+ 112)a + (-48c - 72)b^2 - 128c^3 - 640c^2 - 640c - 128)x^4 + (-30ca^4 + (-36cb - 88c^2 - 96c + 16)a^3 + (-6cb^2 \\
&+ (-164c^2 - 140c)b + 114c^3 + 22c + 56)a^2 + ((-16c^2 - 28c)b^2 + (-128c^3 - 288c^2 - 136c)b + 32c^4 + 48c^3 + 32c^2 + 48c + 32)a \\
&+ (-10c^3 - 32c^2 - 22c)b^2 - 8c^5 - 104c^4 - 272c^3 - 272c^2 - 104c - 8)x^2 + (16c^3 + 8c^2)a^4 + (7c^3b + 26c^4 + 48c^3 + 18c^2)a^3 \\
&+ (c^3b^2 + 16c^5 + 46c^4 + 40c^3 + 10c^2)a^2)x_1^2x_2x_3 + x^3((120a^2 + (-144b + 768c + 768)a - 72b^2)x^6 + (-18a^4 + (-36b + 54c + 78)a^3 \\
&+ (-18b^2 + (-132c - 36)b + 238c^2 + 412c + 174)a^2 + ((-90c - 18)b^2 + (-148c^2 - 520c - 132)b + 256c^3 + 1280c^2 + 1280c + 256)a \\
&+ (-74c^2 - 260c - 66)b^2)x^4 + ((-60c^2 - 8c)a^4 + ((-56c^2 - 16c)b - 60c^3 + 8c^2 + 60c + 16)a^3 + ((-38c^2 - 8c)b^2 + (8c^3 - 108c^2 - 36c)b \\
&+ 56c^4 + 256c^3 + 248c^2 + 192c + 24)a^2 + (-12c^2b^3 + (-2c^3 - 18c^2 - 16c)b^2 + (-36c^4 - 264c^3 - 292c^2 - 64c)b + 16c^5 \\
&+ 208c^4 + 544c^3 + 544c^2 + 208c + 16)a + (-2c^4 - 20c^3 - 34c^2 - 16c)b^2)x^2 + 8c^3a^5 + (10c^3b + 8c^4 + 16c^3 + 2c^2)a^4 \\
&+ (2c^3b^2 + (28c^4 + 20c^3)b - 16c^5 - 8c^4 + 10c^3 + 2c^2)a^3 + ((3c^4 + 4c^3)b^2 + 16c^5 + 34c^4 + 20c^3 + 2c^2)a^2)x_1x_2x_3 \\
&+ x^4((120a^3 + (-144b + 384c + 384)a^2 - 72b^2a)x^6 + ((12c - 54)a^4 + ((27c - 108)b + 78c^2 - 36c + 14)a^3 \\
&+ ((51c - 54)b^2 + (-148c^2 - 520c - 132)b + 128c^3 + 640c^2 + 640c + 128)a^2 + (45cb^3 + (-74c^2 - 260c - 66)b^2)a \\
&+ 9cb^4)x^4 + ((6c^2b + 16c^3 - 12c^2 - 36c)a^4 + (12c^2b^2 + (-32c^3 - 14c^2 - 44c)b + 40c^4 + 64c^3 - 104c^2 + 8)a^3 + (6c^2b^3 \\
&+ (13c^3 + 50c^2 - 8c)b^2 + (-36c^4 - 264c^3 - 292c^2 - 64c)b + 8c^5 + 104c^4 + 272c^3 + 272c^2 + 104c + 8)a^2 + ((7c^3 \\
&+ 22c^2)b^3 + (-2c^4 - 20c^3 - 34c^2 - 16c)b^2)a)x^2 - 8c^3a^5 + (-10c^3b - 8c^4 + 2c^2)a^4 + (-2c^3b^2 + (-28c^4 - 13c^3)b + 16c^5 \\
&+ 34c^4 + 20c^3 + 2c^2)a^3 + (-3c^4 - 3c^3)b^2a^2)x_2x_3 \\
&- 4(a+c+1)^3xx_1^6x_3 + (a+c+1)^2(48x^4 + ((12c+12)a + 12c^2 + 24c + 12)x^2 - c^2a^2)x_1^5x_3 \\
&- x((192a + 192c + 192)x^6 + (-48a^3 + (128c^2 + 320c + 128)a + 80c^3 + 304c^2 + 304c + 80)x^4 + (21ca^4 + (24cb
\end{aligned}
$$

$$
\begin{aligned}
&- 6c^2 + 62c - 4)a^3 + (3cb^2 + (44c^2 + 60c)b - 15c^3 + 50c^2 + 81c)a^2 + ((6c^2 + 6c)b^2 + (20c^3 + 56c^2 + 36c)b + 12c^4 \\
&+ 96c^3 + 168c^2 + 96c + 12)a + (3c^3 + 6c^2 + 3c)b^2 + 8c^5 + 56c^4 + 128c^3 + 128c^2 + 56c + 8)x^2 + (-5c^3 - 5c^2)a^4 + (c^3b \\
&- 10c^4 - 18c^3 - 8c^2)a^3 + (-4c^5 - 11c^4 - 10c^3 - 3c^2)a^2)x_1^4x_3 \\
&+ x^2(256x^8 + (-384a^2 + (-192c - 192)a + 128c^2 + 512c + 128)x^6 + (18a^4 + (36b - 24c - 24)a^3 + (18b^2 + (120c \\
&+ 144)b - 282c^2 - 404c - 170)a^2 + ((48c + 72)b^2 + (116c^2 + 192c + 108)b - 112c^3 - 272c^2 - 272c - 112)a + (30c^2 \\
&+ 84c + 54)b^2 + 16c^4 + 192c^3 + 352c^2 + 192c + 16)x^4 + ((73c^2 + 8c)a^4 + ((62c^2 + 16c)b - 44c^3 + 68c^2 - 16c - 16)a^3 \\
&+ ((11c^2 + 8c)b^2 + (88c^3 + 176c^2 + 64c)b - 80c^4 - 184c^3 - 128c^2 - 104c - 32)a^2 + ((4c^3 + 20c^2 + 16c)b^2 + (44c^4 \\
&+ 160c^3 + 164c^2 + 48c)b - 16c^5 - 64c^4 - 112c^3 - 112c^2 - 64c - 16)a + (2c^4 + 12c^3 + 18c^2 + 8c)b^2 + 16c^5 + 64c^4 + 96c^3 \\
&+ 64c^2 + 16c)x^2 - 7c^3a^5 + (-8c^3b - 15c^3 - 2c^2)a^4 + (-c^3b^2 + (-6c^4 - 8c^3)b - 8c^5 - 24c^4 - 20c^3 - 4c^2)a^3 + ((-c^4 - c^3)b^2 - 4c^6 - 16c^5 \\
&- 22c^4 - 12c^3 - 2c^2)a^2)x_1^3x_3 + x^3(768ax^8 + (-264a^3 + (-144b + 240c + 48)a^2 + (-72b^2 + (-96c - 288)b + 384c^2 + 1536c + 384)a \\
&+ (-144c - 144)b^2)x^6 + ((-9c + 54)a^4 + ((-69c + 108)b - 166c^2 - 140c - 6)a^3 + ((-87c + 54)b^2 + (84c^2 - 136c + 84)b + 76c^3 \\
&+ 388c^2 + 132c + 12)a^2 + (-27cb^3 + (-14c^2 - 92c + 42)b^2 + (-88c^3 - 280c^2 - 392c - 8)b + 48c^4 + 576c^3 + 1056c^2 \\
&+ 576c + 48)a + (-4c^3 - 156c^2 - 156c - 4)b^2)x^4 + (-3c^2a^5 + (-18c^2b - 72c^3 + 26c^2 + 32c)a^4 + (-27c^2b^2 + (48c^3 \\
&+ 14c^2 + 36c)b - 72c^4 - 64c^3 + 24c^2 + 32c - 8)a^3 + (-12c^2b^3 + (-15c^3 - 48c^2 + 4c)b^2 + (52c^4 + 56c^3 + 36c^2 + 32c)b \\
&- 4c^5 + 112c^4 + 144c^3 + 72c^2 + 36c - 8)a^2 + ((-9c^3 - 18c^2)b^3 + (2c^4 + 4c^3 + 2c^2)b^2 \\
&+ (-88c^4 - 184c^3 - 104c^2 - 8c)b + 48c^5 + 192c^4 + 288c^3 + 192c^2 + 48c)a + (-4c^4 - 12c^3 - 12c^2 - 4c)b^2)x^2 + (20c^4 + 9c^3)a^5 + ((22c^4 \\
&+ 12c^3)b - 20c^5 - 4c^4 - c^3 - 2c^2)a^4 + ((2c^4 + 3c^3)b^2 + (20c^5 + 28c^4 + 11c^3)b - 8c^6 - 16c^5 - 10c^4 - 4c^3 - 2c^2)a^3 + ((c^5 \\
&+ 3c^4 + 2c^3)b^2 + 4c^6 + 12c^5 + 12c^4 + 4c^3)a^2)x_1^2x_3 \\
&+ x^4(768a^2x^8 + (-45a^4 + (-36b + 288c - 96)a^3 + (90b^2 + (-192c - 576)b + 384c^2 + 1536c + 384)a^2 + (108b^3 \\
&+ (-288c - 288)b^2)a + 27b^4)x^6 + (-9ca^5 + (-18cb - 48c^2 - 107c - 12)a^4 + ((10c^2 - 166c - 24)b + 168c^3 + 376c^2 - 136c + 40)a^3 \\
&+ (18cb^3 + (4c^2 + 40c - 12)b^2 + (-176c^3 - 560c^2 - 784c - 16)b + 48c^4 + 576c^3 + 1056c^2 + 576c + 48)a^2 + (9cb^4 + (18c^2 \\
&+ 126c)b^3 + (-8c^3 - 312c^2 - 312c - 8)b^2)a + 27cb^4)x^4 + ((-16c^3 - 2c^2)a^5 + (-16c^3b - 8c^4 - 32c^3 - 71c^2 - 8c)a^4 \\
&+ ((-2c^3 + 6c^2)b^2 + (-12c^4 - 84c^3 - 76c^2 - 16c)b + 8c^5 + 192c^4 + 112c^3 - 32c^2 + 40c)a^3 + ((-2c^3 + 4c^2)b^3 + (-c^4 \\
&+ 38c^3 + 37c^2 - 8c)b^2 + (-176c^4 - 368c^3 - 208c^2 - 16c)b + 48c^5 + 192c^4 + 288c^3 + 192c^2 + 48c)a^2 + ((18c^3 \\
&+ 18c^2)b^3 + (-8c^4 - 24c^3 - 24c^2 - 8c)b^2)a)x^2 - 4c^4a^6 + (-12c^4b - 8c^5 - c^3)a^5 + (-12c^4b^2 + (20c^5 - 2c^3)b - 4c^6 + 8c^5 \\
&- 8c^4 + 7c^3)a^4 + (-4c^4b^3 + (c^5 - c^3)b^2 + (-20c^5 - 22c^4 - 2c^3)b + 8c^6 + 24c^5 + 24c^4 + 8c^3)a^3 + (-c^5 - 2c^4 - c^3)b^2a^2)x_1x_3 \\
&+ ax^5(x^2 + c)(256a^2x^6 + (27a^4 + (108b + 48c - 144)a^3 + (162b^2 + (-96c - 288)b + 128c^2 + 256c + 128)a^2 \\
&+ (108b^3 + (-144c - 144)b^2)a + 27b^4)x^4 + ((12c^2 + 18c)a^4 + ((42c^2 + 54c)b + 60c^3 - 28c^2 - 92c - 4)a^3 + ((48c^2 \\
&+ 54c)b^2 + (-88c^3 - 184c^2 - 104c - 8)b + 16c^4 + 64c^3 + 96c^2 + 64c + 16)a^2 + ((18c^2 + 18c)b^3 \\
&+ (-4c^3 - 12c^2 - 12c - 4)b^2)a)x^2 + 4c^3a^5 + (12c^3b + 8c^4 - 20c^3 - c^2)a^4 + (12c^3b^2 + (-20c^4 - 22c^3 - 2c^2)b + 4c^5 + 12c^4 + 12c^3 + 4c^2)a^3 \\
&+ (4c^3b^3 + (-c^4 - 2c^3 - c^2)b^2)a^2)x_3 \\
&+ x_1^4x_2^4 - 4(a + 2c + 2)xx_1^3x_2^4 + 2(3a^2 + (12c + 12)a + 11c^2 + 26c + 11)x^2x_1^2x_2^4 \\
&- 4(a + c + 3)(a + 2c + 2)(a + 3c + 1)x^3x_1x_2^4 + (a + c + 3)^2(a + 3c + 1)^2x^4x_2^4 + 4(a + c + 1)x_1^5x_2^3 \\
&- 4x(4x^2 + 3a^2 + (10c + 10)a + 7c^2 + 14c + 7)x_1^4x_2^3 \\
&+ ((32a + 96c + 96)x^4 + (12a^3 + (81c + 72)a^2 + (10cb + 120c^2 + 272c + 120)a + cb^2 + 64c^3 + 224c^2 + 224c \\
&+ 64)x^2 - c^2a^3 + (-c^3 - 2c^2)a^2)x_1^3x_2^3 \\
&- x((9a^2 + (18b + 96c + 96)a + 9b^2 + 176c^2 + 416c + 176)x^4 + (4a^4 + (61c + 40)a^3 + (24cb + 157c^2 + 301c \\
&+ 108)a^2 + (3cb^2 + (62c^2 + 44c)b + 116c^3 + 492c^2 + 492c + 116)a + (4c^2 + 7c)b^2 + 52c^4 + 320c^3 + 536c^2 + 320c + 52)x^2 \\
&- 2c^2a^4 + (-8c^3 - 7c^2)a^3 + (-6c^4 - 15c^3 - 6c^2)a^2)x_1^2x_2^3 \\
&- x^2((14a^3 + (-36b + 42c + 78)a^2 + (-18b^2 + (-108c - 36)b)a + (-54c - 18)b^2 - 96c^3 - 416c^2 - 416c - 96)x^4 \\
&+ ((-19c - 4)a^4 + (-18cb - 74c^2 - 102c - 12)a^3 + (-3cb^2 + (-88c^2 - 76c)b - 83c^3 - 214c^2 - 143c - 8)a^2 + ((-8c^2 - 14c)b^2 \\
&+ (-98c^3 - 200c^2 - 70c)b - 12c^4 - 112c^3 - 264c^2 - 112c - 12)a + (-5c^3 - 20c^2 - 15c)b^2 - 12c^5 - 124c^4 - 376c^3 - 376c^2 - 124c - 12)x^2 \\
&+ c^2a^5 + (7c^3 + 6c^2)a^4 + (15c^4 + 28c^3 + 11c^2)a^3 + (9c^5 + 30c^4 + 27c^3 + 6c^2)a^2)x_1x_2^3 \\
&+ x^3((7a^4 + (-18b + 42c + 78)a^3 + (-9b^2 + (-108c - 36)b + 95c^2 + 362c + 167)a^2 + ((-54c - 18)b^2 \\
&+ (-162c^2 - 108c - 18)b + 96c^3 + 416c^2 + 416c + 96)a + (-81c^2 - 54c - 9)b^2)x^4 + (-3ca^5 + (-4cb - 9c^2 - 17c + 4)a^4 + (-cb^2 \\
&+ (-26c^2 - 32c)b - c^3 - 14c^2 + 27c + 20)a^3 + ((-4c^2 - 7c)b^2 + (-44c^3 - 164c^2 - 64c)b + 17c^4 + 91c^3 + 243c^2 + 165c + 28)a^2 \\
&+ ((-5c^3 - 20c^2 - 15c)b^2 + (-22c^4 - 168c^3 - 190c^2 - 36c)b + 12c^5 + 124c^4 + 376c^3 + 376c^2 + 124c + 12)a \\
&+ (-2c^4 - 13c^3 - 24c^2 - 9c)b^2)x^2 + c^2a^5 + (7c^3 + 4c^2)a^4 + (15c^4 + 20c^3 + 5c^2)a^3 + (9c^5 + 24c^4 + 13c^3 + 2c^2)a^2)x_2^3 \\
&+ 6(a + c + 1)^2x_1^6x_2^2 - 12(a + c + 1)x(4x^2 + a^2 + (4c + 4)a + 3c^2 + 6c + 3)x_1^5x_2^2 \\
&+ (96x^6 + (48a^2 + (288c + 288)a + 232c^2 + 496c + 232)x^4 + (6a^4 + (87c + 60)a^3 + (30cb + 165c^2 + 393c \\
&+ 156)a^2 + (3cb^2 + (28c^2 + 36c)b + 168c^3 + 600c^2 + 600c + 168)a + (3c^2 + 3c)b^2 + 66c^4 + 312c^3 + 492c^2 + 312c + 66)x^2 \\
&- 2c^2a^4 + (-5c^3 - 8c^2)a^3 + (-2c^4 - 7c^3 - 5c^2)a^2)x_1^4x_2^2 \\
&- x((384c + 384)x^6 + (-21a^3 + (54b + 69c + 45)a^2 + (27b^2 + (102c + 90)b + 336c^2 + 864c + 336)a + (33c \\
&+ 45)b^2 + 304c^3 + 1232c^2 + 1232c + 304)x^4 + ((54c + 12)a^4 + (48cb + 184c^2 + 276c + 48)a^3 + (6cb^2 + (202c^2
\end{aligned}
$$

$$+ 156c)b + 86c^3 + 586c^2 + 516c + 72)a^2 + ((15c^2 + 24c)b^2 + (148c^3 + 302c^2 + 126c)b + 72c^4 + 576c^3 + 1008c^2 + 576c$$
$$+ 72)a + (9c^3 + 27c^2 + 18c)b^2 + 36c^5 + 324c^4 + 792c^3 + 792c^2 + 324c + 36)x^2 - 2c^2a^5 + (-18c^3 - 14c^2)a^4$$
$$+ (-2c^3b - 28c^4 - 60c^3 - 23c^2)a^3 + (-10c^5 - 40c^4 - 41c^3 - 11c^2)a^2)x_1^3x_2^2$$
$$- x^2((120a^2 + (-144b + 384c + 384)a - 72b^2 - 352c^2 - 832c - 352)x^6 + (12a^4 + (-72b + 123c + 207)a^3$$
$$+ (-36b^2 + (-342c - 162)b + 248c^2 + 644c + 364)a^2 + ((-177c - 81)b^2 + (-400c^2 - 712c - 168)b + 192c^3 + 576c^2$$
$$+ 576c + 192)a + (-128c^2 - 332c - 84)b^2 - 88c^4 - 736c^3 - 1424c^2 - 736c - 88)x^4 + (-15ca^5 + (-18cb - 119c^2 - 83c$$
$$+ 8)a^4 + (-3cb^2 + (-181c^2 - 116c)b - 101c^3 - 196c^2 - 31c + 52)a^3 + ((-43c^2 - 25c)b^2 + (-274c^3 - 586c^2 - 220c)b$$
$$+ 99c^4 + 185c^3 + 109c^2 + 247c + 72)a^2 + (-9c^2b^3 + (-16c^3 - 65c^2 - 49c)b^2 + (-184c^4 - 680c^3 - 640c^2 - 144c)b$$
$$+ 28c^5 + 172c^4 + 184c^3 + 184c^2 + 172c + 28)a$$
$$+ (-7c^4 - 45c^3 - 69c^2 - 31c)b^2 - 4c^6 - 80c^5 - 380c^4 - 608c^3 - 380c^2 - 80c - 4)x^2 + (11c^3 + 4c^2)a^5 + (7c^3b + 36c^4 + 51c^3 + 15c^2)a^4$$
$$+ (c^3b^2 + (15c^4 + 12c^3)b + 33c^5 + 96c^4 + 80c^3 + 17c^2)a^3 + ((c^4 + 2c^3)b^2 + 12c^6 + 59c^5 + 89c^4 + 49c^3 + 7c^2)a^2)x_1^2x_2^2$$
$$+ x^3(((168c + 312)a^2 + ((-432c - 144)b + 704c^2 + 1664c + 704)a + (-216c - 72)b^2)x^6 + (-9a^5 + (-18b - 9c$$
$$+ 57)a^4 + (-9b^2 + (-177c + 18)b + 115c^2 + 406c + 151)a^3 + ((-156c + 9)b^2 + (-234c^2 - 132c - 18)b + 213c^3 + 807c^2$$
$$+ 1019c + 201)a^2 + (-45cb^3 + (-189c^2 - 90c - 9)b^2 + (-242c^3 - 1130c^2 - 598c - 78)b + 176c^4 + 1472c^3 + 2848c^2$$
$$+ 1472c + 176)a - 9cb^4 + (-143c^3 - 425c^2 - 321c - 39)b^2)x^4 + ((-36c^2 - 4c)a^5 + ((-46c^2 - 8c)b - 84c^3 - 46c^2 + 38c$$
$$+ 8)a^4 + ((-37c^2 - 4c)b^2 + (-66c^3 - 158c^2 - 14c)b - 12c^4 + 80c^3 + 284c^2 + 176c + 16)a^3 + (-12c^2b^3$$
$$+ (-106c^3 - 97c^2 - 12c)b^2 + (82c^4 - 88c^3 - 222c^2 - 28c)b + 36c^5 + 278c^4 + 642c^3 + 690c^2 + 226c + 16)a^2 + ((-19c^3 - 28c^2)b^3$$
$$+ (-c^4 - 14c^3 - 37c^2 - 12c)b^2 + (-20c^5 - 314c^4 - 714c^3 - 382c^2 - 42c)b + 8c^6 + 160c^5 + 760c^4 + 1216c^3 + 760c^2 + 160c + 8)a$$
$$+ (-c^5 - 15c^4 - 51c^3 - 49c^2 - 12c)b^2)x^2 + 4c^3a^6 + (5c^3b + 12c^4 + 16c^3 + c^2)a^5 + (c^3b^2 + (28c^4 + 20c^3)b + 4c^5 + 20c^4 + 19c^3 + c^2)a^4 + ((3c^4 + 4c^3)b^2$$
$$+ (31c^5 + 56c^4 + 18c^3)b - 12c^6 - 16c^5 + 17c^4 + 10c^3 + c^2)a^3 + ((2c^5 + 6c^4 + 4c^3)b^2 + 12c^6 + 49c^5 + 51c^4 + 15c^3 + c^2)a^2)x_1x_2^2$$
$$+ x^4((24a^4 + (-144b + 168c + 312)a^3 + (-72b^2 + (-432c - 144)b + 352c^2 + 832c + 352)a^2$$
$$+ (-216c - 72)b^2a)x^6 + ((15c - 27)a^5 + ((45c - 54)b + 56c^2 - 130c - 26)a^4 + ((66c - 27)b^2 + (5c^2 - 457c - 132)b + 101c^3 + 151c^2$$
$$+ 363c + 89)a^3 + (45cb^3 + (196c^2 - 179c - 66)b^2 + (-242c^3 - 1130c^2 - 598c - 78)b + 88c^4 + 736c^3 + 1424c^2 + 736c$$
$$+ 88)a^2 + (9cb^4 + (153c^2 + 45c)b^3 + (-143c^3 - 425c^2 - 321c - 39)b^2)a + (18c^2 + 9c)b^4)x^4 + ((3c^2b + 4c^3 + 2c^2$$
$$- 18c)a^5 + (6c^2b^2 + (-16c^3 + 20c^2 - 22c)b + 20c^4 + 48c^3 - 128c^2 - 24c + 4)a^4 + (3c^2b^3 + (14c^3 + 55c^2 - 4c)b^2$$
$$+ (-55c^4 - 136c^3 - 233c^2 - 64c)b + 28c^5 + 126c^4 + 34c^3 + 82c^2 + 74c + 8)a^3 + ((7c^3 + 22c^2)b^3 + (-c^4 + 131c^3 + 36c^2 - 16c)b^2$$
$$+ (-20c^5 - 314c^4 - 714c^3 - 382c^2 - 42c)b + 4c^6 + 80c^5 + 380c^4 + 608c^3 + 380c^2 + 80c + 4)a^2 + ((4c^4 + 31c^3 + 27c^2)b^3$$
$$+ (-c^5 - 15c^4 - 51c^3 - 49c^2 - 12c)b^2)a)x^2 - 4c^3a^6 + (-5c^3b - 12c^4 - 5c^3 + c^2)a^5 + (-c^3b^2 + (-28c^4 - 13c^3)b - 4c^5 + 16c^4 + 14c^3 + 2c^2)a^4 + ((-3c^4 - 3c^3)b^2$$
$$+ (-31c^5 - 41c^4 - 8c^3)b + 12c^6 + 49c^5 + 51c^4 + 15c^3 + c^2)a^3 + (-2c^5 - 5c^4 - 2c^3)b^2a^2)x_2^2$$
$$+ 4(a + c + 1)^3x_1^7x_2 - 4(a + c + 1)^2x(12x^2 + a^2 + (6c + 6)a + 5c^2 + 10c + 5)x_1^6x_2$$
$$+ ((192a + 192c + 192)x^6 + ((192c + 192)a^2 + (368c^2 + 800c + 368)a + 176c^3 + 592c^2 + 592c + 176)x^4 + ((39c$$
$$+ 12)a^4 + (30cb + 70c^2 + 202c + 52)a^3 + (3cb^2 + (56c^2 + 72c)b + 95c^3 + 406c^2 + 423c + 96)a^2 + ((6c^2 + 6c)b^2 + (26c^3$$
$$+ 68c^2 + 42c)b + 84c^4 + 432c^3 + 696c^2 + 432c + 84)a + (3c^3 + 6c^2 + 3c)b^2 + 28c^5 + 172c^4 + 376c^3 + 376c^2 + 172c$$
$$+ 28)x^2 - c^2a^5 + (-4c^3 - 8c^2)a^4 + (c^3b - 5c^4 - 16c^3 - 11c^2)a^3 + (-c^5 - 6c^4 - 9c^3 - 4c^2)a^2)x_1^5x_2$$
$$- x(256x^8 + (-192a^2 + (384c + 384)a + 512c^2 + 1280c + 512)x^6 + (-21a^4 + (54b - 54c - 102)a^3 + (27b^2$$
$$+ (204c + 180)b - 113c^2 + 46c - 65)a^2 + ((66c + 90)b^2 + (182c^2 + 276c + 126)b + 160c^3 + 992c^2 + 992c + 160)a$$
$$+ (39c^2 + 102c + 63)b^2 + 144c^4 + 960c^3 + 1632c^2 + 960c + 144)x^4 + (21ca^5 + (24cb + 132c^2 + 107c - 4)a^4 + (3cb^2$$
$$+ (192c^2 + 120c)b - 13c^3 + 310c^2 + 167c - 28)a^3 + ((21c^2 + 21c)b^2 + (264c^3 + 524c^2 + 204c)b - 71c^4 + 71c^3 + 383c^2$$
$$+ 141c - 36)a^2 + ((15c^3 + 48c^2 + 33c)b^2 + (114c^4 + 392c^3 + 386c^2 + 108c)b - 4c^5 + 188c^4 + 584c^3 + 584c^2 + 188c$$
$$- 4)a + (6c^4 + 27c^3 + 36c^2 + 15c)b^2 + 8c^6 + 128c^5 + 440c^4 + 640c^3 + 440c^2 + 128c + 8)x^2 + (-10c^3 - 5c^2)a^5$$
$$+ (-4c^3b - 19c^4 - 53c^3 - 16c^2)a^4 + ((2c^4 - 4c^3)b - 22c^5 - 79c^4 - 74c^3 - 17c^2)a^3 + (-4c^6 - 27c^5 - 48c^4 - 31c^3 - 6c^2)a^2)x_1^4x_2$$
$$- x^2((512a - 512c - 512)x^8 + (48a^3 + (-288b + 1032c + 936)a^2 + (-144b^2 + (-336c - 432)b + 704c^2 + 1664c$$
$$+ 704)a + (-216c - 216)b^2 - 192c^3 - 1344c^2 - 1344c - 192)x^6 + (-18a^5 + (-36b - 27c + 60)a^4 + (-18b^2$$
$$+ (-321c - 72)b + 24c^2 + 344c + 240)a^3 + ((-225c - 36)b^2 + (-552c^2 - 1064c - 192)b + 578c^3 + 1806c^2 + 1574c + 442)a^2$$
$$+ (-27cb^3 + (-208c^2 - 544c - 96)b^2 + (-532c^3 - 1316c^2 - 1084c - 140)b + 240c^4 + 1216c^3 + 1696c^2 + 1216c + 240)a$$
$$+ (-78c^3 - 490c^2 - 482c - 70)b^2 - 16c^5 - 336c^4 - 1184c^3 - 1184c^2 - 336c - 16)x^4 + ((-88c^2 - 8c)a^5 + ((-110c^2 - 16c)b - 171c^3 - 151c^2 + 28c + 16)a^4$$
$$+ ((-62c^2 - 8c)b^2 + (-206c^3 - 342c^2 - 64c)b + 72c^4 + 56c^3 + 88c^2 + 240c + 40)a^3 + (-18c^2b^3 + (-94c^3 - 119c^2 - 28c)b^2$$
$$+ (-184c^4 - 736c^3 - 672c^2 - 120c)b + 100c^5 + 604c^4 + 804c^3 + 676c^2 + 416c + 40)a^2 + ((-15c^3 - 24c^2)b^3 + (-4c^4 - 48c^3 - 84c^2 - 40c)b^2$$
$$+ (-104c^5 - 604c^4 - 972c^3 - 548c^2 - 76c)b + 16c^6 + 208c^5 + 496c^4 + 608c^3 + 496c^2 + 208c + 16)a$$
$$+ (-2c^5 - 26c^4 - 66c^3 - 62c^2 - 20c)b^2 - 16c^6 - 144c^5 - 352c^4 - 352c^3 - 144c^2 - 16c)x^2 + 7c^3a^6 + (8c^3b + 33c^4 + 31c^3 + 2c^2)a^5$$
$$+ (c^3b^2 + (38c^4 + 28c^3)b + 8c^5 + 65c^4 + 44c^3 + 4c^2)a^4 + ((3c^4 + 5c^3)b^2 + (14c^5 + 44c^4 + 19c^3)b + 20c^6 + 80c^5 + 104c^4 + 48c^3 + 4c^2)a^3$$
$$+ ((c^5 + 4c^4 + 3c^3)b^2 + 4c^7 + 32c^6 + 74c^5 + 70c^4 + 26c^3 + 2c^2)a^2)x_1^3x_2$$
$$- x^3((144a^2 + (288b - 1536c - 1536)a + 144b^2)x^8 + (147a^4 + (-36b + 528c + 240)a^3 + (90b^2 + (288c$$
$$- 288)b - 276c^2 - 456c - 100)a^2 + (108b^3 + (144c - 144)b^2 + (536c^2 + 1424c + 312)b - 576c^3 - 4032c^2 - 4032c$$

$$
\begin{aligned}
&- 576)a + 27b^4 + (412c^2 + 856c + 156)b^2)x^6 + ((18c - 54)a^5 + ((114c - 108)b + 75c^2 - 194c - 72)a^4 + ((168c \\
&- 54)b^2 + (90c^2 - 382c - 240)b + 254c^3 + 474c^2 - 158c + 70)a^3 + (90cb^3 + (508c^2 + 70c - 120)b^2 \\
&+ (-492c^3 - 92c^2 - 580c - 116)b - 40c^4 - 688c^3 - 1140c^2 - 376c + 36)a^2 + (18cb^4 + (222c^2 + 198c)b^3 + (134c^3 + 26c^2 - 166c - 58)b^2 \\
&+ (152c^4 + 1184c^3 + 1824c^2 + 512c + 8)b - 48c^5 - 1008c^4 - 3552c^3 - 3552c^2 - 1008c - 48)a + (9c^2 + 36c)b^4 + (68c^4 + 376c^3 + 696c^2 + 248c + 4)b^2)x^4 \\
&+ (3c^2a^6 + (18c^2b + 61c^3 - 9c^2 - 32c)a^5 + (27c^2b^2 + (38c^3 + 52c^2 - 36c)b + 116c^4 + 62c^3 - 245c^2 - 84c + 8)a^4 \\
&+ (12c^2b^3 + (135c^3 + 129c^2 - 4c)b^2 + (-214c^4 - 244c^3 - 202c^2 - 104c)b + 92c^5 + 212c^4 - 28c^3 - 308c^2 + 16c + 16)a^3 \\
&+ ((32c^3 + 50c^2)b^3 + (167c^4 + 302c^3 + 131c^2 - 20c)b^2 + (-168c^5 - 492c^4 - 332c^3 - 228c^2 - 60c)b + 4c^6 - 84c^5 \\
&- 468c^4 - 536c^3 - 288c^2 + 20c + 8)a^2 + ((20c^4 + 76c^3 + 56c^2)b^3 + (-2c^5 - 18c^4 - 18c^3 - 14c^2 - 12c)b^2 + (152c^5 \\
&+ 648c^4 + 688c^3 + 200c^2 + 8c)b - 48c^6 - 432c^5 - 1056c^4 - 1056c^3 - 432c^2 - 48c)a + (4c^5 + 28c^4 + 48c^3 + 28c^2 \\
&+ 4c)b^2)x^2 + (-24c^4 - 9c^3)a^6 + ((-32c^4 - 12c^3)b - 28c^5 - 35c^4 - 11c^3 + 2c^2)a^5 + ((-10c^4 - 3c^3)b^2 \\
&+ (-68c^5 - 96c^4 - 28c^3)b + 36c^6 + 56c^5 + 15c^4 + 20c^3 + 4c^2)a^4 + (-2c^4b^3 + (-4c^5 - 11c^4 - 7c^3)b^2 + (-32c^6 - 102c^5 - 86c^4 - 16c^3)b \\
&+ 8c^7 + 36c^6 + 38c^5 + 26c^4 + 18c^3 + 2c^2)a^3 + ((-c^6 - 6c^5 - 9c^4 - 4c^3)b^2 - 4c^7 - 28c^6 - 48c^5 - 28c^4 - 4c^3)a^2)x_1^2x_2 \\
&+ x^4((224a^3 + (-576b + 1536c + 1536)a^2 - 288b^2a)x^8 + (-72a^5 + (-144b + 21c + 3)a^4 + (-72b^2 \\
&+ (-414c - 324)b + 616c^2 + 784c + 264)a^3 + ((144c - 54)b^2 + (-1072c^2 - 2848c - 624)b + 576c^3 + 4032c^2 + 4032c + 576)a^2 \\
&+ ((558c + 108)b^3 + (-824c^2 - 1712c - 312)b^2)a + (171c + 27)b^4)x^6 + (-9ca^6 + (-18cb - 63c^2 - 161c - 12)a^5 \\
&+ ((10c^2 - 346c - 24)b + 40c^3 - 141c^2 - 43c + 32)a^4 + (18cb^3 + (76c^2 - 176c - 12)b^2 + (-80c^3 - 868c^2 - 722c - 32)b \\
&+ 224c^4 + 1184c^3 + 840c^2 + 560c + 72)a^3 + (9cb^4 + (102c^2 + 18c)b^3 + (42c^3 + 378c^2 - 220c - 16)b^2 \\
&+ (-304c^4 - 2368c^3 - 3648c^2 - 1024c - 16)b + 48c^5 + 1008c^4 + 3552c^3 + 3552c^2 + 1008c + 48)a^2 + ((27c^2 + 9c)b^4 + (214c^3 + 556c^2 + 162c)b^3 \\
&+ (-136c^4 - 752c^3 - 1392c^2 - 496c - 8)b^2)a + (12c^3 + 51c^2 + 39c)b^4)x^4 + ((-20c^3 - 2c^2)a^6 + (-16c^3b - 32c^4 - 38c^3 - 90c^2 - 8c)a^5 + ((22c^3 + 6c^2)b^2 \\
&+ (-76c^4 - 104c^3 - 116c^2 - 16c)b - 4c^5 + 64c^4 - 121c^3 - 47c^2 + 36c)a^4 + ((30c^3 + 4c^2)b^3 + (-170c^4 + 10c^3 + 14c^2 - 8c)b^2 + (32c^5 - 240c^4 - 534c^3 \\
&- 360c^2 - 24c)b + 8c^6 + 280c^5 + 664c^4 + 336c^3 + 304c^2 + 72c)a^3 + (12c^3b^4 + (-12c^4 + 4c^3 + 16c^2)b^3 + (-13c^5 \\
&+ 189c^4 + 285c^3 + 17c^2 - 12c)b^2 + (-304c^5 - 1296c^4 - 1376c^3 - 400c^2 - 16c)b + 48c^6 + 432c^5 + 1056c^4 + 1056c^3 \\
&+ 432c^2 + 48c)a^2 + ((30c^4 + 78c^3 + 30c^2)b^3 + (-8c^5 - 56c^4 - 96c^3 - 56c^2 - 8c)b^2)a)x^2 - 4c^4a^7 \\
&+ (-12c^4b - 12c^5 - 8c^4 - c^3)a^6 + (-12c^4b^2 + (-12c^5 - 24c^4 - 2c^3)b - 12c^6 - 8c^5 + 9c^4 + 7c^3)a^5 + (-4c^4b^3 + (-33c^5 - 24c^4 - c^3)b^2 + (32c^6 \\
&+ 20c^5 - 18c^4 - 2c^3)b - 4c^7 + 8c^6 + 16c^5 + 33c^4 + 11c^3)a^4 + ((-6c^5 - 8c^4)b^3 + (c^6 + c^5 - 3c^4 - c^3)b^2 \\
&+ (-32c^6 - 88c^5 - 40c^4 - 2c^3)b + 8c^7 + 56c^6 + 96c^5 + 56c^4 + 8c^3)a^3 + (-c^6 - 5c^5 - 5c^4 - c^3)b^2a^2)x_1x_2 \\
&+ ax^5((112a^3 + (-288b + 512c + 512)a^2 - 144b^2a)x^8 + (27a^5 + (108b + 93c - 117)a^4 + (162b^2 + (210c \\
&- 180)b + 148c^2 - 56c - 28)a^3 + (108b^3 + (504c + 18)b^2 + (-536c^2 - 1424c - 312)b + 192c^3 + 1344c^2 + 1344c \\
&+ 192)a^2 + (27b^4 + (558c + 108)b^3 + (-412c^2 - 856c - 156)b^2)a + (171c + 27)b^4)x^6 + ((12c^2 + 45c)a^5 + ((24c^2 \\
&+ 162c)b + 52c^3 + 111c^2 - 191c - 4)a^4 + ((-24c^2 + 216c)b^2 + (-40c^3 + 356c^2 - 218c - 8)b + 88c^4 + 240c^3 - 364c^2 - 72c \\
&+ 12)a^3 + ((-90c^2 + 126c)b^3 + (254c^3 + 894c^2 + 96c - 4)b^2 + (-152c^4 - 1184c^3 - 1824c^2 - 512c - 8)b + 16c^5 + 336c^4 \\
&+ 1184c^3 + 1184c^2 + 336c + 16)a^2 + ((-72c^2 + 27c)b^4 + (214c^3 + 556c^2 + 162c)b^3 \\
&+ (-68c^4 - 376c^3 - 696c^2 - 248c - 4)b^2)a - 18c^2b^5 + (12c^3 + 51c^2 + 39c)b^4)x^4 + (4c^3a^6 + (12c^3b + 12c^4 - 4c^3 + 17c^2)a^5 + (12c^3b^2 + (12c^4 + 16c^3 + 52c^2)b \\
&+ 12c^5 + 32c^4 + 7c^3 - 71c^2 - 4c)a^4 + (4c^3b^3 + (53c^4 + 10c^3 + 53c^2)b^2 + (-32c^5 - 128c^4 + 106c^3 - 40c^2 - 8c)b + 4c^6 \\
&+ 116c^5 + 140c^4 - 168c^3 - 40c^2 + 12c)a^3 + ((28c^4 - 26c^3 + 18c^2)b^3 + (-13c^5 + 197c^4 + 333c^3 + 65c^2 - 4c)b^2 \\
&+ (-152c^5 - 648c^4 - 688c^3 - 200c^2 - 8c)b + 16c^6 + 144c^5 + 352c^4 + 352c^3 + 144c^2 + 16c)a^2 + ((2c^4 - 16c^3)b^4 + (30c^4 + 78c^3 + 30c^2)b^3 \\
&+ (-4c^5 - 28c^4 - 48c^3 - 28c^2 - 4c)b^2)a)x^2 + 4c^4a^6 + (12c^4b + 12c^5 - 16c^4 - c^3)a^5 + (12c^4b^2 + (12c^5 - 8c^4 - 2c^3)b + 12c^6 - 20c^5 - 11c^4 + 3c^3)a^4 \\
&+ (4c^4b^3 + (33c^5 + 14c^4 - c^3)b^2 + (-32c^6 - 88c^5 - 40c^4 - 2c^3)b + 4c^7 + 28c^6 + 48c^5 + 28c^4 + 4c^3)a^3 + ((6c^5 + 6c^4)b^3 + (-c^6 - 5c^5 - 5c^4 - c^3)b^2)a^2)x_2 \\
&+ (a + c + 1)^4x_1^8 - 4(a + c + 1)^3x(4x^2 + (c + 1)a + c^2 + 2c + 1)x_1^7 \\
&+ ((96a^2 + (192c + 192)a + 96c^2 + 192c + 96)x^6 + (-16a^4 + (88c^2 + 208c + 88)a^2 + (112c^3 + 400c^2 + 400c \\
&+ 112)a + 40c^4 + 192c^3 + 304c^2 + 192c + 40)x^4 + (9ca^5 + (10cb + 9c^2 + 41c)a^4 + (cb^2 + (28c^2 + 36c)b + 3c^3 + 66c^2 \\
&+ 83c + 4)a^3 + ((3c^2 + 3c)b^2 + (26c^3 + 68c^2 + 42c)b + 11c^4 + 93c^3 + 181c^2 + 111c + 12)a^2 + ((3c^3 + 6c^2 + 3c)b^2 \\
&+ (8c^4 + 32c^3 + 40c^2 + 16c)b + 12c^5 + 92c^4 + 216c^3 + 216c^2 + 92c + 12)a + (c^4 + 3c^3 + 3c^2 + c)b^2 + 4c^6 + 32c^5 + 92c^4 \\
&+ 128c^3 + 92c^2 + 32c + 4)x^2 - 2c^2a^5 + (c^3b - 2c^4 - 6c^3 - 5c^2)a^4 + ((c^4 + c^3)b - c^5 - 6c^4 - 9c^3 - 4c^2)a^3 + (-c^5 - 3c^4 - 3c^3 - c^2)a^2)x_1^6 \\
&- x((256a + 256c + 256)x^8 + (-192a^3 + (-192c - 192)a^2 + (128c^2 + 512c + 128)a + 128c^3 + 640c^2 + 640c \\
&+ 128)x^6 + (9a^5 + (18b + 21c - 3)a^4 + (9b^2 + (102c + 90)b - 129c^2 - 114c - 81)a^3 + ((33c + 45)b^2 + (182c^2 + 276c \\
&+ 126)b - 141c^3 - 255c^2 - 151c - 101)a^2 + ((39c^2 + 102c + 63)b^2 + (98c^3 + 218c^2 + 174c + 54)b - 16c^4 + 192c^3 \\
&+ 416c^2 + 192c - 16)a + (15c^3 + 57c^2 + 69c + 27)b^2 + 16c^5 + 208c^4 + 544c^3 + 544c^2 + 208c + 16)x^4 + ((49c^2 + 4c)a^5 \\
&+ ((52c^2 + 8c)b + 9c^3 + 119c^2 + 6c - 8)a^4 + ((10c^2 + 4c)b^2 + (106c^3 + 184c^2 + 42c)b - 56c^4 - 48c^3 + 64c^2 - 32c - 24)a^3 \\
&+ ((12c^3 + 24c^2 + 12c)b^2 + (90c^4 + 296c^3 + 266c^2 + 60c)b - 32c^5 - 114c^4 - 70c^3 - 14c^2 - 50c - 24)a^2 + ((3c^4 + 18c^3 \\
&+ 27c^2 + 12c)b^2 + (28c^5 + 138c^4 + 218c^3 + 134c^2 + 26c)b - 8c^6 + 72c^4 + 128c^3 + 72c^2 - 8)a + (c^5 + 7c^4 + 15c^3 + 13c^2 \\
&+ 4c)b^2 + 16c^6 + 80c^5 + 160c^4 + 160c^3 + 80c^2 + 16c)x^2 - 3c^3a^6 + (-3c^3b + c^4 - 14c^3 - c^2)a^5 \\
&+ (-6c^3b - 8c^5 - 23c^4 - 26c^3 - 3c^2)a^4 + ((3c^5 - 3c^3)b - 4c^6 - 24c^5 - 39c^4 - 22c^3 - 3c^2)a^3 + (-4c^6 - 13c^5 - 15c^4 - 7c^3 - c^2)a^2)x_1^5 \\
&+ x^2(256x^{10} + (-768a^2 + (-512c - 512)a + 128c^2 + 768c + 128)x^8 + (168a^4 + (144b - 72c + 24)a^3 + (72b^2
\end{aligned}
$$

$$+ (336c + 432)b - 656c^2 - 1760c - 464)a^2 + ((216c + 216)b^2 + (352c^2 + 384c + 288)b - 320c^3 - 1216c^2 - 1216c$$
$$- 320)a + (144c^2 + 288c + 144)b^2 + 16c^4 + 320c^3 + 864c^2 + 320c + 16)x^6 + ((12c - 27)a^5 + ((87c - 54)b + 187c^2 + 43c$$
$$- 34)a^4 + ((102c - 27)b^2 + (81c^2 + 241c - 84)b - 75c^3 - 97c^2 - 177c - 59)a^3 + (27cb^3 + (113c^2 + 209c - 42)b^2$$
$$+ (238c^3 + 662c^2 + 562c - 22)b - 164c^4 - 1072c^3 - 1432c^2 - 752c - 100)a^2 + ((27c^2 + 27c)b^3 + (33c^3 + 319c^2 + 275c$$
$$- 11)b^2 + (216c^4 + 624c^3 + 800c^2 + 400c + 8)b - 48c^5 - 496c^4 - 992c^3 - 992c^2 - 496c - 48)a + (4c^4 + 160c^3 + 312c^2$$
$$+ 160c + 4)b^2 + 32c^5 + 256c^4 + 448c^3 + 256c^2 + 32c)x^4 + (3c^2a^6 + (15c^2b + 77c^3 - 9c^2 - 14c)a^5 + (21c^2b^2 + (50c^3$$
$$+ 32c^2 - 14c)b + 48c^4 + 114c^3 - 42c^2 - 52c + 4)a^4 + (9c^2b^3 + (71c^3 + 68c^2)b^2 + (-21c^4 + 86c^3 + 39c^2 - 24c)b - 28c^5$$
$$- 94c^4 - 98c^3 - 138c^2 - 98c + 8)a^3 + ((15c^3 + 24c^2)b^3 + (53c^4 + 97c^3 + 54c^2 + 4c)b^2 + (20c^5 + 190c^4 + 318c^3$$
$$+ 146c^2 - 2c)b - 188c^5 - 444c^4 - 440c^3 - 296c^2 - 108c + 4)a^2 + ((6c^4 + 21c^3 + 15c^2)b^3 + (-c^5 + 5c^4 + 21c^3 + 23c^2$$
$$+ 8c)b^2 + (16c^6 + 152c^5 + 368c^4 + 352c^3 + 128c^2 + 8c)b - 48c^6 - 176c^5 - 288c^4 - 288c^3 - 176c^2 - 48c)a + (4c^5 + 16c^4$$
$$+ 24c^3 + 16c^2 + 4c)b^2 + 16c^6 + 64c^5 + 96c^4 + 64c^3 + 16c^2)x^2 + (-19c^4 - 5c^3)a^6 + ((-15c^4 - 7c^3)b + 8c^5 - 31c^4 - 5c^3$$
$$+ c^2)a^5 + ((c^4 - 2c^3)b^2 + (-20c^5 - 44c^4 - 13c^3)b - 4c^6 - 17c^4 - c^3 + 2c^2)a^4 + (c^4b^3 + (-c^5 - 4c^4 - 3c^3)b^2$$
$$+ (-17c^5 - 23c^4 - 6c^3)b - 4c^7 - 20c^6 - 35c^5 - 25c^4 - 5c^3 + c^2)a^3 + ((-c^5 - 2c^4 - c^3)b^2 - 4c^7 - 16c^6 - 24c^5 - 16c^4 - 4c^3)a^2)x_1^4$$
$$+ x^3(1024ax^{10} + (-912a^3 + (-288b + 48c - 144)a^2 + (-144b^2 + (-352c - 288)b + 512c^2 + 3072c + 512)a$$
$$+ (-400c - 144)b^2)x^8 + (45a^5 + (36b - 195c + 141)a^4 + (-90b^2 + (132c + 612)b - 572c^2 - 1688c - 172)a^3 + (-108b^3 + (54c$$
$$+ 198)b^2 + (520c^2 - 272c + 552)b - 132c^3 + 260c^2 - 188c - 196)a^2 + (-27b^4 + (-108c - 108)b^3 + (20c^2 + 8c + 276)b^2$$
$$+ (-216c^3 - 888c^2 - 808c - 8)b + 64c^4 + 1280c^3 + 3456c^2 + 1280c + 64)a + (-27c - 27)b^4 + (-132c^3 - 556c^2 - 428c - 4)b^2)x^6 + (9ca^6$$
$$+ (18cb + 71c^2 + 116c + 12)a^5 + ((-160c^2 + 184c + 24)b - 180c^3 - 81c^2 + 295c - 28)a^4 + (-18cb^3 + (-334c^2 - 40c$$
$$+ 12)b^2 + (534c^3 + 500c^2 + 886c + 40)b - 204c^4 - 832c^3 - 900c^2 - 184c - 88)a^3 + (-9cb^4 + (-168c^2 - 144c)b^3$$
$$+ (-176c^3 - 168c^2 + 220c + 20)b^2 + (496c^4 + 688c^3 + 576c^2 + 688c + 16)b - 44c^5 - 108c^4 + 292c^3 - 36c^2 - 248c - 48)a^2$$
$$+ ((-9c^2 - 36c)b^4 + (-162c^3 - 288c^2 - 126c)b^3 + (-56c^4 + 104c^3 + 240c^2 + 232c + 8)b^2$$
$$+ (-16c^5 - 368c^4 - 816c^3 - 688c^2 - 32c)b + 128c^5 + 1024c^4 + 1792c^3 + 1024c^2 + 128c)a + (-27c^2 - 27c)b^4$$
$$+ (-16c^5 - 72c^4 - 264c^3 - 232c^2 - 24c)b^2)x^4 + ((14c^3 + 2c^2)a^6 + (-15c^3b + 12c^4 + 62c^3 + 69c^2 + 8c)a^5 + ((-51c^3 - 6c^2)b^2$$
$$+ (28c^4 + 64c^3 + 48c^2 + 16c)b - 84c^5 - 164c^4 + 35c^3 + 163c^2 - 32c)a^4 + ((-31c^3 - 4c^2)b^3 + (-61c^4 - 128c^3 - 55c^2 + 8c)b^2 + (184c^5 + 452c^4$$
$$+ 412c^3 + 256c^2 + 32c)b - 8c^6 - 224c^5 - 284c^4 - 144c^3 - 20c^2 - 88c)a^3 + (-9c^3b^4 + (-8c^4 - 34c^3 - 26c^2)b^3$$
$$+ (-87c^5 - 213c^4 - 167c^3 - 25c^2 + 16c)b^2 + (48c^6 + 304c^5 + 456c^4 + 368c^3 + 184c^2 + 16c)b - 40c^6 + 36c^5 + 92c^4 + 12c^3 - 52c^2 - 48c)a^2$$
$$+ ((-4c^5 - 30c^4 - 48c^3 - 22c^2)b^3 + (8c^5 + 20c^4 + 24c^3 + 20c^2 + 8c)b^2 + (-16c^6 - 152c^5 - 280c^4 - 168c^3 - 24c^2)b + 64c^6 + 256c^5 + 384c^4$$
$$+ 256c^3 + 64c^2)a + (-4c^5 - 12c^4 - 12c^3 - 4c^2)b^2)x^2 + 4c^4a^7 + (11c^4b + 28c^5 + 6c^4 + c^3)a^6 + (10c^4b^2 + (14c^5 + 23c^4$$
$$+ 2c^3)b - 16c^6 + 16c^5 + 3c^4 - 6c^3)a^5 + (3c^4b^3 + (c^5 + 12c^4 + c^3)b^2 + (32c^6 + 68c^5 + 40c^4 + 4c^3)b - 8c^7 - 48c^6 - 48c^5$$
$$- 23c^4 - 15c^3)a^4 + (3c^4b^3 + (c^6 + 4c^5 + 5c^4 + 2c^3)b^2 + (4c^7 + 32c^6 + 54c^5 + 28c^4 + 2c^3)b - 8c^7 - 20c^6 - 24c^5 - 20c^4$$
$$- 8c^3)a^3 + ((c^6 + 3c^5 + 3c^4 + c^3)b^2 + 4c^7 + 12c^6 + 12c^5 + 4c^4)a^2)x_1^3$$
$$+ x^4(1536a^2x^{10} + (-517a^4 + (-468b + 656c + 80)a^3 + (-126b^2 + (-1056c - 864)b + 768c^2 + 4608c + 768)a^2$$
$$+ (108b^3 + (-1200c - 432)b^2)a + 27b^4)x^8 + (-27a^6 + (-108b - 105c + 117)a^5 + (-162b^2 + (-6c + 180)b - 156c^2$$
$$- 1032c + 56)a^4 + (-108b^3 + (324c - 18)b^2 + (-22c^2 - 1282c + 240)b + 244c^3 + 1676c^2 + 332c + 52)a^3 + (-27b^4$$
$$+ (342c - 108)b^3 + (-296c^2 - 38c + 120)b^2 + (-648c^3 - 2664c^2 - 2424c - 24)b + 96c^4 + 1920c^3 + 5184c^2 + 1920c$$
$$+ 96)a^2 + ((117c - 27)b^4 + (258c^2 + 666c)b^3 + (-396c^3 - 1668c^2 - 1284c - 12)b^2)a + (144c^2 + 198c)b^4)x^6$$
$$+ ((-24c^2 - 45c)a^6 + ((-81c^2 - 162c)b - 112c^3 - 143c^2 + 175c + 4)a^5 + ((-27c^2 - 216c)b^2 + (252c^3 - 92c^2 + 162c + 8)b - 44c^4$$
$$- 172c^3 - 626c^2 + 160c - 12)a^4 + ((120c^2 - 126c)b^3 + (-110c^3 - 46c^2 - 88c + 4)b^2 + (264c^4 - 454c^3 - 798c^2 + 180c$$
$$+ 8)b - 4c^5 + 572c^4 + 1388c^3 + 404c^2 + 152c - 16)a^3 + ((117c^2 - 27c)b^4 + (-110c^3 - 20c^2 - 90c)b^3 + (-97c^4$$
$$+ 130c^3 + 297c^2 - 4c + 4)b^2 + (-48c^5 - 1104c^4 - 2448c^3 - 2064c^2 - 96c)b + 192c^5 + 1536c^4 + 2688c^3 + 1536c^2$$
$$+ 192c)a^2 + (27c^2b^5 + (12c^3 - 3c^2 - 15c)b^4 + (92c^4 + 376c^3 + 404c^2 + 12c)b^3$$
$$+ (-48c^5 - 216c^4 - 792c^3 - 696c^2 - 72c)b^2)a + (4c^4 + 12c^3 + 39c^2 + 4c)b^4)x^4 + (-4c^3a^7 + (-9c^3b - 8c^4 - 17c^2)a^6 + (-3c^3b^2$$
$$+ (-46c^4 - 48c^3 - 48c^2)b - 40c^5 - 108c^4 - 39c^3 + 59c^2 + 4c)a^5 + (5c^3b^3 + (-85c^4 - 40c^3 - 45c^2)b^2 + (184c^5 + 56c^4 + 2c^3 - 16c^2 + 8c)b$$
$$- 4c^6 - 28c^5 - 12c^4 - 104c^3 + 100c^2 - 12c)a^4 + (3c^3b^4 + (34c^4 + 26c^3 - 14c^2)b^3 + (-187c^5 - 253c^4 - 61c^3 - 45c^2 + 4c)b^2 + (44c^6 + 40c^5$$
$$- 178c^4 - 182c^3 - 12c^2 + 8c)b + 8c^6 + 364c^5 + 404c^4 + 164c^3 + 100c^2 - 16c)a^3 + ((18c^4 + 18c^3)b^4$$
$$+ (-8c^5 - 30c^4 - 18c^3 - 14c^2)b^3 + (-4c^6 + 78c^5 + 208c^4 + 128c^3 + 4c)b^2 + (-48c^6 - 456c^5 - 840c^4 - 504c^3 - 72c^2)b + 96c^6 + 384c^5 + 576c^4$$
$$+ 384c^3 + 96c^2)a^2 + ((4c^5 + 30c^4 + 30c^3 + 4c^2)b^3 + (-12c^5 - 36c^4 - 36c^3 - 12c^2)b^2)a)x^2 + (-4c^5 - 4c^4)a^7$$
$$+ ((-32c^5 - 13c^4)b - 8c^6 + 8c^5 + 16c^4 + c^3)a^6 + ((-34c^5 - 14c^4)b^2 + (40c^6 + 22c^5 + 9c^4 + 2c^3)b - 4c^7 - 24c^6 - 20c^5 + 15c^4 - 3c^3)a^5$$
$$+ ((-6c^5 - 5c^4)b^3 + (-19c^6 - 31c^5 - 12c^4 + c^3)b^2 + (8c^7 + 32c^6 + 20c^5 + 16c^4 + 2c^3)b - 4c^7 + 16c^6 + 4c^5 + 7c^4 - 4c^3)a^4$$
$$+ ((-c^6 - 6c^5 - 5c^4)b^3 + (c^6 + c^5 + c^4 + c^3)b^2 + (-4c^7 - 32c^6 - 34c^5 - 6c^4)b + 12c^7 + 36c^6 + 36c^5 + 12c^4)a^3 + (-c^6 - 2c^5 - c^4)b^2a^2)x_1^2$$
$$+ x^5(1024a^3x^{10} + (-90a^5 + (-72b + 400c - 176)a^4 + (180b^2 + (-1056c - 864)b + 512c^2 + 3072c + 512)a^3$$
$$+ (216b^3 + (-1200c - 432)b^2)a^2 + 54b^4a)x^8 + (18ca^6 + (171cb - 4c^2 - 328c - 12)a^5 + (351cb^2$$
$$+ (-196c^2 - 212c - 24)b + 244c^3 + 908c^2 - 436c + 52)a^4 + (180cb^3 + (-76c^2 + 1052c - 12)b^2 + (-648c^3 - 2664c^2 - 2424c - 24)b$$
$$+ 64c^4 + 1280c^3 + 3456c^2 + 1280c + 64)a^3 + (-126cb^4 + (516c^2 + 1332c)b^3$$

$$+ (-396c^3 - 1668c^2 - 1284c - 12)b^2)a^2 + (-135cb^5 + (288c^2 + 396c)b^4)a - 27cb^6)x^6 + ((9c^2b - 16c^3 + 34c^2)a^6 + (36c^2b^2 + (54c^3 + 243c^2$$
$$+ 12c)b + 28c^4 - 24c^3 - 376c^2 - 24c)a^5 + (54c^2b^3 + (72c^3 + 318c^2 + 36c)b^2 + (-96c^4 - 476c^3 - 124c^2 - 104c)b$$
$$+ 12c^5 + 524c^4 + 652c^3 - 332c^2 + 104c)a^4 + (36c^2b^4 + (-34c^3 - 2c^2 + 36c)b^3 + (-10c^4 + 588c^3 + 1122c^2 - 64c)b^2$$
$$+ (-48c^5 - 1104c^4 - 2448c^3 - 2064c^2 - 96c)b + 128c^5 + 1024c^4 + 1792c^3 + 1024c^2 + 128c)a^3 + (9c^2b^5 + (-54c^3 - 156c^2 + 12c)b^4 + (184c^4 + 752c^3$$
$$+ 808c^2 + 24c)b^3 + (-48c^5 - 216c^4 - 792c^3 - 696c^2 - 72c)b^2)a^2 + ((-18c^3 - 45c^2)b^5 + (8c^4 + 24c^3 + 78c^2$$
$$+ 8c)b^4)a)x^4 + (((32c^4 + 2c^3)b - 32c^4 + 14c^3)a^6 + ((84c^4 + 6c^3)b^2 + (40c^5 - 36c^4 + 109c^3 + 8c^2)b + 56c^5 - 36c^4 - 128c^3$$
$$- 12c^2)a^5 + ((72c^4 + 6c^3)b^3 + (-88c^5 - 4c^4 + 91c^3 + 16c^2)b^2 + (8c^6 - 224c^5 - 252c^4 - 60c^3 - 64c^2)b + 24c^6 + 316c^5$$
$$+ 180c^4 - 60c^3 + 52c^2)a^4 + ((20c^4 + 2c^3)b^4 + (17c^5 - 16c^4 - 21c^3 + 8c^2)b^3 + (-8c^6 + 148c^5 + 420c^4 + 280c^3$$
$$+ 4c^2)b^2 + (-48c^6 - 456c^5 - 840c^4 - 504c^3 - 72c^2)b + 64c^6 + 256c^5 + 384c^4 + 256c^3 + 64c^2)a^3 + ((c^5 - 16c^4$$
$$- 17c^3)b^4 + (8c^5 + 60c^4 + 60c^3 + 8c^2)b^3 + (-12c^5 - 36c^4 - 36c^3 - 12c^2)b^2)a^2)x^2 + 4c^5ba^7 + (12c^5b^2 + (8c^6 + c^4)b$$
$$- 16c^5 - 2c^4)a^6 + (12c^5b^3 + (-20c^6 + 2c^4)b^2 + (4c^7 - 8c^6 - 2c^5 - 11c^4)b + 28c^6 - 16c^5 + 10c^4)a^5 + (4c^5b^4 + (-c^6$$
$$+ c^4)b^3 + (20c^6 + 32c^5)b^2 + (-8c^7 - 64c^6 - 68c^5 - 12c^4)b + 12c^7 + 36c^6 + 36c^5 + 12c^4)a^4 + ((c^6 + 6c^5 + c^4)b^3 + (-2c^6 - 4c^5 - 2c^4)b^2)a^3)x_1$$
$$+ ax^6(ax^4 + ((-cb + 2c)a - cb^2)x^2 + (-c^2b + c^2)a)(256a^2x^6 + (27a^4 + (108b + 48c - 144)a^3 + (162b^2$$
$$+ (-96c - 288)b + 128c^2 + 256c + 128)a^2 + (108b^3 + (-144c - 144)b^2)a + 27b^4)x^4 + ((12c^2 + 18c)a^4 + ((42c^2 + 54c)b$$
$$+ 60c^3 - 28c^2 - 92c - 4)a^3 + ((48c^2 + 54c)b^2 + (-88c^3 - 184c^2 - 104c - 8)b + 16c^4 + 64c^3 + 96c^2 + 64c + 16)a^2$$
$$+ ((18c^2 + 18c)b^3 + (-4c^3 - 12c^2 - 12c - 4)b^2)a)x^2 + 4c^3a^5 + (12c^3b + 8c^4 - 20c^3 - c^2)a^4 + (12c^3b^2$$
$$+ (-20c^4 - 22c^3 - 2c^2)b + 4c^5 + 12c^4 + 12c^3 + 4c^2)a^3 + (4c^3b^3 + (-c^4 - 2c^3 - c^2)b^2)a^2),$$
$$(z + a)^2x_2 - xx_1^2 - (2ax^2 + (-a - c - 1)z^2 + (-2a^2 + (-c - 2)a)z - a^3 - a^2)x_1$$
$$- x(a^2x^2 - z^4 + (-3a + b)z^3 + (-3a^2 + (3b - c - 1)a)z^2 + (-a^3 + (3b - c - 2)a^2)z + (b - 1)a^3),$$
$$x_1 + (ax + (-z - a)y),$$

$$x_2 - ((y^2 - z^2 + (-a + b)z + a^2 + ba)x + ((-a - c - 1)z - a^2 - a)y),$$
$$x_3 + ((4z + a - 3b)yx^2 + ((2a + c + 3)y^2 + (-2a - 3c - 1)z^2 + (-2a^2 + (2b - c - 1)a + (2c + 1)b)z + a^3 + 2ba^2 + ba)x$$
$$+ (-z - a)y^3 + (z^3 + (2a - b)z^2 + ((-2b - c - 1)a - c^2 - 2c - 1)z - a^3 + (-b - 1)a^2 - a)y)$$
$$- --$$

$$y^4y_3^4 - 4y^3y_1y_2y_3^3 + 4(2a + 2c + 1)y^4y_2y_3^3 - 4(a + c + 1)y^3y_1^2y_3^3$$
$$- y^2(16y^4 + (-4a^2 + (-8c - 4)a - 4c^2 - 4c)y^2 - c^2b^2)y_1y_3^3$$
$$- y^3(16y^4 + ((c - 4)a^2 + (4cb - 8c)a + 3cb^2 - 4c^2)y^2 + c^2b^2a)y_3^3 + 6y^2y_1^2y_2^2y_3^2 - 12(2a + 2c + 1)y^3y_1y_2^2y_3^2$$
$$+ 2(11a^2 + (26c + 12)a + 11c^2 + 12c + 3)y^4y_2^2y_3^2 + 12(a + c + 1)y^2y_1^3y_2y_3^2$$
$$+ 2y(24y^4 + (-18a^2 + (-36c - 24)a - 18c^2 - 24c - 6)y^2 - c^2b^2)y_1^2y_2y_3^2$$
$$- y^2((96a + 96c)y^4 + (-20a^3 + (-79c - 20)a^2$$
$$+ (-18cb - 76c^2 - 56c - 12)a - 15cb^2 - 20c^3 - 20c^2 - 12c)y^2 - 6c^2b^2a + (-7c^3 - 3c^2)b^2)y_1y_2y_3^2$$
$$+ y^3((9a^2 + (18b - 96)a + 9b^2 - 96c - 48)y^4 + ((-7c + 20)a^3 + (-32cb - 4c^2 + 73c + 12)a^2 + (-25cb^2$$
$$+ (-26c^2 - 12c)b + 76c^2 + 24c)a + (-13c^2 - 9c)b^2 + 20c^3 + 12c^2)y^2 - 4c^2b^2a^2 + (-7c^3 - 3c^2)b^2a)y_2y_3^2$$
$$+ 6(a + c + 1)^2y^2y_1^4y_3^2 + 2(a + c + 1)y(24y^4 + (-6a^2 + (-12c - 6)a - 6c^2 - 6c)y^2 - c^2b^2)y_1^3y_3^2$$
$$+ y^2(96y^6 + (-40a^2 - 112ca - 40c^2 + 48)y^4 + (4a^4 + (27c - 4)a^3 + (24cb + 43c^2 + 7c - 8)a^2 + (21cb^2 + (16c^2$$
$$+ 18c)b + 24c^3 + 4c^2 - 8c)a + (-11c^2 + 15c)b^2 + 4c^4 - 4c^3 - 8c^2)y^2 + 3c^2b^2a^2 + (7c^3 + 4c^2)b^2a + (4c^4 + 5c^3)b^2)y_1^2y_3^2$$
$$+ y^3(192y^6 + (27a^3 + (54b + 15c - 71)a^2 + (27b^2 + (18c + 18)b - 224c - 48)a + (3c + 9)b^2 - 80c^2 - 48c)y^4$$
$$+ ((-4c + 8)a^4 + (-22cb - 5c^2 + 44c + 8)a^3 + (-18cb^2 + (-34c^2 - 8c)b - c^3 + 79c^2 + 40c)a^2 + ((-14c^2 - 4c)b^2$$
$$+ (-16c^3 - 10c^2)b + 48c^3 + 40c^2)a + (12c^3 - 24c^2)b^2 + 8c^4 + 8c^3)y^2 - c^2b^2a^3 + (-6c^3 - c^2)b^2a^2 + (-5c^3b^3 - 4c^4b^2)a - 4c^3b^4 + 4c^4b^2)y_1y_3^2$$
$$+ y^4(96y^6 + (27a^3 + (54b + 15c - 40)a^2 + (27b^2 + 18cb - 112c)a + 3cb^2 - 40c^2)y^4 + ((-4c + 4)a^4 + ((3c^2$$
$$- 22c)b - 5c^2 + 24c)a^3 + ((6c^2 - 18c)b^2 - 34c^2b - c^3 + 40c^2)a^2 + (3c^2b^3 - 14c^2b^2 - 16c^3b + 24c^3)a + 12c^3b^2$$
$$+ 4c^4)y^2 + (c^3 - c^2)b^2a^3 + (5c^3b^3 - 5c^3b^2)a^2 + (4c^3b^4 - 4c^4b^2)a)y_3^2$$
$$- 4yy_1^3y_2^3y_3 + 12(2a + 2c + 1)y^2y_1^2y_2^3y_3 - 4(11a^2 + (26c + 12)a + 11c^2 + 12c + 3)y^3y_1y_2^3y_3$$
$$+ 4(a + 3c + 1)(2a + 2c + 1)(3a + c + 1)y^4y_2^3y_3 - 12(a + c + 1)yy_1^4y_2^2y_3$$
$$- (48y^4 + (-60a^2 + (-120c - 84)a - 60c^2 - 84c - 24)y^2 - c^2b^2)y_1^3y_2^2y_3$$
$$+ y((192a + 192c + 48)y^4 + (-84a^3 + (-303c - 144)a^2$$
$$+ (-24cb - 300c^2 - 336c - 84)a - 21cb^2 - 84c^3 - 144c^2 - 84c - 12)y^2 - 7c^2b^2a + (-8c^3 - 4c^2)b^2)y_1^2y_2^2y_3$$
$$- y^2((194a^2 + (36b + 416c)a + 18b^2 + 176c^2 - 48)y^4 + (-28a^4 + (-206c - 28)a^3$$
$$+ (-76cb - 336c^2 - 170c - 28)a^2 + (-62cb^2 + (-88c^2 - 36c)b - 192c^3 - 164c^2 - 88c - 12)a$$
$$+ (-62c^2 - 30c)b^2 - 28c^4 - 28c^3 - 28c^2 - 12c)y^2 - 11c^2b^2a^2 + (-28c^3 - 12c^2)b^2a + (-15c^4 - 14c^3 - 3c^2)b^2)y_1y_2^2y_3$$
$$+ y^3((18a^3 + (36b + 54c - 158)a^2 + (18b^2 + (108c + 36)b - 416c - 192)a + (54c + 18)b^2 - 176c^2 - 192c - 48)y^4$$
$$+ ((-15c + 28)a^4 + (-64cb - 20c^2 + 178c + 40)a^3 + (-49cb^2 + (-164c^2 - 64c)b - 5c^3 + 320c^2 + 149c + 12)a^2$$
$$+ ((-90c^2 - 50c)b^2 + (-44c^3 - 52c^2 - 12c)b + 192c^3 + 152c^2 + 24c)a + (-21c^3 - 26c^2 - 9c)b^2 + 28c^4 + 40c^3 + 12c^2)y^2 - 5c^2b^2a^3$$

$$
\begin{aligned}
&+(-20c^3-8c^2)b^2a^2+(-15c^4-14c^3-3c^2)b^2a)y_2^2y_3\\
&-12(a+c+1)^2yy_1^5y_2y_3-2(a+c+1)(48y^4+(-24a^2+(-48c-30)a-24c^2-30c-6)y^2-c^2b^2)y_1^4y_2y_3\\
&-2y(96y^6+(-136a^2+(-304c-144)a-136c^2-144c)y^4+(24a^4+(123c+48)a^3+(30cb+195c^2+195c\\
&+36)a^2+(27cb^2+(22c^2+24c)b+120c^3+192c^2+96c+12)a+(-c^2+21c)b^2+24c^4+48c^3+36c^2+12c)y^2\\
&+5c^2b^2a^2+(11c^3+8c^2)b^2a+(6c^4+9c^3+2c^2)b^2)y_1^3y_2y_3\\
&+y^2((384a+384c-192)y^6+(-200a^3+(-144b-688c+76)a^2+(-72b^2+(-120c-72)b-640c^2+160c\\
&+288)a+(-72c-36)b^2-128c^3+112c^2+288c+96)y^4+(8a^5+(126c-32)a^4+(136cb+304c^2-20c-56)a^3\\
&+(114cb^2+(288c^2+140c)b+282c^3-16c^2-130c-16)a^2+((136c^2+112c)b^2+(128c^3+164c^2+36c)b+104c^4\\
&-48c^3-136c^2-16c)a+(-58c^3+104c^2+30c)b^2+8c^5-32c^4-56c^3-16c^2)y^2+10c^2b^2a^3+(41c^3+18c^2)b^2a^2\\
&+(7c^3b^3+(46c^4+48c^3+8c^2)b^2)a+6c^3b^4+(16c^5+26c^4+10c^3)b^2)y_1^2y_2y_3\\
&-y^3((72a^2+(144b-768)a+72b^2-768c-192)y^6+(-66a^4+(-132b-260c+238)a^3+(-66b^2\\
&+(-520c-36)b-74c^2+1190c+222)a^2+((-260c-18)b^2+(-148c^2-132c-36)b+1280c^2+672c+96)a+(-2c^2-42c-18)b^2\\
&+256c^3+240c^2+96c)y^4+((16c-16)a^5+(64cb+34c^2-192c-24)a^4+(48cb^2+(304c^2+36c)b+20c^3-526c^2\\
&-232c-16)a^3+((220c^2+20c)b^2+(264c^3+108c^2+16c)b+2c^4-542c^3-430c^2-80c)a^2+(36c^2b^3+(-16c^3\\
&+72c^2+8c)b^2+(36c^4-8c^3+20c^2)b-208c^4-240c^3-80c^2)a+12c^2b^4+(-32c^4+76c^3+48c^2)b^2-16c^5-24c^4\\
&-16c^3)y^2+2c^2b^2a^4+(24c^3+2c^2)b^2a^3+(20c^3b^3+(37c^4+12c^3+2c^2)b^2)a^2+(16c^3b^4+(28c^4+10c^3)b^3+(16c^5\\
&-8c^4)b^2)a+(16c^4+8c^3)b^4+(-16c^5-8c^4)b^2)y_1y_2y_3\\
&-y^4((72a^2+(144b-384)a+72b^2-384c-192)y^6+((9c-66)a^4+((45c-132)b-260c+74)a^3+((81c\\
&-66)b^2+(-520c-108)b-74c^2+610c+80)a^2+(63cb^3+(-260c-54)b^2+(-148c^2-36c)b+640c^2+224c)a\\
&+18cb^4+(-2c^2-6c)b^2+128c^3+80c^2)y^4+((16c-8)a^5+((-22c^2+64c)b+34c^2-96c-8)a^4+((-60c^2+48c)b^2\\
&+(-7c^3+286c^2+44c)b+20c^3-262c^2-48c)a^3+(-54c^2b^3+(-15c^3+172c^2+36c)b^2+(264c^3+68c^2)b+2c^4\\
&-270c^3-80c^2)a^2+(-16c^2b^4-6c^2b^3+(-16c^3+28c^2)b^2+(36c^4+32c^3)b-104c^4-48c^3)a+8c^3b^4\\
&+(-32c^4-24c^3)b^2-8c^5-8c^4)y^2+(-3c^3+2c^2)b^2a^4+(-13c^3b^3+(-3c^4+18c^3+2c^2)b^2)a^3+(-10c^3b^4+(-28c^4-10c^3)b^3+(34c^4\\
&+10c^3)b^2)a^2+((-16c^4-8c^3)b^4+(16c^5+8c^4)b^2)a)y_2y_3\\
&-4(a+c+1)^3yy_1^6y_3-(a+c+1)^2(48y^4+(-12a^2+(-24c-12)a-12c^2-12c)y^2-c^2b^2)y_1^5y_3\\
&-y((192a+192c+192)y^6+(-80a^3+(-304c-128)a^2+(-304c^2-320c)a-80c^3-128c^2+48)y^4+(8a^5\\
&+(59c+12)a^4+(36cb+134c^2+102c)a^3+(33cb^2+(56c^2+60c)b+131c^3+174c^2+51c-4)a^2+((2c^2+54c)b^2\\
&+(20c^3+44c^2+24c)b+56c^4+96c^3+48c^2+8c)a+(-15c^3-2c^2+21c)b^2+8c^5+12c^4-4c^2)y^2+3c^2b^2a^3+(10c^3\\
&+8c^2)b^2a^2+(-c^3b^3+(11c^4+18c^3+5c^2)b^2)a-c^3b^4+(4c^5+10c^4+6c^3)b^2)y_1^4y_3\\
&-y^2(256y^8+(-128a^2+(-512c+192)a-128c^2+192c+384)y^6+(70a^4+(108b+276c-40)a^3+(54b^2\\
&+(192c+144)b+382c^2-224c-206)a^2+((108c+72)b^2+(116c^2+120c+36)b+192c^3-272c^2-512c-96)a\\
&+(-58c^2+72c+18)b^2+16c^4-112c^3-224c^2-96c)y^4+((-24c+16)a^5+(-48cb-82c^2+48c+32)a^4+(-40cb^2\\
&+(-164c^2-64c)b-108c^3+92c^2+136c+16)a^3+((-105c^2-48c)b^2+(-160c^3-176c^2-16c)b-66c^4+108c^3+222c^2+64c)a^2\\
&+(-18c^2b^3+(40c^3-132c^2-8c)b^2+(-44c^4-88c^3-44c^2)b-16c^5+64c^4+144c^3+64c^2)a-9c^2b^4+(48c^4+28c^3\\
&-64c^2)b^2+16c^5+32c^4+16c^3)y^2-2c^2b^2a^4+(-13c^3-4c^2)b^2a^3+(-8c^3b^3+(-23c^4-21c^3-2c^2)b^2)a^2+(-7c^3b^4\\
&+(-6c^4-8c^3)b^3+(-16c^5-24c^4-8c^3)b^2)a+(4c^4-7c^3)b^4+(-4c^6-8c^5-4c^4)b^2)y_1^3y_3\\
&-y^3(768y^8+(144a^3+(288b+144c-312)a^2+(144b^2+(96c+144)b-1536c-192)a+(-48c+72)b^2\\
&-384c^2-192c+192)y^6+(-4a^5+(-8b-156c+90)a^4+(-4b^2+(-419c+84)b-156c^2+484c+70)a^3+((-317c\\
&+42)b^2+(-280c^2-136c+108)b-4c^3+1042c^2+362c-48)a^2+(-81cb^3+(20c^2-44c+54)b^2+(-88c^3+84c^2\\
&+12c)b+576c^3+368c^2-96c)a-27cb^4+(60c^3-118c^2+18c)b^2+48c^4+16c^3-48c^2)y^4+(4ca^6+(8cb+12c^2\\
&-48c+8)a^5+(4cb^2+(122c^2-32c)b+12c^3-194c^2-44c+8)a^4+((142c^2-32c)b^2+(193c^3-24c^2-36c)b\\
&+4c^4-292c^3-166c^2)a^3+(54c^2b^3+(33c^3+19c^2-32c)b^2+(88c^4-56c^3-68c^2)b-194c^4-162c^3-16c^2)a^2\\
&+(18c^2b^4+(16c^3+18c^2)b^3+(-72c^4+64c^3-44c^2)b^2+(-52c^4-64c^3)b-48c^5-40c^4)a+(8c^3+3c^2)b^4+(-4c^5\\
&+64c^4+64c^3)b^2+8c^5+8c^4)y^2+(6c^3-2c^2)b^2a^4+(11c^3b^3+(15c^4-c^3-2c^2)b^2)a^3+(9c^3b^4+(28c^4\\
&+12c^3)b^3+(13c^5-8c^4-10c^3)b^2)a^2+((16c^4+9c^3)b^4+(20c^5+22c^4)b^3+(4c^6-16c^5-20c^4)b^2)a+(-8c^5\\
&+20c^4)b^4+(-8c^6-12c^5)b^2)y_1^2y_3\\
&-y^4(768y^8+(-27a^4+(-108b+288)a^3+(-162b^2+576b+288c-312)a^2+(-108b^3+288b^2+(192c\\
&+144)b-1536c-192)a-27b^4+(-96c+72)b^2-384c^2-192c)y^6+((27c-8)a^5+((126c-16)b-303c+36)a^4\\
&+((216c-8)b^2+(18c^2-766c-24)b-312c^2+400c+48)a^3+(162cb^3+(48c^2-472c-12)b^2\\
&+(-560c^2-328c)b-8c^3+1012c^2+336c)a^2+(45cb^4+(42c^2-18c)b^3+(40c^2-152c)b^2+(-176c^3-32c^2)b+576c^3+336c^2)a\\
&+(12c^2-9c)b^4+(120c^3-60c^2)b^2+48c^4+48c^3)y^4+(8ca^6+((-18c^2+16c)b+24c^2-40c)a^5+((-53c^2+8c)b^2\\
&+(-18c^3+204c^2+16c)b+24c^3-176c^2-48c)a^4+(-52c^2b^3+(-46c^3+170c^2+8c)b^2+(370c^3+128c^2)b+8c^4\\
&-280c^3-144c^2)a^3+(-17c^2b^4-20c^3b^3+(c^4+34c^3+88c^2)b^2+(176c^4+104c^3)b-192c^4-144c^3)a^2+((8c^3\\
&+2c^2)b^4+(20c^4+16c^3)b^3+(-144c^4+24c^3)b^2-8c^4b-48c^5-48c^4)a+(-8c^4+16c^3)b^4+(-8c^5+16c^4)b^2)y^2
\end{aligned}
$$

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\begin{aligned}
&- c^3b^2a^5 + (-2c^3b^3 + (-2c^4 + 7c^3)b^2)a^4 + (-c^3b^4 + (-26c^4 - 2c^3)b^3 + (-c^5 + 24c^4 + 8c^3)b^2)a^3 \\
&+ ((-32c^4 - c^3)b^4 - 20c^5b^3 + (25c^5 + 12c^4)b^2)a^2 + (-12c^4b^5 + 8c^5b^4 + 20c^5b^3 + 8c^6b^2)a - 4c^4b^6 - 8c^5b^4 - 4c^6b^2)y_1y_3 \\
&- y^5(y^2 - ca)(256y^6 + (-27a^4 + (-108b + 144)a^3 + (-162b^2 + 288b + 144c - 128)a^2 + (-108b^3 + 144b^2 \\
&+ 96cb - 256c)a - 27b^4 - 48cb^2 - 128c^2)y^4 + (-4a^5 + ((18c - 8)b - 12c + 16)a^4 + ((54c - 4)b^2 + (18c^2 - 104c)b \\
&- 12c^2 + 64c)a^3 + (54cb^3 + (48c^2 - 92c)b^2 - 184c^2b - 4c^3 + 96c^2)a^2 + (18cb^4 + 42c^2b^3 - 28c^2b^2 - 88c^3b + 64c^3)a \\
&+ 12c^2b^4 + 60c^3b^2 + 16c^4)y^2 + c^2b^2a^4 + ((-4c^3 + 2c^2)b^3 + (2c^3 - 4c^2)b^2)a^3 + ((-12c^3 + c^2)b^4 + 22c^3b^3 + (c^4 \\
&- 12c^3)b^2)a^2 + (-12c^3b^5 + 20c^3b^4 + 20c^4b^3 - 12c^4b^2)a - 4c^3b^6 - 8c^4b^4 - 4c^5b^2)y_3 \\
&+ y_1^4y_2^4 - 4(2a + 2c + 1)yy_1^3y_2^4 + 2(11a^2 + (26c + 12)a + 11c^2 + 12c + 3)y^2y_1^2y_2^4 \\
&- 4(a + 3c + 1)(2a + 2c + 1)(3a + c + 1)y^3y_1y_2^4 + (a + 3c + 1)^2(3a + c + 1)^2y^4y_2^4 + 4(a + c + 1)y_1^5y_2^3 \\
&+ 4y(4y^2 - 7a^2 + (-14c - 10)a - 7c^2 - 10c - 3)y_1^4y_2^3 \\
&- ((96a + 96c + 32)y^4 + (-64a^3 + (-225c - 120)a^2 \\
&+ (-10cb - 224c^2 - 272c - 72)a - 9cb^2 - 64c^3 - 120c^2 - 72c - 12)y^2 - 2c^2b^2a + (-c^3 - c^2)b^2)y_1^3y_2^3 \\
&+ y((185a^2 + (18b + 416c + 96)a + 9b^2 + 176c^2 + 96c)y^4 + (-52a^4 + (-327c - 116)a^3 \\
&+ (-44cb - 540c^2 - 495c - 108)a^2 + (-37cb^2 + (-62c^2 - 24c)b - 320c^3 - 492c^2 - 264c - 40)a \\
&+ (-49c^2 - 21c)b^2 - 52c^4 - 116c^3 - 108c^2 - 40c - 4)y^2 - 6c^2b^2a^2 + (-15c^3 - 7c^2)b^2a + (-6c^4 - 8c^3 - 2c^2)b^2)y_1^2y_2^3 \\
&- y^2((114a^3 + (36b + 470c + 18)a^2 + (18b^2 + (108c + 36)b + 416c^2 - 96)a + (54c + 18)b^2 + 96c^3 - 96c - 32)y^4 \\
&+ (-12a^5 + (-139c - 12)a^4 + (-70cb - 396c^2 - 126c - 8)a^3 + (-55cb^2 + (-200c^2 - 76c)b - 381c^3 - 272c^2 - 91c - 12)a^2 \\
&+ ((-126c^2 - 62c)b^2 + (-98c^3 - 88c^2 - 18c)b - 124c^4 - 112c^3 - 88c^2 - 40c - 4)a \\
&+ (-75c^3 - 62c^2 - 15c)b^2 - 12c^5 - 12c^4 - 8c^3 - 12c^2 - 4c)y^2 - 6c^2b^2a^3 + (-27c^3 - 11c^2)b^2a^2 + (-30c^4 - 28c^3 - 6c^2)b^2a \\
&+ (-9c^5 - 15c^4 - 7c^3 - c^2)b^2)y_1y_2^3 + y^3((9a^4 + (18b + 54c - 78)a^3 + (9b^2 + (108c + 36)b + 81c^2 - 362c - 167)a^2 + ((54c + 18)b^2 + (162c^2 + 108c \\
&+ 18)b - 416c^2 - 416c - 96)a + (81c^2 + 54c + 9)b^2 - 96c^3 - 176c^2 - 96c - 16)y^4 + ((-9c + 12)a^5 + (-36cb - 24c^2 \\
&+ 109c + 28)a^4 + (-27cb^2 + (-190c^2 - 64c)b - 13c^3 + 356c^2 + 185c + 20)a^3 + ((-85c^2 - 49c)b^2 \\
&+ (-168c^3 - 164c^2 - 32c)b - 2c^4 + 371c^3 + 324c^2 + 75c + 4)a^2 + ((-101c^3 - 90c^2 - 25c)b^2 + (-22c^4 - 44c^3 - 26c^2 - 4c)b + 124c^4 + 192c^3 \\
&+ 76c^2 + 8c)a + (-11c^4 - 21c^3 - 13c^2 - 3c)b^2 + 12c^5 + 28c^4 + 20c^3 + 4c^2)y^2 - 2c^2b^2a^4 + (-13c^3 - 5c^2)b^2a^3 \\
&+ (-24c^4 - 20c^3 - 4c^2)b^2a^2 + (-9c^5 - 15c^4 - 7c^3 - c^2)b^2a)y_2^3 \\
&+ 6(a + c + 1)^2y_1^6y_2^2 + 12(a + c + 1)y(4y^2 - 3a^2 + (-6c - 4)a - 3c^2 - 4c - 1)y_1^5y_2^2 \\
&+ (96y^6 + (-232a^2 + (-496c - 288)a - 232c^2 - 288c - 48)y^4 + (66a^4 + (315c + 168)a^3 + (36cb + 495c^2 + 603c \\
&+ 156)a^2 + (33cb^2 + (28c^2 + 30c)b + 312c^3 + 600c^2 + 360c + 60)a + (9c^2 + 27c)b^2 + 66c^4 + 168c^3 + 156c^2 + 60c + 6)y^2 \\
&+ 5c^2b^2a^2 + (7c^3 + 8c^2)b^2a + (2c^4 + 5c^3 + 2c^2)b^2)y_1^4y_2^2 \\
&- y((384a + 384c)y^6 + (-349a^3 + (-90b - 1265c - 363)a^2 + (-45b^2 + (-102c - 54)b - 1232c^2 - 864c)a \\
&+ (-69c - 27)b^2 - 304c^3 - 336c^2 + 48)y^4 + (36a^5 + (342c + 72)a^4 + (126cb + 819c^2 + 600c + 72)a^3 + (108cb^2 + (302c^2 + 156c)b + 801c^3 \\
&+ 1023c^2 + 414c + 48)a^2 + ((178c^2 + 132c)b^2 + (148c^3 + 202c^2 + 48c)b + 324c^4 + 576c^3 + 408c^2 + 144c + 12)a + (14c^3 \\
&+ 136c^2 + 42c)b^2 + 36c^5 + 72c^4 + 72c^3 + 48c^2 + 12c)y^2 + 11c^2b^2a^3 + (41c^3 + 23c^2)b^2a^2 + (2c^3b^3 + (40c^4 + 60c^3 \\
&+ 14c^2)b^2)a + 2c^3b^4 + (10c^5 + 28c^4 + 16c^3 + 2c^2)b^2)y_1^3y_2^2 \\
&+ y^2((424a^2 + (144b + 832c - 384)a + 72b^2 + 352c^2 - 384c - 192)y^6 + (-172a^4 + (-168b - 1068c + 111)a^3 \\
&+ (-84b^2 + (-712c - 162)b - 1552c^2 + 399c + 412)a^2 + ((-380c - 81)b^2 + (-400c^2 - 342c - 72)b - 736c^3 + 576c^2 \\
&+ 1024c + 288)a + (-200c^2 - 165c - 36)b^2 - 88c^4 + 192c^3 + 448c^2 + 288c + 48)y^4 + (4a^6 + (111c - 28)a^5 + (144cb \\
&+ 449c^2 - 123c - 72)a^4 + (113cb^2 + (649c^2 + 220c)b + 653c^3 - 119c^2 - 335c - 52)a^3 + ((401c^2 + 171c)b^2 + (680c^3 \\
&+ 586c^2 + 116c)b + 387c^4 - 168c^3 - 467c^2 - 137c - 8)a^2 + (33c^2b^3 + (175c^3 + 336c^2 + 91c)b^2 + (184c^4 + 274c^3 \\
&+ 148c^2 + 18c)b + 80c^5 - 172c^4 - 360c^3 - 140c^2 - 8c)a + 12c^2b^4 + (-27c^4 + 153c^3 + 115c^2 + 15c)b^2 + 4c^6 - 28c^5 \\
&- 72c^4 - 52c^3 - 8c^2)y^2 + 7c^2b^2a^4 + (51c^3 + 17c^2)b^2a^3 + (12c^3b^3 + (90c^4 + 81c^3 + 15c^2)b^2)a^2 + (10c^3b^4 + (15c^4 \\
&+ 7c^3)b^3 + (59c^5 + 96c^4 + 41c^3 + 4c^2)b^2)a + (14c^4 + 6c^3)b^4 + (12c^6 + 33c^5 + 22c^4 + 5c^3)b^2)y_1^2y_2^2 \\
&- y^3((72a^3 + (144b + 216c - 704)a^2 + (72b^2 + 432cb - 1664c - 384)a + 216cb^2 - 704c^2 - 384c)y^6 + (-39a^5 \\
&+ (-78b - 330c + 167)a^4 + (-39b^2 + (-643c - 18)b - 425c^2 + 1382c + 249)a^3 + ((-358c - 9)b^2 + (-1130c^2 - 132c + 18)b \\
&- 143c^3 + 2659c^2 + 1221c + 151)a^2 + (-63cb^3 + (-489c^2 - 42c + 9)b^2 + (-242c^3 - 234c^2 - 114c - 18)b + 1472c^3 \\
&+ 1296c^2 + 448c + 48)a - 18cb^4 + (-27c^3 - 45c^2 - 39c - 9)b^2 + 176c^4 + 240c^3 + 160c^2 + 48c)y^4 + ((12c - 8)a^6 + (42cb \\
&+ 49c^2 - 148c - 16)a^5 + (30cb^2 + (410c^2 + 28c)b + 51c^3 - 723c^2 - 244c - 16)a^4 + ((274c^2 + 16c)b^2 + (733c^3 \\
&+ 234c^2 + 14c)b + 15c^4 - 1202c^3 - 867c^2 - 188c - 8)a^3 + (84c^2b^3 + (343c^3 + 104c^2 + 2c)b^2 + (314c^4 + 88c^3 + 74c^2 \\
&+ 8c)b + c^5 - 759c^4 - 879c^3 - 351c^2 - 40c)a^2 + (28c^2b^4 + (90c^3 + 36c^2)b^3 + (-22c^4 + 112c^3 + 58c^2 + 4c)b^2 + (20c^5 \\
&- 82c^4 - 24c^3 + 10c^2)b - 160c^5 - 256c^4 - 192c^3 - 40c^2)a + (4c^3 + 12c^2)b^4 + (-20c^5 + 28c^4 + 88c^3 + 24c^2)b^2 - 8c^6 \\
&- 16c^5 - 16c^4 - 8c^3)y^2 + c^2b^2a^5 + (19c^3 + c^2)b^2a^4 + (18c^3b^3 + (57c^4 + 14c^3 + c^2)b^2)a^3 + (14c^3b^4 + (56c^4 \\
&+ 20c^3)b^3 + (51c^5 + 20c^4 + 6c^3 + c^2)b^2)a^2 + ((32c^4 + 16c^3)b^4 + (31c^5 + 28c^4 + 5c^3)b^3 + (12c^6 - 16c^5 - 12c^4)b^2)a \\
&+ (20c^5 + 16c^4 + 4c^3)b^4 + (-12c^6 - 16c^5 - 4c^4)b^2)y_1y_2^2 \\
&- y^4((72a^3 + (144b + 216c - 280)a^2 + (72b^2 + (432c + 144)b - 832c - 384)a + (216c + 72)b^2 - 352c^2 - 384c
\end{aligned}
$$

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\begin{aligned}
&- 96)y^6 + ((9c - 39)a^5 + ((45c - 78)b + 18c^2 - 312c + 22)a^4 + ((81c - 39)b^2 + (153c^2 - 553c - 132)b - 425c^2 + 476c \\
&+ 101)a^3 + (63cb^3 + (270c^2 - 196c - 66)b^2 + (-1130c^2 - 520c - 54)b - 143c^3 + 1350c^2 + 625c + 40)a^2 + (18cb^4 \\
&+ (153c^2 + 63c)b^3 + (-489c^2 - 260c - 27)b^2 + (-242c^3 - 148c^2 - 18c)b + 736c^3 + 640c^2 + 112c)a + (18c^2 + 18c)b^4 \\
&+ (-27c^3 - 2c^2 - 3c)b^2 + 88c^4 + 128c^3 + 40c^2)y^4 + ((12c - 4)a^6 + ((-27c^2 + 42c)b + 49c^2 - 64c - 8)a^5 + ((-70c^2 + 30c)b^2 + (-31c^3 \\
&+ 360c^2 + 64c)b + 51c^3 - 346c^2 - 100c - 4)a^4 + (-59c^2b^3 + (-151c^3 + 130c^2 + 48c)b^2 + (-4c^4 + 707c^3 + 289c^2 \\
&+ 22c)b + 15c^4 - 588c^3 - 267c^2 - 24c)a^3 + (-16c^2b^4 + (-128c^3 - 54c^2)b^3 + (-c^4 + 223c^3 + 178c^2 + 18c)b^2 + (314c^4 \\
&+ 264c^3 + 34c^2)b + c^5 - 378c^4 - 271c^3 - 40c^2)a^2 + ((-8c^3 - 16c^2)b^4 + (19c^4 - 3c^2)b^3 + (-22c^4 - 16c^3 + 14c^2)b^2 \\
&+ (20c^5 + 36c^4 + 16c^3)b - 80c^5 - 104c^4 - 24c^3)a + (16c^4 + 8c^3)b^4 + (-20c^5 - 32c^4 - 12c^3)b^2 - 4c^6 - 8c^5 - 4c^4)y^2 \\
&+ (-2c^3 + c^2)b^2a^5 + (-8c^3b^3 + (-5c^4 + 12c^3 + 2c^2)b^2)a^4 + (-6c^3b^4 + (-41c^4 - 13c^3)b^3 + (-2c^5 + 48c^4 + 19c^3 \\
&+ c^2)b^2)a^3 + ((-18c^4 - 10c^3)b^4 + (-31c^5 - 28c^4 - 5c^3)b^3 + (49c^5 + 34c^4 + 5c^3)b^2)a^2 + ((-20c^5 - 16c^4 - 4c^3)b^4 \\
&+ (12c^6 + 16c^5 + 4c^4)b^2)a)y_2^2 \\
&+ 4(a + c + 1)^3y_1^7y_2 + 4(a + c + 1)^2y(12y^2 - 5a^2 + (-10c - 6)a - 5c^2 - 6c - 1)y_1^6y_2 \\
&+ ((192a + 192c + 192)y^6 + (-176a^3 + (-592c - 368)a^2 + (-592c^2 - 800c - 192)a - 176c^3 - 368c^2 - 192c)y^4 \\
&+ (28a^5 + (175c + 84)a^4 + (42cb + 382c^2 + 438c + 96)a^3 + (39cb^2 + (68c^2 + 72c)b + 379c^3 + 702c^2 + 387c + 52)a^2 \\
&+ ((22c^2 + 66c)b^2 + (26c^3 + 56c^2 + 30c)b + 172c^4 + 432c^3 + 384c^2 + 136c + 12)a + (-c^3 + 18c^2 + 27c)b^2 + 28c^5 + 84c^4 \\
&+ 96c^3 + 52c^2 + 12c)y^2 + 4c^2b^2a^3 + (9c^3 + 11c^2)b^2a^2 + (-c^3b^3 + (6c^4 + 16c^3 + 8c^2)b^2)a - c^3b^4 + (c^5 + 5c^4 + 5c^3 + c^2)b^2)y_1^5y_2 \\
&+ y(256y^8 + (-512a^2 + (-1280c - 384)a - 512c^2 - 384c + 192)y^6 + (207a^4 + (126b + 1062c + 250)a^3 + (63b^2 \\
&+ (276c + 180)b + 1671c^2 + 1058c - 101)a^2 + ((174c + 90)b^2 + (182c^2 + 204c + 54)b + 960c^3 + 992c^2 - 128c - 192)a \\
&+ (15c^2 + 138c + 27)b^2 + 144c^4 + 160c^3 - 128c^2 - 192c - 48)y^4 + (-8a^6 + (-143c + 4)a^5 + (-108cb - 476c^2 - 221c \\
&+ 36)a^4 + (-93cb^2 + (-386c^2 - 204c)b - 667c^3 - 632c^2 - 69c + 28)a^3 + ((-224c^2 - 171c)b^2 \\
&+ (-392c^3 - 524c^2 - 120c)b - 446c^4 - 599c^3 - 180c^2 + c + 4)a^2 + (-18c^2b^3 + (-23c^3 - 314c^2 - 99c)b^2 + (-114c^4 - 264c^3 - 174c^2 - 24c)b \\
&- 128c^5 - 188c^4 - 48c^3 + 4c^2 - 8c)a - 9c^2b^4 + (35c^4 - 15c^3 - 127c^2 - 21c)b^2 - 8c^6 + 4c^5 + 36c^4 + 28c^3 + 4c^2)y^2 - 6c^2b^2a^4 \\
&+ (-31c^3 - 17c^2)b^2a^3 + (-4c^3b^3 + (-48c^4 - 74c^3 - 16c^2)b^2)a^2 + (-4c^3b^4 + (2c^4 - 4c^3)b^3 + (-27c^5 - 79c^4 - 49c^3 - 5c^2)b^2)a \\
&+ (5c^4 - 4c^3)b^4 + (-4c^6 - 22c^5 - 24c^4 - 6c^3)b^2)y_1^4y_2 \\
&- y^2((512a + 512c - 512)y^8 + (-408a^3 + (-432b - 1560c + 560)a^2 + (-216b^2 + (-336c - 288)b - 1344c^2 \\
&+ 1664c + 1152)a + (-120c - 144)b^2 - 192c^3 + 704c^2 + 1152c + 192)y^6 + (86a^5 + (140b + 818c - 144)a^4 + (70b^2 \\
&+ (1111c + 192)b + 1674c^2 - 672c - 476)a^3 + ((683c + 96)b^2 + (1316c^2 + 1064c + 72)b + 1262c^3 - 1488c^2 - 2032c \\
&- 318)a^2 + (81cb^3 + (370c^2 + 520c + 36)b^2 + (532c^3 + 552c^2 + 240c + 36)b + 336c^4 - 1216c^3 - 2176c^2 - 864c - 96)a \\
&+ 27cb^4 + (-66c^3 + 312c^2 + 96c + 18)b^2 + 16c^5 - 240c^4 - 512c^3 - 336c^2 - 96c)y^4 + ((-36c + 16)a^6 + (-76cb - 206c^2 \\
&+ 168c + 40)a^5 + (-56cb^2 + (-572c^2 - 120c)b - 418c^3 + 412c^2 + 444c + 40)a^4 + ((-435c^2 - 80c)b^2 \\
&+ (-987c^3 - 690c^2 - 64c)b - 378c^4 + 560c^3 + 992c^2 + 312c + 16)a^3 + (-102c^2b^3 + (-310c^3 - 468c^2 - 36c)b^2 \\
&+ (-604c^4 - 736c^3 - 240c^2 - 16c)b - 146c^5 + 492c^4 + 1020c^3 + 494c^2 + 64c)a^2 + (-39c^2b^4 + (-94c^3 - 66c^2)b^3 + (132c^4 - 264c^3 - 176c^2 - 8c)b^2 \\
&+ (-104c^5 - 184c^4 - 112c^3 - 44c^2)b - 16c^6 + 208c^5 + 472c^4 + 320c^3 + 64c^2)a + (-19c^3 - 24c^2)b^4 + (60c^5 + 32c^4 - 168c^3 - 64c^2)b^2 + 16c^6 + 40c^5 + 40c^4 \\
&+ 16c^3)y^2 - 2c^2b^2a^5 + (-29c^3 - 4c^2)b^2a^4 + (-19c^3b^3 + (-74c^4 - 53c^3 - 4c^2)b^2)a^3 + (-16c^3b^4 + (-44c^4 - 28c^3)b^3 \\
&+ (-75c^5 - 107c^4 - 29c^3 - 2c^2)b^2)a^2 + ((-25c^4 - 23c^3)b^4 + (-14c^5 - 38c^4 - 8c^3)b^3 + (-32c^6 - 80c^5 - 40c^4 - 8c^3)b^2)a + (8c^5 - 29c^4 - 7c^3)b^4 \\
&+ (-4c^7 - 20c^6 - 16c^5 - 4c^4)b^2)y_1^3y_2 + y^3((144a^2 + (288b - 1536)a + 144b^2 - 1536c)y^8 + (-183a^4 + (-420b - 856c + 720)a^3 + (-318b^2 + (-1424c \\
&+ 288)b - 412c^2 + 3888c + 328)a^2 + (-108b^3 + (-568c + 144)b^2 + (-536c^2 - 288c + 144)b + 4032c^2 + 1024c - 384)a \\
&- 27b^4 + (20c^2 - 144c + 72)b^2 + 576c^3 + 256c^2 - 384c - 192)y^6 + (4a^6 + (8b + 284c - 106)a^5 + (4b^2 + (710c - 116)b \\
&+ 705c^2 - 1156c - 88)a^4 + ((642c - 58)b^2 + (2046c^2 - 490c - 240)b + 376c^3 - 3526c^2 - 948c + 74)a^3 + (306cb^3 \\
&+ (1184c^2 - 252c - 120)b^2 + (1184c^3 - 92c^2 - 688c - 108)b + 68c^4 - 3418c^3 - 1816c^2 + 262c + 48)a^2 + (90cb^4 + (306c^2 \\
&+ 126c)b^3 + (-48c^3 + 218c^2 - 380c - 54)b^2 + (152c^4 - 492c^3 - 216c^2 - 12c)b - 1008c^4 - 640c^3 + 256c^2 + 96c)a + (51c^2 \\
&+ 36c)b^4 + (-72c^4 + 126c^3 - 24c^2 - 18c)b^2 - 48c^5 + 32c^4 + 128c^3 + 48c^2)y^4 + (-4ca^7 + (-8cb - 28c^2 + 60c - 8)a^6 \\
&+ (-4cb^2 + (-256c^2 + 60c)b - 48c^3 + 446c^2 + 4c - 16)a^5 + ((-267c^2 + 48c)b^2 + (-764c^3 + 178c^2 + 104c)b - 28c^4 \\
&+ 1074c^3 + 424c^2 - 60c - 8)a^4 + (-158c^2b^3 + (-594c^3 + 93c^2 + 84c)b^2 + (-668c^4 + 300c^3 + 348c^2 + 36c)b - 4c^5 \\
&+ 1074c^4 + 828c^3 + 86c^2)a^3 + (-51c^2b^4 + (-276c^3 - 120c^2)b^3 + (-95c^4 - 189c^3 + 253c^2 + 32c)b^2 + (-152c^5 + 492c^4 \\
&+ 520c^3 + 68c^2)b + 434c^5 + 396c^4 + 82c^3 + 16c^2)a^2 + ((-22c^3 - 35c^2)b^4 + (-26c^4 - 102c^3 - 18c^2)b^3 + (100c^5 \\
&- 148c^4 - 40c^3 + 44c^2)b^2 + (168c^5 + 240c^4 + 64c^3)b + 48c^6 - 16c^5 - 64c^4)a + (8c^4 + 3c^3 - 3c^2)b^4 + (4c^6 - 76c^5 \\
&- 116c^4 - 64c^3)b^2 - 8c^6 - 16c^5 - 8c^4)y^2 + (-8c^3 + 2c^2)b^2a^5 + (-16c^3b^3 + (-37c^4 + 11c^3 + 4c^2)b^2)a^4 + (-12c^3b^4 \\
&+ (-88c^4 - 28c^3)b^3 + (-54c^5 + 15c^4 + 29c^3 + 2c^2)b^2)a^3 + ((-61c^4 - 21c^3)b^4 + (-102c^5 - 96c^4 - 12c^3)b^3 + (-29c^6 + 34c^5 \\
&+ 66c^4 + 10c^3)b^2)a^2 + (-10c^4b^5 + (-24c^5 - 55c^4 - 9c^3)b^4 + (-32c^6 - 68c^5 - 22c^4)b^3 + (-4c^7 + 36c^6 + 80c^5 \\
&+ 20c^4)b^2)a - 4c^4b^6 + (8c^6 - 40c^5 - 20c^4)b^4 + (8c^7 + 28c^6 + 12c^5)b^2)y_1^2y_2 \\
&+ y^4((288a^2 + (576b - 1536)a + 288b^2 - 1536c - 512)y^8 + (27a^5 + (108b + 171c - 312)a^4 + (162b^2 + (558c \\
&- 624)b - 1712c + 360)a^3 + (108b^3 + (648c - 312)b^2 + (-2848c - 432)b - 824c^2 + 3528c + 504)a^2 + (27b^4 + 306cb^3 \\
&+ (-1136c - 216)b^2 + (-1072c^2 - 720c - 144)b + 4032c^2 + 1920c + 192)a + 45cb^4 + (40c^2 - 216c - 72)b^2 + 576c^3 + 576c^2
\end{aligned}
$$

$$+ 192c)y^6 + ((-39c + 8)a^6 + ((-162c + 16)b - 51c^2 + 487c - 32)a^5 + ((-252c + 8)b^2 + (-556c^2 + 1006c + 32)b - 12c^3$$
$$+ 1365c^2 - 545c - 68)a^4 + (-174cb^3 + (-1050c^2 + 528c + 16)b^2 + (-214c^3 + 3546c^2 + 878c + 24)b + 752c^3 - 2880c^2$$
$$- 912c - 48)a^3 + (-45cb^4 + (-636c^2 + 18c)b^3 + (-258c^3 + 1312c^2 + 424c + 12)b^2 + (2368c^3 + 1504c^2 + 328c)b$$
$$+ 136c^4 - 3336c^3 - 2228c^2 - 336c)a^2 + ((-91c^2 + 9c)b^4 + (-48c^3 - 42c^2 + 18c)b^3 + (-96c^3 + 568c^2 + 152c)b^2$$
$$+ (304c^4 + 128c^3 + 32c^2)b - 1008c^4 - 1088c^3 - 336c^2)a + (8c^3 + 3c^2 + 9c)b^4 + (-144c^4 + 60c^2)b^2 - 48c^5 - 80c^4$$
$$- 48c^3)y^4 + (-8ca^7 + ((30c^2 - 16c)b - 56c^2 + 36c)a^6 + ((77c^2 - 8c)b^2 + (78c^3 - 384c^2 - 24c)b - 96c^3 + 372c^2$$
$$+ 72c)a^5 + (64c^2b^3 + (357c^3 - 178c^2 - 12c)b^2 + (30c^4 - 1372c^3 - 420c^2 - 16c)b - 56c^4 + 996c^3 + 496c^2 + 48c)a^4$$
$$+ (17c^2b^4 + (322c^3 + 12c^2)b^3 + (201c^4 - 510c^3 - 202c^2 - 8c)b^2 + (-1308c^4 - 826c^3 - 128c^2)b - 8c^5 + 1044c^4 + 856c^3$$
$$+ 144c^2)a^3 + ((47c^3 - 2c^2)b^4 - 40c^4b^3 + (-13c^5 - 18c^4 - 290c^3 - 88c^2)b^2 + (-304c^5 - 200c^4 - 104c^3)b + 432c^5$$
$$+ 512c^4 + 144c^3)a^2 + ((-40c^4 - 14c^3 - 2c^2)b^4 + (-32c^5 - 84c^4 - 16c^3)b^3 + (200c^5 + 56c^4 - 24c^3)b^2 + (64c^5$$
$$+ 8c^4)b + 48c^6 + 80c^5 + 48c^4)a - 4c^3b^6 + (8c^5 - 16c^4 - 16c^3)b^4 + (8c^6 - 12c^5 - 16c^4)b^2)y^2 + c^3b^2a^6 + (2c^3b^3$$
$$+ (5c^4 - 7c^3)b^2)a^5 + (c^3b^4 + (48c^4 + 2c^3)b^3 + (5c^5 - 53c^4 - 11c^3)b^2)a^4 + ((47c^4 + c^3)b^4 + (94c^5 + 22c^4$$
$$+ 2c^3)b^3 + (c^6 - 97c^5 - 56c^4 - 8c^3)b^2)a^3 + (24c^4b^5 + (66c^5 + 15c^4 + c^3)b^4 + (32c^6 - 20c^5)b^3$$
$$+ (-57c^6 - 49c^5 - 12c^4)b^2)a^2 + (8c^4b^6 + (32c^5 + 12c^4)b^5 + (-8c^6 + 8c^5)b^4 + (-32c^6 - 20c^5)b^3 - 8c^7b^2)a + (4c^5 + 4c^4)b^6 + (8c^6$$
$$+ 8c^5)b^4 + (4c^7 + 4c^6)b^2)y_1y_2$$
$$+ y^5((144a^2 + (288b - 512)a + 144b^2 - 512c - 256)y^8 + (27a^5 + (108b + 171c - 129)a^4 + (162b^2 + (558c$$
$$- 204)b - 856c + 48)a^3 + (108b^3 + (648c + 6)b^2 + (-1424c - 288)b - 412c^2 + 1200c + 128)a^2 + (27b^4 + (306c$$
$$+ 108)b^3 + (-568c - 144)b^2 + (-536c^2 - 96c)b + 1344c^2 + 512c)a + (45c + 27)b^4 + (20c^2 + 48c)b^2 + 192c^3$$
$$+ 128c^2)y^6 + ((-39c + 4)a^6 + ((18c^2 - 162c + 8)b - 51c^2 + 221c - 12)a^5 + ((72c^2 - 252c + 4)b^2 + (-556c^2 + 386c + 8)b$$
$$- 12c^3 + 696c^2 - 180c - 16)a^4 + ((108c^2 - 174c)b^3 + (-1050c^2 + 48c + 4)b^2 + (-214c^3 + 1806c^2 + 392c)b + 376c^3$$
$$- 1028c^2 - 192c)a^3 + ((72c^2 - 45c)b^4 + (-636c^2 - 162c)b^3 + (-258c^3 + 668c^2 + 236c)b^2 + (1184c^3 + 280c^2)b$$
$$+ 68c^4 - 1180c^3 - 352c^2)a^2 + (18c^2b^5 + (-91c^2 - 45c)b^4 + (-48c^3 - 42c^2)b^3 + (-48c^3 - 20c^2)b^2 + (152c^4$$
$$+ 88c^3)b - 336c^4 - 192c^3)a + (8c^3 - 12c^2)b^4 + (-72c^4 - 60c^3)b^2 - 16c^5 - 16c^4)y^4 + (-4ca^7 + ((30c^2 - 8c)b - 28c^2$$
$$+ 12c)a^6 + ((-16c^3 + 77c^2 - 4c)b^2 + (78c^3 - 182c^2 - 8c)b - 48c^3 + 132c^2 + 16c)a^5 + ((-44c^3 + 64c^2)b^3 + (2c^4$$
$$+ 345c^3 - 51c^2 - 4c)b^2 + (30c^4 - 670c^3 - 104c^2)b - 28c^4 + 340c^3 + 64c^2)a^4 + ((-36c^3 + 17c^2)b^4 + (28c^4 + 294c^3$$
$$+ 52c^2)b^3 + (201c^4 - 218c^3 - 88c^2)b^2 + (-648c^4 - 184c^3)b - 4c^5 + 348c^4 + 96c^3)a^3 + (-4c^3b^5 + (54c^4 + 35c^3$$
$$+ 17c^2)b^4 + (-40c^4 + 20c^3)b^3 + (-13c^5 + 75c^4 - 16c^3)b^2 + (-152c^5 - 88c^4)b + 144c^5 + 64c^4)a^2 + (4c^3b^6 + (32c^4$$
$$+ 12c^3)b^5 + (-40c^4 - 8c^3)b^4 + (-32c^5 - 20c^4)b^3 + (100c^5 + 72c^4)b^2 + 16c^6 + 16c^5)a + (4c^4 + 4c^3)b^6 + (8c^5 + 8c^4)b^4$$
$$+ (4c^6 + 4c^5)b^2)y^2 + c^3b^2a^6 + ((-6c^4 + 2c^3)b^3 + (5c^4 - 3c^3)b^2)a^5 + ((-16c^4 + c^3)b^4 + (-6c^5 + 36c^4 + 2c^3)b^3$$
$$+ (5c^5 - 26c^4 - 4c^3)b^2)a^4 + (-14c^4b^5 + (-34c^5 + 11c^4 + c^3)b^4 + (88c^5 + 22c^4)b^3 + (c^6 - 47c^5 - 12c^4)b^2)a^3$$
$$+ (-4c^4b^6 + (-32c^5 - 12c^4)b^5 + (32c^5 + 20c^4)b^4 + (32c^6 + 20c^5)b^3 + (-28c^6 - 12c^5)b^2)a^2 + ((-4c^5 - 4c^4)b^6$$
$$+ (-8c^6 - 8c^5)b^4 + (-4c^7 - 4c^6)b^2)a)y_2$$
$$+ (a + c + 1)^4y_1^8 + 4(a + c + 1)^3y(4y^2 - a^2 + (-2c - 1)a - c^2 - c)y_1^7$$
$$+ ((96a^2 + (192c + 192)a + 96c^2 + 192c + 96)y^6 + (-40a^4 + (-192c - 112)a^3 + (-304c^2 - 400c - 88)a^2$$
$$+ (-192c^3 - 400c^2 - 208c)a - 40c^4 - 112c^3 - 88c^2 + 16)y^4 + (4a^6 + (33c + 12)a^5 + (16cb + 95c^2 + 95c + 12)a^4 + (15cb^2 + (40c^2 + 42c)b + 131c^3$$
$$+ 222c^2 + 99c + 4)a^3 + ((13c^2 + 39c)b^2 + (32c^3 + 68c^2 + 36c)b + 93c^4 + 219c^3 + 171c^2 + 45c)a^2 + ((-3c^3 + 22c^2 + 33c)b^2 + (8c^4$$
$$+ 26c^3 + 28c^2 + 10c)b + 32c^5 + 92c^4 + 96c^3 + 44c^2 + 8c)a + (-c^4 - c^3 + 9c^2 + 9c)b^2 + 4c^6 + 12c^5 + 12c^4 + 4c^3)y^2$$
$$+ c^2b^2a^4 + (3c^3 + 4c^2)b^2a^3 + (-c^3b^3 + (3c^4 + 9c^3 + 5c^2)b^2)a^2 + (-c^3b^4 + (-c^4 - c^3)b^3 + (c^5 + 6c^4 + 7c^3 + 2c^2)b^2)a$$
$$- c^3b^4 + (c^5 + 2c^4 + c^3)b^2)y_1^6$$
$$+ y((256a + 256c + 256)y^8 + (-128a^3 + (-640c - 128)a^2 + (-640c^2 - 512c + 192)a - 128c^3 - 128c^2 + 192c$$
$$+ 192)y^6 + (43a^5 + (54b + 277c + 47)a^4 + (27b^2 + (174c + 126)b + 601c^2 + 294c - 83)a^3 + ((105c + 63)b^2 + (218c^2$$
$$+ 276c + 90)b + 559c^3 + 455c^2 - 223c - 135)a^2 + ((c^2 + 174c + 45)b^2 + (98c^3 + 182c^2 + 102c + 18)b + 208c^4 + 192c^3$$
$$- 256c^2 - 288c - 48)a + (-13c^3 + 15c^2 + 69c + 9)b^2 + 16c^5 - 16c^4 - 128c^3 - 144c^2 - 48c)y^4 + ((-20c + 8)a^6$$
$$+ (-26cb - 93c^2 - 12c + 24)a^5 + (-22cb^2 + (-134c^2 - 60c)b - 175c^3 - 99c^2 + 60c + 24)a^4 + ((-91c^2 - 48c)b^2$$
$$+ (-218c^3 - 266c^2 - 42c)b - 167c^4 - 146c^3 + 81c^2 + 76c + 8)a^3 + (-18c^2b^3 + (-35c^3 - 185c^2 - 30c)b^2 + (-138c^4 - 296c^3 - 166c^2 - 8c)b - 81c^5 - 75c^4$$
$$+ 93c^3 + 111c^2 + 24c)a^2 + (-9c^2b^4 + (-10c^3 - 18c^2)b^3 + (42c^4 - 32c^3 - 134c^2 - 4c)b^2$$
$$+ (-28c^5 - 90c^4 - 96c^3 - 34c^2)b - 16c^6 + 72c^4 + 80c^3 + 24c^2)a + (-c^3 - 9c^2)b^4 + (8c^5 + 32c^4 - 16c^3 - 40c^2)b^2 + 8c^6 + 24c^5 + 24c^4 + 8c^3)y^2 - c^2b^2a^5$$
$$+ (-7c^3 - 3c^2)b^2a^4 + (-3c^3b^3 + (-15c^4 - 22c^3 - 3c^2)b^2)a^3 + (-3c^3b^4 - 6c^3b^3 + (-13c^5 - 39c^4 - 23c^3 - c^2)b^2)a^2 + ((5c^4$$
$$- 6c^3)b^4 + (3c^5 - 3c^3)b^3 + (-4c^6 - 24c^5 - 28c^4 - 8c^3)b^2)a + (5c^4 - 3c^3)b^4 + (-4c^6 - 8c^5 - 4c^4)b^2)y_1^5$$
$$+ y^2(256y^{10} + (-128a^2 + (-768c + 512)a - 128c^2 + 512c + 768)y^8 + (160a^4 + (288b + 608c - 104)a^3 + (144b^2$$
$$+ (384c + 432)b + 1008c^2 - 1000c - 536)a^2 + ((96c + 216)b^2 + (352c^2 + 336c + 144)b + 320c^3 - 1216c^2 - 1856c$$
$$- 192)a + (-48c^2 + 120c + 72)b^2 + 16c^4 - 320c^3 - 608c^2 - 192c + 96)y^6 + (-4a^6 + (-8b - 192c + 59)a^5 + (-4b^2$$
$$+ (-427c + 22)b - 568c^2 + 221c + 146)a^4 + ((-321c + 11)b^2 + (-827c^2 - 589c + 84)b - 608c^3 + 673c^2 + 864c + 75)a^3$$
$$+ (-81cb^3 + (-279c^2 - 368c + 42)b^2 + (-624c^3 - 662c^2 - 160c + 54)b - 260c^4 + 959c^3 + 1598c^2 + 443c - 8)a^2 + (-27cb^4$$

$$+(-45c^2-81c)b^3+(80c^3-367c^2-32c+27)b^2+(-216c^4-238c^3-36c^2-6c)b-32c^5+496c^4+992c^3+464c^2+16c)a$$
$$+(-9c^2-27c)b^4+(60c^4+27c^3-170c^2+15c)b^2+48c^5+104c^4+48c^3-8c^2)y^4+(4ca^7+(8cb+32c^2-40c+4)a^6+(4cb^2$$
$$+(143c^2-2c)b+88c^3-153c^2-108c+8)a^5+((140c^2-10c)b^2+(373c^3+170c^2-24c)b+112c^4-267c^3-382c^2$$
$$-88c+4)a^4+(51c^2b^3+(201c^3+171c^2-28c)b^2+(374c^4+333c^3-3c^2-14c)b+68c^5-283c^4-544c^3-241c^2$$
$$-24c)a^3+(18c^2b^4+(94c^3+66c^2)b^3+(-c^4+214c^3+c^2-14c)b^2+(152c^5+190c^4-8c^3-34c^2)b+16c^6-177c^5$$
$$-390c^4-241c^3-40c^2)a^2+((18c^3+21c^2)b^4+(-c^4+74c^3+15c^2)b^3+(-76c^5-6c^4+120c^3-30c^2)b^2+(16c^6$$
$$+20c^5-20c^4-24c^3)b-48c^6-112c^5-88c^4-24c^3)a+(4c^4+17c^3+3c^2)b^4+(-4c^6-36c^5+40c^4+60c^3)b^2+4c^6$$
$$+8c^5+4c^4)y^2+(5c^3-c^2)b^2a^5+(6c^3b^3+(18c^4+8c^3-2c^2)b^2)a^4+(5c^3b^4+(22c^4+13c^3)b^3+(25c^5+29c^4$$
$$-2c^3-c^2)b^2)a^3+((13c^4+10c^3)b^4+(17c^5+44c^4+7c^3)b^3+(16c^6+36c^5+3c^4-5c^3)b^2)a^2+(-c^4b^5+(-8c^5$$
$$+35c^4+5c^3)b^4+(20c^5+16c^4)b^3+(4c^7+20c^6+8c^5-4c^4)b^2)a+(-8c^5+19c^4)b^4+(4c^7+4c^6)b^2)y_1^4$$
$$+y^3(1024y^{10}+(144a^3+(288b+400c-368)a^2+(144b^2+(352c+288)b-3072c)a+(-48c+144)b^2$$
$$-512c^2+768)y^8+(-31a^5+(-116b-455c+313)a^4+(-166b^2+(-916c+444)b-556c^2+1288c+168)a^3$$
$$+(-108b^3+(-542c+114)b^2+(-888c^2-272c+720)b-132c^3+3476c^2+408c-376)a^2+(-27b^4+(-108c-108)b^3$$
$$+(68c^2-280c+360)b^2+(-216c^3+520c^2+240c+144)b+1280c^3+192c^2-1408c-192)a+(-27c-27)b^4+(60c^3$$
$$-124c^2+24c+72)b^2+64c^4-192c^3-448c^2-192c)y^6+((51c-8)a^6+((158c-16)b+259c^2-324c+28)a^5$$
$$+((224c-8)b^2+(976c^2-544c-40)b+264c^3-1255c^2-187c+84)a^4+(162cb^3+(876c^2-240c-20)b^2+(978c^3$$
$$-408c^2-1030c-24)b+72c^4-1896c^3-672c^2+464c+48)a^3+(45cb^4+(348c^2+144c)b^3+(140c^3+410c^2-612c$$
$$-12)b^2+(368c^4-688c^3-848c^2-328c)b+16c^5-968c^4-256c^3+824c^2+272c)a^2+((57c^2+36c)b^4+(-6c^3$$
$$+216c^2-18c)b^3+(-132c^4+192c^3-248c^2-152c)b^2+(16c^5-496c^4-528c^3-56c^2)b-128c^5+240c^4+640c^3$$
$$+272c^2)a+(12c^3+33c^2-9c)b^4+(-4c^5+108c^4+120c^3-104c^2)b^2+48c^5+96c^4+48c^3)y^4+((-4c^2+8c)a^7$$
$$+((-46c^2+16c)b-12c^3+84c^2-32c)a^6+((-65c^2+8c)b^2+(-216c^3+158c^2+32c)b-12c^4+280c^3-12c^2-88c)a^5$$
$$+(-56c^2b^3+(-296c^3+105c^2+16c)b^2+(-310c^4+334c^3+308c^2+16c)b-4c^5+404c^4+132c^3-180c^2-48c)a^4$$
$$+(-17c^2b^4+(-191c^3-56c^2)b^3+(-233c^4-88c^3+254c^2+8c)b^2+(-156c^5+448c^4+572c^3+104c^2)b+264c^5$$
$$+112c^4-184c^3-80c^2)a^3+((-36c^3-15c^2)b^4+(-28c^4-88c^3)b^3+(-3c^5-153c^4+100c^3+84c^2)b^2+(-16c^6$$
$$+304c^5+480c^4+152c^3)b+64c^6-48c^5-192c^4-80c^3)a^2+(-9c^3b^5+(14c^3+2c^2)b^4+(80c^5-28c^4-6c^3)b^3$$
$$+(8c^6-128c^5-116c^4+48c^3)b^2+(48c^6+104c^5+56c^4)b-48c^6-96c^5-48c^4)a+(-8c^5+16c^4+14c^3)b^4$$
$$+(-8c^6-76c^5-4c^4)b^2)y^2-c^3b^2a^6+(-2c^3b^3+(-7c^4+6c^3)b^2)a^5+(-c^3b^4+(-31c^4-4c^3)b^3+(-15c^5+15c^4+15c^3)b^2)a^4$$
$$+((-31c^4-2c^3)b^4+(-54c^5-43c^4-2c^3)b^3+(-13c^6+20c^5+42c^4+8c^3)b^2)a^3+(-11c^4b^5+(-12c^5-33c^4-c^3)b^4$$
$$+(-32c^6-68c^5-12c^4)b^3+(-4c^7+19c^6+59c^5+20c^4)b^2)a^2+(-4c^4b^6-11c^4b^5+(8c^6-40c^5-2c^4)b^4+(-4c^7-32c^6-14c^5)b^3$$
$$+(8c^7+40c^6+24c^5)b^2)a-4c^4b^6+(8c^6-28c^5)b^4+(8c^7+8c^6)b^2)y_1^3$$
$$+y^4(1536y^{10}+(-27a^4+(-108b+432)a^3+(-162b^2+864b+1200c-480)a^2+(-108b^3+432b^2+(1056c$$
$$+576)b-4608c-512)a-27b^4+(-144c+288)b^2-768c^2-512c+256)y^8+((198c-39)a^5+((666c-132)b$$
$$+144c^2-1167c+189)a^4+((810c-174)b^2+(258c^2-2082c+132)b-1668c^2+1072c+208)a^3+((414c-108)b^3$$
$$+(96c^2-816c-42)b^2+(-2664c^2-1696c+288)b-396c^3+4792c^2+1472c-64)a^2+((72c-27)b^4+(-6c^2+90c$$
$$-108)b^3+(204c^2-848c+144)b^2+(-648c^3-16c^2-96c)b+1920c^3+1472c^2-256c)a+(12c^2-9c-27)b^4$$
$$+(180c^3-104c^2-96c)b^2+96c^4+64c^3-64c^2)y^6+(-4ca^7+(-12cb-39c^2+87c-4)a^6+(-12cb^2+(-431c^2+186c$$
$$-8)b-12c^3+699c^2-149c+12)a^5+(-4cb^3+(-861c^2+204c-4)b^2+(-376c^3+2084c^2-50c-8)b-4c^4+780c^3$$
$$-1089c^2-268c+16)a^4+((-612c^2+150c)b^3+(-402c^3+1026c^2+24c-4)b^2+(-92c^4+2558c^3+1290c^2-312c)b$$
$$+216c^4-2416c^3-1384c^2+32c)a^3+((-170c^2+45c)b^4+(-42c^3+60c^2+162c)b^3+(-27c^4+18c^3+919c^2$$
$$-220c)b^2+(1104c^4+496c^3+32c^2)b+48c^5-1412c^4-1296c^3-96c^2)a^2+(-27c^2b^5+(-4c^3+23c^2+45c)b^4$$
$$+(80c^4-60c^3+108c^2)b^3+(-396c^4+144c^3+120c^2)b^2+(48c^5-344c^4-192c^3)b-192c^5-176c^4+32c^3)a$$
$$+(-8c^4+32c^3+24c^2)b^4+(-12c^5+36c^4+80c^3)b^2+16c^5+16c^4)y^4+((4c^2b-12c^2+4c)a^7+(8c^2b^2+(30c^3$$
$$-86c^2+8c)b-36c^3+88c^2-12c)a^6+(4c^2b^3+(170c^3-57c^2+4c)b^2+(30c^4-522c^3-30c^2+8c)b-36c^4+360c^3$$
$$+112c^2-16c)a^5+((188c^3-48c^2)b^3+(234c^4-310c^3+23c^2+4c)b^2+(4c^5-870c^4-344c^3+32c^2)b-12c^5$$
$$+568c^4+416c^3+32c^2)a^4+((58c^3-17c^2)b^4+(58c^4-33c^3-48c^2)b^3+(74c^5-269c^4-298c^3+76c^2)b^2$$
$$+(-464c^5-202c^4+40c^3)b+388c^5+420c^4+96c^3)a^3+(6c^3b^5+(2c^4+2c^3-17c^2)b^4+(-112c^5-96c^4-54c^3)b^3+(-4c^6$$
$$+65c^5-131c^4-44c^3)b^2+(-48c^6+152c^5+152c^4)b+96c^6+112c^5+32c^4)a^2+(-4c^3b^6-9c^3b^5+(16c^5-40c^4$$
$$+4c^3)b^4+(-4c^6+128c^5-46c^4)b^3+(24c^6-28c^5-68c^4)b^2+(48c^6+56c^5)b-16c^6-16c^5)a+(-4c^4-4c^3)b^6$$
$$+(-8c^5-4c^4)b^4+(-4c^6-32c^5)b^2)y^2+(c^4-c^3)b^2a^6+((11c^4-2c^3)b^3+(2c^5-13c^4+3c^3)b^2)a^5+((15c^4-c^3)b^4$$
$$+(40c^5-11c^4-2c^3)b^3+(c^6-37c^5-10c^4+4c^3)b^2)a^4+(13c^4b^5+(54c^5-5c^4-c^3)b^4+(33c^6-14c^5-22c^4)b^3$$
$$+(-37c^6-27c^5+4c^4)b^2)a^3+(4c^4b^6+(32c^5+13c^4)b^5+(12c^6+42c^5-20c^4)b^4+(4c^7-32c^6-54c^5)b^3+(-12c^7-9c^6$$
$$+12c^5)b^2)a^2+((4c^5+4c^4)b^6+(-8c^6+32c^5)b^5+(8c^6-12c^5)b^4+(-8c^7-32c^6)b^3+(4c^7+16c^6)b^2)a+4c^5b^6$$
$$+8c^6b^4+4c^7b^2)y_1^2$$
$$+y^5(1024y^{10}+(-54a^4+(-216b+432)a^3+(-324b^2+864b+1200c-368)a^2+(-216b^3+432b^2+(1056c$$

$$
\begin{aligned}
&+ 288)b - 3072c - 256)a - 54b^4 + (-144c + 144)b^2 - 512c^2 - 256c)y^8 + (-27ca^6 + (-135cb + 396c - 12)a^5 \\
&+ (-270cb^2 + (1332c - 24)b + 288c^2 - 1140c + 52)a^4 + (-270cb^3 + (1620c - 12)b^2 + (516c^2 - 1974c - 24)b - 1668c^2 \\
&+ 712c + 64)a^3 + (-135cb^4 + 828cb^3 + (192c^2 - 654c - 12)b^2 + (-2664c^2 - 1040c)b - 396c^3 + 3188c^2 + 704c)a^2 \\
&+ (-27cb^5 + 144cb^4 + (-12c^2 + 198c)b^3 + (204c^2 - 472c)b^2 + (-648c^3 - 184c^2)b + 1280c^3 + 704c^2)a + (24c^2 \\
&+ 18c)b^4 + (180c^3 - 28c^2)b^2 + 64c^4 + 64c^3)y^6 + (-8ca^7 + ((45c^2 - 24c)b - 78c^2 + 60c)a^6 + ((180c^2 - 24c)b^2 \\
&+ (18c^3 - 817c^2 + 60c)b - 24c^3 + 672c^2 - 40c)a^5 + ((270c^2 - 8c)b^3 + (66c^3 - 1542c^2 - 12c)b^2 + (-752c^3 + 1796c^2 \\
&+ 112c)b - 8c^4 + 780c^3 - 640c^2 - 128c)a^4 + (180c^2b^4 + (86c^3 - 954c^2 - 12c)b^3 + (-804c^3 + 474c^2 + 24c)b^2 \\
&+ (-184c^4 + 2396c^3 + 1024c^2)b + 216c^4 - 1576c^3 - 640c^2)a^3 + (45c^2b^5 + (42c^3 - 160c^2)b^4 + (-84c^3 - 288c^2)b^3 \\
&+ (-54c^4 - 126c^3 + 500c^2)b^2 + (1104c^4 + 560c^3)b + 48c^5 - 960c^4 - 640c^3)a^2 + (-9c^2b^5 + (-8c^3 - 34c^2)b^4 + (160c^4 \\
&- 54c^3)b^3 + (-396c^4 + 32c^3)b^2 + (48c^5 - 64c^4)b - 128c^5 - 128c^4)a - 4c^3b^6 + (-16c^4 + 20c^3)b^4 \\
&+ (-12c^5 - 12c^4)b^2)y^4 + ((8c^2b - 12c^2)a^7 + ((-17c^3 + 16c^2)b^2 + (60c^3 - 64c^2)b - 36c^3 + 52c^2)a^6 + ((-51c^3 + 8c^2)b^3 + (-16c^4 \\
&+ 306c^3 + 4c^2)b^2 + (60c^4 - 474c^3 - 72c^2)b - 36c^4 + 232c^3 + 64c^2)a^5 + (-51c^3b^4 + (-16c^4 + 282c^3 + 8c^2)b^3 + (c^5 \\
&+ 452c^4 - 110c^3 - 12c^2)b^2 + (8c^5 - 840c^4 - 336c^3)b - 12c^5 + 372c^4 + 192c^3)a^4 + (-17c^3b^5 + (24c^4 + 38c^3)b^4 \\
&+ (21c^5 + 100c^4 + 126c^3)b^3 + (148c^5 - 40c^4 - 160c^3)b^2 + (-460c^5 - 280c^4)b + 256c^5 + 192c^4)a^3 + ((32c^4 \\
&+ 2c^3)b^5 + (12c^5 + 28c^4 + 14c^3)b^4 + (-224c^5 - 68c^4)b^3 + (-8c^6 + 152c^5 + 20c^4)b^2 - 48c^6b + 64c^6 + 64c^5)a^2 \\
&+ (8c^4b^6 + (-8c^5 + 32c^4)b^5 + (32c^5 - 40c^4)b^4 + (-8c^6 + 48c^5)b^3 + (24c^6 + 24c^5)b^2 + 16c^6b)a)y^2 + (-c^4b^3 \\
&+ 2c^4b^2)a^6 + (-2c^4b^4 + (-6c^5 + 11c^4)b^3 + (4c^5 - 10c^4)b^2)a^5 + (-c^4b^5 - 38c^5b^4 + (-c^6 + 68c^5 + 12c^4)b^3 + (2c^6 - 34c^5 \\
&- 12c^4)b^2)a^4 + ((-44c^5 - c^4)b^5 + (-20c^6 + 40c^5 + 2c^4)b^4 + (65c^6 + 34c^5)b^3 + (-36c^6 - 24c^5)b^2)a^3 + (-16c^5b^6 + 8c^6b^5 \\
&+ (4c^6 + 20c^5)b^4 + 8c^7b^3 + (-12c^7 - 12c^6)b^2)a^2 + (-4c^5b^7 - 8c^6b^5 - 4c^7b^3)a)y_1 \\
&+ y^6(y^4 + (ca^2 + (cb - 2c)a)y^2 + (-c^2b + c^2)a^2)(256y^6 + (-27a^4 + (-108b + 144)a^3 + (-162b^2 + 288b + 144c \\
&- 128)a^2 + (-108b^3 + 144b^2 + 96cb - 256c)a - 27b^4 - 48cb^2 - 128c^2)y^4 + (-4a^5 + ((18c - 8)b - 12c + 16)a^4 + ((54c \\
&- 4)b^2 + (18c^2 - 104c)b - 12c^2 + 64c)a^3 + (54cb^3 + (48c^2 - 92c)b^2 - 184c^2b - 4c^3 + 96c^2)a^2 + (18cb^4 + 42c^2b^3 \\
&- 28c^2b^2 - 88c^3b + 64c^3)a + 12c^2b^4 + 60c^3b^2 + 16c^4)y^2 + c^2b^2a^4 + ((-4c^3 + 2c^2)b^3 + (2c^3 - 4c^2)b^2)a^3 + ((-12c^3 \\
&+ c^2)b^4 + 22c^3b^3 + (c^4 - 12c^3)b^2)a^2 + (-12c^3b^5 + 20c^3b^4 + 20c^4b^3 - 12c^4b^2)a - 4c^3b^6 - 8c^4b^4 - 4c^5b^2), \\
&(z - b)^2y_2 + yy_1^2 + (2y^2 + (a + c + 1)z^2 + (-2ba + (-c - 2)b)z + b^2a + b^2)y_1 \\
&+ y(y^2 + z^4 + (a - 3b)z^3 + ((-3b + 1)a + 3b^2 + c)z^2 + ((3b^2 - 2b)a - b^3 - cb)z + (-b^3 + b^2)a), \\
&y_1 + ((z - b)x + y),
\end{aligned}
$$

$$
\begin{aligned}
&y_2 + (yx^2 + ((-a - c - 1)z + ba + b)x + (z^2 + (a - b)z - ba - 1)y), \\
&y_3 - ((z - b)x^3 + (3a + c + 2)yx^2 + ((-4z - 3a + b)y^2 + z^3 + (a - 2b)z^2 + (-a^2 + (-2b - 2c - 1)a + b^2 - c^2 - c - 1)z + ba^2 \\
&+ (b^2 + b)a + b)x + ((a + 3c + 2)z^2 + (a^2 + (-b + 2c + 2)a + (-c - 2)b)z - ba^2 - 2ba - 1)y) \\
&- --
\end{aligned}
$$

$$
\begin{aligned}
&(z - b)(z + a)z_3^2 - (2z + a - b)z_1z_2z_3 + 2(2a + c + 2)(z - b)(z + a)z_2z_3 - (a + c + 1)(2z + a - b)z_1^2z_3 \\
&+ (8z^4 + (16a - 16b)z^3 + (10a^2 + (-32b + 2c + 4)a + 8b^2 + 2c + 2)z^2 + (2a^3 + (-18b + 3c + 4)a^2 + (16b^2 \\
&+ (-3c - 4)b + 3c + 2)a + (-3c - 2)b)z - 2ba^3 + (8b^2 + (-4c - 4)b)a^2 + (-4c - 2)ba)z_1z_3 \\
&+ 2cz(z - b)(z + a)(4z^2 + (4a - 4b)z + a^2 + (-4b + 2)a + 1)z_3 + z_1^2z_2^2 \\
&- ((4a + 2c + 4)z + a^2 + (-3b + c + 3)a + (-c - 1)b)z_1z_2^2 + (a + c + 3)(3a + c + 1)(z - b)(z + a)z_2^2 + 2(a + c + 1)z_1^3z_2 \\
&- (8z^3 + (12a - 12b)z^2 + (10a^2 + (-16b + 8c + 12)a + 4b^2 + 2c^2 + 8c + 6)z + a^3 + (-9b + 3c + 6)a^2 + (4b^2 \\
&+ (-7c - 6)b + c^2 + 7c + 5)a + (-c^2 - 3c - 1)b)z_1^2z_2 \\
&+ ((16a + 16)z^4 + (32a^2 + (-32b + 4c + 32)a + (-4c - 32)b)z^3 + (18a^3 + (-64b + 6c + 30)a^2 + (16b^2 \\
&+ (-16c - 64)b + 2c^2 + 12c + 14)a + (4c + 16)b^2 + 2c^2 + 2c + 2)z^2 + (2a^4 + (-34b + 7c + 14)a^3 + (32b^2 + (-15c - 46)b + 3c^2 + 18c \\
&+ 14)a^2 + ((12c + 32)b^2 + (-3c^2 - 18c - 14)b + 3c^2 + 3c + 2)a + (-3c^2 - 7c - 2)b)z - 2ba^4 + (16b^2 + (-8c - 14)b)a^3 \\
&+ ((8c + 16)b^2 + (-4c^2 - 24c - 14)b)a^2 + (-4c^2 - 8c - 2)ba)z_1z_2 \\
&+ 2cz(z - b)(z + a)((8a + 4c + 8)z^2 + (8a^2 + (-8b + 4c + 8)a + (-4c - 8)b)z + a^3 + (-8b + c + 7)a^2 + ((-4c - 8)b \\
&+ 2c + 7)a + c + 1)z_2 \\
&- (b - c - 1)(2a + b + c + 1)z_1^4 \\
&- ((8a + 8c + 8)z^3 + (8a^2 + (-16b + 12c + 16)a + (-12c - 8)b)z^2 + (2a^3 + (-16b + 10c + 14)a^2 + (8b^2 \\
&+ (-12c - 16)b + 2c^2 + 8c + 6)a + 6cb^2 + 2c^2 + 4c + 2)z + (-2b + c + 2)a^3 + (8b^2 + (-9c - 12)b + c^2 + 6c + 4)a^2 + (4cb^2 \\
&+ (-3c^2 - 6c - 2)b + 3c^2 + 5c + 2)a + (-c^2 - c)b)z_1^3 \\
&+ (16z^6 + (48a - 48b)z^5 + (52a^2 + (-144b + 24)a + 48b^2 - 8c^2 + 4)z^4 + (24a^3 + (-152b + 16c + 48)a^2 + (144b^2 \\
&- 48b - 12c^2 + 8)a - 16b^3 + (12c^2 - 16c - 8)b)z^3 + (4a^4 + (-64b + 14c + 28)a^3 + (148b^2 + (-32c - 96)b - 7c^2 + 2c \\
&+ 12)a^2 + (-48b^3 + 24b^2 + (14c^2 - 32c - 16)b + 2c + 4)a + (-5c^2 + 16c + 4)b^2 - 2c^2 - 2c)z^2 + ((-8b + 2c + 4)a^4 + (56b^2 \\
&+ (-30c - 52)b + 2c^2 + 10c + 8)a^3 + (-48b^3 + (16c + 48)b^2 + (6c^2 - 22c - 16)b + 4c^2 + 6c + 4)a^2 + ((-4c^2 + 32c + 8)b^2
\end{aligned}
$$

$$+(-4c^2-10c-4)b-2c^2-2c)a+(-2c^2-2c)b)z+(4b^2+(-2c-4)b)a^4+(-16b^3+(16c+24)b^2+(-3c^2-14c-8)b)a^3+((16c+4)b^2$$
$$+(-10c^2-14c-4)b)a^2+(-3c^2-2c)ba)z_1^2$$
$$+2cz(16z^6+(48a-48b)z^5+(52a^2+(-144b+4c+24)a+48b^2+4c+4)z^4+(24a^3+(-152b+12c+48)a^2$$
$$+(144b^2+(-8c-48)b+8c+8)a-16b^3+(-12c-8)b)z^3+(4a^4+(-64b+8c+28)a^3+(148b^2+(-24c-96)b+8c$$
$$+12)a^2+(-48b^3+(4c+24)b^2+(-24c-16)b+4c+4)a+(8c+4)b^2)z^2+((-8b+c+4)a^4+(56b^2+(-16c-52)b+6c$$
$$+8)a^3+(-48b^3+(12c+48)b^2+(-17c-16)b+5c+4)a^2+((16c+8)b^2+(-6c-4)b)a-cb)z+(4b^2+(-c-4)b)a^4$$
$$+(-16b^3+(8c+24)b^2+(-7c-8)b)a^3+((8c+4)b^2+(-7c-4)b)a^2-cba)z_1$$
$$+4c^2z^2(z-b)(z+a)(z^2+(a-b)z+(-b+1)a)(4z^2+(4a-4b)z+a^2+(-4b+2)a+1),$$
$$y^2z_2+(z-b)z_1^2+((a+c+1)y^2+2cz^2-2cbz)z_1-((z+a)y^4+(-ca-c)zy^2-c^2z^3+c^2bz^2),$$
$$z_1-(yx-cz),$$

$$z_2+((z-b)x^2+(a+c+1)yx+(-z-a)y^2-c^2z),$$
$$z_3+(yx^3+((-3a-2c-1)z+3ba+(c+1)b)x^2+(-y^3+(4z^2+(4a-4b)z-a^2+(-4b-c-2)a-c^2-c-1)y)x+((a$$
$$+2c+3)z+a^2+(c+3)a)y^2+c^3z)$$

Generalized Lorenz canonical form

$$\begin{cases} x' &= (-z+a)x + zy, \\ y' &= -zx + (z-b)y, \\ z' &= -zx + (z-b)y, \\ w' &= dyx^2 + dy^2x - cz. \end{cases} \tag{13}$$

$x_2 - (zx^2 + ((-2z+b)y - 2az + a^2)x + (z-b)y^2 + (a-b)zy),$
$x_3 + (zx^3 + ((-3z+b)y + (-4a+b)z)x^2 + ((3z-2b)y^2 + ((5a-5b)z - 3ba + b^2)y + (-a-b)z^2 + 3a^2z - a^3)x + (-z$
$+ b)y^3 + ((-a+4b)z + ba - 3b^2)y^2 + ((a+b)z^2 + (-a^2 + ba - b^2)z)y),$
$x_4 - (zx^4 + ((-4z+b)y + (-7a+2b)z)x^3 + ((6z-3b)y^2 + ((15a-12b)z - 6ba + 2b^2)y + (-5a-5b)z^2 + (11a^2$
$- 5ba + b^2)z)x^2 + ((-4z+3b)y^3 + ((-9a+18b)z + 7ba - 9b^2)y^2 + ((10a+10b)z^2 + (-9a^2 + 11ba - 14b^2)z + 6ba^2$
$- 4b^2a + b^3)y + (3a^2 + 2ba - b^2)z^2 - 4a^3z + a^4)x + (z-b)y^4 + ((a-8b)z - ba + 7b^2)y^3 + ((-5a-5b)z^2 + (a^2 + 16b^2)z$
$- ba^2 + 3b^2a - 7b^3)y^2 + ((-2a^2 + 2b^2)z^2 + (a^3 - ba^2 + b^2a - b^3)z)y)$

Two-parameter model for the blue-sky catastroph

$$\begin{cases} x' &= -10x^3 + (-10y + a + 22)x + y^2 + 2y + z^2, \\ y' &= -4x + y^3 + y^2 + (z^2 + a - 2)y - z^3 - z^2, \\ z' &= x^2 + z^2 y + z^2 - b. \end{cases} \tag{14}$$

$$\begin{aligned}
&x_2 - (300x^5 + (400y - 40a - 880)x^3 + (-30y^2 - 60y - 30z^2 + 2z + 40)x^2 + (-10y^3 + 90y^2 + (-10z^2 - 30a - 428)y \\
&\quad + 10z^3 + 10z^2 + a^2 + 44a + 476)x + 2y^4 - 6y^3 + (2z^2 + 3a)y^2 + (-10z^2 + 4a + 40)y + (a + 20)z^2 - 2bz), \\
&x_3 + (15000x^7 + (27000y - 2700a - 59400)x^5 + (-2100y^2 - 4200y - 2100z^2 + 100z + 2398)x^4 + (-500y^3 \\
&\quad + 12500y^2 + (-500z^2 + 20z - 3100a - 56520)y + 500z^3 + 470z^2 - 20z + 130a^2 + 5720a + 62600)x^3 + (60y^4 - 1680y^3 \\
&\quad + (60z^2 - 4z + 240a + 180)y^2 + (-1802z^2 + 60z + 420a + 9320)y + (180a + 3858)z^2 + (-6a - 60b - 128)z - 200a + 4b \\
&\quad - 3472)x^2 + (30y^5 - 190y^4 + (40z^2 + 70a + 1580)y^3 + (-10z^3 - 180z^2 - 4z - 540a - 5384)y^2 + (-20z^4 + 280z^3 + (50a \\
&\quad + 1164)z^2 + (-20b - 8)z + 70a^2 + 1920a + 13160)y - 10z^5 + 20z^4 + (-40a - 672)z^3 + (-40a + 30b - 768)z^2 + 20bz - a^3 \\
&\quad - 66a^2 - 1428a - 10312)x - 8y^6 + 20y^5 + (-12z^2 - 14a - 36)y^4 + (4z^3 + 52z^2 + 38a + 172)y^3 + (-4z^4 - 12z^3 \\
&\quad + (-10a - 80)z^2 + 4bz - 7a^2 + 24a + 340)y^2 + (4z^5 + 24z^4 + (4a - 40)z^3 + (42a + 2b + 348)z^2 - 20bz - 6a^2 - 120a - 872)y - 20z^5 \\
&\quad - 20z^4 + 2az^3 + (-a^2 - 40a + 2b - 436)z^2 + (2ba + 40b)z - 2b^2)
\end{aligned}$$

4-dimensional Lorenz-Stenflo system

$$\begin{cases} x' &= -ax + ay + bw, \\ y' &= (-z + c)x - y, \\ z' &= yx - dz, \\ w' &= -x - aw. \end{cases} \tag{15}$$

$x,\ w$:

$$\begin{aligned}
&(a-1)x_1x_4 + x(x^2+a^2+(-d-1)a+d)x_4 - (a-1)x_2x_3 - (3x^2-a^2-2da+2d+1)x_1x_3 \\
&\quad + (2a+d+1)x(x^2+a^2+(-d-1)a+d)x_3 - (x^2+2a^2-a-1)x_2^2 + 3xx_1^2x_2 \\
&\quad - ((5a+2d+4)x^2+2a^3+(-4d-1)a^2+(2d-1)a+2d)x_1x_2 \\
&\quad + x(x^4+(a^2+(d+1)a+2d)x^2+a^4+da^3+(b+dc-2d^2-2d-1)a^2+((-d-2)b-dc+d^2+d)a+(d+1)b+d^2)x_2 \\
&\quad + 6axx_1^3 + ((6a^2+(-4d-8)a)x^2-a^4+2da^3+(-b-2dc+2d+1)a^2+((2d+2)b+2dc-4d)a+(-2d-1)b)x_1^2 \\
&\quad + x(2ax^4+(5a^3+(-3d-5)a^2+(3b+dc+4d)a+(-d-3)b)x^2+da^4+(-2dc-d^2+2d)a^3+(db+(d^2+2d)c-d^2 \\
&\quad - 3d)a^2+(-d^2b-d^2c+2d^2)a+(d^2-d)b)x_1 \\
&\quad + x^2(x^2+a^2+(-d-1)a+d)((a^2+b)x^2+(-dc+d)a^2+db), \\
&xx_3 - x_1x_2 + (a+d+1)xx_2 - (a+1)x_1^2 + (x^3+(da+d)x+(-ba+b)w)x_1 \\
&\quad + x(ax^3-bwx^2+((-b-dc+d)a+(d+1)b)x+(-ba^2+(d+1)ba-db)w), \\
&x_2 + (a+1)x_1 + ((az+(-c+1)a+b)x+(ba-b)w), \\
&x_1 + (ax-ay-bw),
\end{aligned}$$

$$\begin{aligned}
&x_2 + ((az-a^2-ca+b)x+(a^2+a)y+2baw), \\
&x_3 + (ayx^2+((-2a^2+(-d-1)a)z+a^3+2ca^2+(-3b+c)a)x+(a^2z-a^3+(-c-1)a^2+(b-1)a)y+bawz \\
&\quad + (-3ba^2-cba+b^2)w), \\
&x_4 - ((az-ca)x^3+(4a^2+(d+2)a)yx^2+(-3a^2y^2-3bawy+a^2z^2+(-3a^3+(-2c-3d-2)a^2+(2b-d^2-d-1)a)z \\
&\quad + a^4+3ca^3+(-6b+c^2+2c)a^2+(-2cb+c)a+b^2)x+((2a^3+(2d+2)a^2)z-a^4+(-2c-1)a^3+(3b-2c-1)a^2+(b \\
&\quad - 1)a)y+(3ba^2+(2d+1)ba)wz+(-4ba^3-3cba^2+(4b^2-cb)a)w) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&w_1w_4 + aww_4 - w_2w_3 + (a+d+1)w_1w_3 + a(2a+d+1)ww_3 - (2a+1)w_2^2 + w_1^3w_2 + 3aww_1^2w_2 \\
&\quad + (3a^2w^2-2a^2+(2d-1)a+d)w_1w_2 + w(a^3w^2+a^3+(2d+1)a^2+(b+d)a-b)w_2 + 2aw_1^4 + (7a^2+b)ww_1^3 \\
&\quad + ((9a^3+3ba)w^2-a^3+(d-1)a^2+(-b-dc+2d)a+(d+1)b)w_1^2 \\
&\quad + w((5a^4+3ba^2)w^2+da^3+(-2dc+3d)a^2+dba+db)w_1 + aw^2((a^4+ba^2)w^2+(-dc+d)a^2+db), \\
&w_3 + (2a+1)w_2 + (az+a^2+(-c+2)a+b)w_1 + w(a^2z+(-c+1)a^2+b), \\
&w_2 + 2aw_1 + (ay+(a^2+b)w), \\
&w_1 + (x+aw),
\end{aligned}$$

$$\begin{aligned}
&w_2 - (2ax-ay+(a^2-b)w), \\
&w_3 - ((az-3a^2-ca+b)x+(2a^2+a)y+(-a^3+3ba)w), \\
&w_4 - (ayx^2+((-3a^2+(-d-1)a)z+4a^3+3ca^2+(-4b+c)a)x+(a^2z-3a^3+(-c-2)a^2+(b-1)a)y+bawz+(a^4 \\
&\quad - 6ba^2-cba+b^2)w)
\end{aligned}$$

Genesio-Tesi system

$$\begin{cases} x' &= y, \\ y' &= z, \\ z' &= x^2 + ax + by + cz. \end{cases} \tag{16}$$

$x,\ y,\ z$:

$$\begin{array}{l} x_3 - cx_2 - bx_1 - x(x+a), \\ x_2 - z, \\ x_1 - y \\ \quad - -- \end{array}$$

$$\begin{array}{l} y_3^2 - 2cy_2y_3 - 2by_1y_3 + c^2y_2^2 + 2cby_1y_2 - 4y^2y_2 + b^2y_1^2 + 4cy^2y_1 + y^2(4by - a^2), \\ y_1 - z, \\ y_2 - (x^2 + ax + by + cz), \\ y_2 - (x^2 + ax + by + cz), \\ y_3 - (cx^2 + (2y + ca)x + (a + cb)y + (b + c^2)z) \\ \quad - -- \end{array}$$

$$\begin{array}{l} 8b^2z_3^3 - 24cb^2z_2z_3^2 - 16z_1^2z_3^2 + 8(4cz - a^2 - 3b^3)z_1z_3^2 - (4cz - a^2)^2z_3^2 + 16z_1z_2^2z_3 \\ \quad - 4(4cz - a^2 - 6c^2b^2)z_2^2z_3 - 8((6b + 4c^2)z - ca^2 - 6cb^3)z_1z_2z_3 + 2(4cz - a^2)((6b + 4c^2)z - ca^2)z_2z_3 \\ \quad + 16(2b + c^2)z_1^3z_3 - 4((4cb + 4c^3)z + (-4b - c^2)a^2 - 6b^4)z_1^2z_3 - 2b(2cz + a^2)(4cz - a^2)z_1z_3 - 4z_2^4 \\ \quad + 4((10b + 4c^2)z - ca^2 - 2c^3b^2)z_2^3 - 8(2b + c^2)z_1^2z_2^2 - 4b(14cz + a^2 + 6c^2b^2)z_1z_2^2 \\ \quad - ((144b^2 + 48c^2b + 16c^4)z^2 + (-12cb - 8c^3)a^2z + c^2a^4)z_2^2 \\ \quad + 4((12b^2 + 26c^2b + 4c^4)z + (-2cb - c^3)a^2 - 6cb^4)z_1^2z_2 + 2b((120cb + 8c^3)z^2 + (6b + 2c^2)a^2z - ca^4)z_1z_2 \\ \quad + 216b^3z^3z_2 - 4(2b + c^2)^2z_1^4 + 4(16z^2 + (-4cb^2 - 6c^3b)z + (-2b^2 - c^2b)a^2 - 2b^5)z_1^3 \\ \quad - (192cz^3 + (-48a^2 + 112c^2b^2)z^2 + 4cb^2a^2z + b^2a^4)z_1^2 + 12z^2(16c^2z^2 + (-8ca^2 - 18cb^3)z + a^4)z_1 \\ \quad - z^2(64c^3z^3 + (-48c^2a^2 + 108b^4)z^2 + 12ca^4z - a^6), \\ z_2^2 - 2cz_1z_2 - 2bzz_2 + c^2z_1^2 - 2(2y^2 - cbz)z_1 + (4by^3 + (4cz - a^2)y^2 + b^2z^2), \\ z_1 - (x^2 + ax + by + cz), \end{array}$$

$$\begin{array}{l} z_2 - (cx^2 + (2y + ca)x + (a + cb)y + (b + c^2)z), \\ z_3 - ((b + c^2)x^2 + (2cy + 2z + (b + c^2)a)x + 2y^2 + (ca + b^2 + c^2b)y + (a + 2cb + c^3)z) \end{array}$$

Arneodo-Coullet-Tresser system

$$\begin{cases} x' &= y, \\ y' &= z, \\ z' &= -x^3 + ax - by - cz. \end{cases} \tag{17}$$

$x,\ y$:

$$\begin{array}{l} x_3 + cx_2 + bx_1 + x(x^2 - a), \\ x_2 - z, \\ x_1 - y \\ \quad - -- \end{array}$$

$$\begin{array}{l} y_3^3 + 3cy_2y_3^2 + 3by_1y_3^2 + 3ayy_3^2 + 3c^2y_2^2y_3 + 6cby_1y_2y_3 + 6cayy_2y_3 + 3b^2y_1^2y_3 + 6bayy_1y_3 + c^3y_2^3 + 3c^2by_1y_2^2 \\ \quad + 3y(9y^2 + c^2a)y_2^2 + 3cb^2y_1^2y_2 + 6cy(9y^2 + ba)y_1y_2 + 54by^4y_2 + b^3y_1^3 + 3y(9c^2y^2 + b^2a)y_1^2 + 54cby^4y_1 \\ \quad + y^3(27b^2y^2 - 4a^3), \\ y_1 - z, \\ y_2 + (x^3 - ax + by + cz), \end{array}$$

$$\begin{array}{l} y_2 + (x^3 - ax + by + cz), \\ y_3 - (cx^3 - 3yx^2 - cax + (a + cb)y + (-b + c^2)z) \\ \quad - -- \end{array}$$

$$\begin{array}{l} z_2 - (cx^3 - 3yx^2 - cax + (a + cb)y + (-b + c^2)z), \\ z_3 - ((b - c^2)x^3 + (3cy - 3z)x^2 + (-6y^2 + (-b + c^2)a)x + (-ca + b^2 - c^2b)y + (a + 2cb - c^3)z) \end{array}$$

Hyperchaotic Chen system

$$\begin{cases} x' &= -ax + ay, \\ y' &= (-z - b)x + cy - w, \\ z' &= yx - dz, \\ w' &= x. \end{cases} \tag{18}$$

$x,\ w$:

$$\begin{aligned}
&x_1x_4 - dxx_4 - x_2x_3 + (a - c + 2d)x_1x_3 - d(a - c + d)xx_3 - (a - c)x_2^2 + 2d(a - c)x_1x_2 \\
&\quad - x((a + d)x^2 + (db - dc + d^2 + 1)a - d^2c)x_2 + 3xx_1^3 + ((4a - 2d)x^2 + (2db - 2dc + 1)a)x_1^2 \\
&\quad - dax(3x^2 + db - dc - 1)x_1 - d^2ax^2, \\
&xx_3 - x_1x_2 + (a - c + d)xx_2 - (a - c)x_1^2 + (x^3 + (da - dc)x - aw)x_1 + ax(x^3 + (db - dc + 1)x + dw), \\
&x_2 + (a - c)x_1 + a((z + b - c)x + w), \\
&x_1 + a(x - y),
\end{aligned}$$

$$\begin{aligned}
&x_2 + a((z - a + b)x + (a - c)y + w), \\
&x_3 + a(yx^2 + ((-2a + c - d)z + a^2 - 2ba + cb + 1)x + (az - a^2 + (b + c)a - c^2)y + (-a + c)w), \\
&x_4 - a((z + b)x^3 + ((4a - 2c + d)y + w)x^2 + (-3ay^2 + az^2 + (-3a^2 + (2b + 2c - 3d)a - c^2 + dc - d^2)z + a^3 - 3ba^2 + (b^2 \\
&\quad + 2cb + 2)a - c^2b - c)x + ((2a^2 + (-2c + 2d)a)z - a^3 + (2b + c)a^2 + (-2cb - c^2 - 1)a + c^3)y + awz + (-a^2 + (b + c)a - c^2)w) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&y_2 + (yx^2 + ((-a + c - d)z - ba + cb + 1)x + (az + ba - c^2)y + cw), \\
&y_3 - ((z + b)x^3 + ((3a - 2c + d)y + w)x^2 + (-3ay^2 + az^2 + (-a^2 + (2b + c - 2d)a - c^2 + dc - d^2)z - ba^2 + (b^2 + cb + 1)a \\
&\quad - c^2b - c)x + ((a^2 + (-2c + 2d)a)z + ba^2 + (-2cb - 1)a + c^3)y + awz + (ba - c^2)w), \\
&y_4 - (yx^4 + ((-6a + 2c - 2d)z - 6ba + (2c - d)b + 1)x^3 + ((11az - 7a^2 + (11b + 8c - 4d)a - 3c^2 + 2dc - d^2)y + (-5a \\
&\quad + 2c - d)w)x^2 + ((10a^2 + (-12c + 4d)a)y^2 + 9awy + (-2a^2 + (2c - 4d)a)z^2 + (a^3 + (-4b - c + 3d)a^2 + ((4c - 4d)b \\
&\quad + c^2 - 2dc + 3d^2 + 2)a - c^3 + dc^2 - d^2c + d^3)z + ba^3 + (-2b^2 - cb - 1)a^2 + (2cb^2 + (c^2 + 2)b + c)a - c^3b - c^2)x - 3a^2y^3 \\
&\quad + (a^2z^2 + (-a^3 + (2b + 2c - 3d)a^2 + (-3c^2 + 5dc - 3d^2)a)z - ba^3 + (b^2 + 2cb + 1)a^2 + (-3c^2b - 2c)a + c^4)y + (-a^2 + (2c \\
&\quad - 3d)a)wz + (-ba^2 + (2cb + 1)a - c^3)w) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&z_2 + ((z + b)x^2 + ((a - c + d)y + w)x - ay^2 - d^2z), \\
&z_3 + (yx^3 + ((-3a + c - 2d)z - 3ba + (c - d)b + 1)x^2 + ((4az - a^2 + (4b + 2c - d)a - c^2 + dc - d^2)y + (-2a + c - d)w)x \\
&\quad + (a^2 + (-3c + d)a)y^2 + 3awy + d^3z), \\
&z_4 - ((z + b)x^4 + ((6a - 2c + 2d)y + w)x^3 + (-7ay^2 + 4az^2 + (-7a^2 + (8b + 4c - 8d)a - c^2 + 2dc - 3d^2)z - 7ba^2 + (4b^2 \\
&\quad + (4c - 3d)b + 4)a + (-c^2 + dc - d^2)b - c + d)x^2 + (((12a^2 + (-12c + 10d)a)z - a^3 + (12b + 3c - d)a^2 + ((-12c + 4d)b \\
&\quad - 3c^2 + 2dc - d^2 - 5)a + c^3 - dc^2 + d^2c - d^3)y + 7awz + (-3a^2 + (7b + 3c - 2d)a - c^2 + dc - d^2)w)x + (-4a^2z + a^3 \\
&\quad + (-4b - 4c + d)a^2 + (7c^2 - 3dc + d^2)a)y^2 + (4a^2 + (-10c + 3d)a)wy + d^4z + 3aw^2) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&w_1w_4 - w_2w_3 + (a - c + d)w_1w_3 - (a - c)w_2^2 + w_1^3w_2 + d(a - c)w_1w_2 - aww_2 + aw_1^4 + (db - dc + 1)aw_1^2 + daww_1, \\
&w_3 + (a - c)w_2 + a(z + b - c)w_1 + aw, \\
&w_2 + aw_1 - ay, \\
&w_1 - x,
\end{aligned}$$

$$\begin{aligned}
&w_2 + a(x - y), \\
&w_3 + a((z - a + b)x + (a - c)y + w), \\
&w_4 + a(yx^2 + ((-2a + c - d)z + a^2 - 2ba + cb + 1)x + (az - a^2 + (b + c)a - c^2)y + (-a + c)w)
\end{aligned}$$

Hyperchaotic Lüsystem

$$\begin{cases} x' &= -ax + ay + w, \\ y' &= -zx + by, \\ z' &= yx - cz, \\ w' &= zx + dw. \end{cases} \tag{19}$$

x:

$$\begin{aligned}
&(b-d)a(a-1)x_1x_4 + x((a^2-2a+1)x^2 + ((-c-d)b+dc+d^2)a^2 + (b^2+(c-d)b-dc)a)x_4 \\
&\quad - (b-d)a(a-1)x_2x_3 \\
&\quad - ((3a^2-6a+3)x^2 + (-b+d)a^3 + (b^2+(-2c-d+1)b+2dc-d)a^2 + ((2c-d)b-2dc+d^2)a)x_1x_3 \\
&\quad + (a-b+c-d)x((a^2-2a+1)x^2 + ((-c-d)b+dc+d^2)a^2 + (b^2+(c-d)b-dc)a)x_3 \\
&\quad - (a-1)((a-1)x^2 + (b-d)a^2 + (-b^2+d^2)a)x_2^2 + 3(a-1)^2xx_1^2x_2 \\
&\quad - ((4a^3+(-4b+2c-d-8)a^2 + (5b-4c+5d+4)a - b + 2c - 4d)x^2 + ((-2c-d)b+2dc+d^2)a^3 + ((2c+d+1)b^2 \\
&\quad + (2c-d)b + (-2d^2-2d)c - d^3)a^2 + (-b^3-2cb^2+d^2b+2d^2c)a)x_1x_2 \\
&\quad + x((a^2-2a+1)x^4 + ((-b+c)a^3 + ((-2c+2)b-2c+d^2)a^2 + (b^2+(3c-3d-1)b+(d+1)c)a + (-c+d)b-dc)x^2 \\
&\quad + (cb^2+(-c^2-dc+d^2)b+dc^2-d^3)a^3 + (-b^3+(c^2-d^2+d)b^2 + (c^2+(d^2-d)c+d^3)b + (-d^2-d)c^2 + (-d^3+d^2)c)a^2 \\
&\quad + ((-c+d)b^3 + (-c^2+dc-d^2)b^2 + d^2c^2)a)x_2 \\
&\quad + 3(a-1)^2(a-d)xx_1^3 \\
&\quad + (((4b-2c-3d)a^3 + ((-4d-5)b+(2d+4)c+3d^2+3d)a^2 + ((5d+1)b+(-4d-2)c-3d^2)a - db + 2dc)x^2 \\
&\quad + (-2cb^2-d^2b+2d^2c+d^3)a^3 + (b^3+((2d+2)c+d^2-d)b^2 + (-2d^2c-d^3)b-2d^2c)a^2 + (-db^3+(-2dc+d^2)b^2+2d^2cb)a)x_1^2 \\
&\quad + x((a^3+(-d-2)a^2+(2d+1)a-d)x^4 + (((-2c-4d)b+2dc+4d^2)a^3 + (b^2+((2d+3)c+d^2+2d)b \\
&\quad + (-d^2-3d)c-d^3-3d^2)a^2 + (-db^2+((-3d-1)c+d^2)b+(d^2+d)c)a+dcb)x^2 + ((c^2+2dc)b^2-d^2cb-d^2c^2-d^3c)a^3 + (-cb^3 \\
&\quad + ((-d-1)c^2+(-d^2-d)c)b^2 + (d^2c^2+(d^3+2d^2)c)b+d^2c^2)a^2 + (dcb^3+(dc^2-d^2c)b^2-d^2c^2b)a)x_1 \\
&\quad - dax^2(x^2-cb)((a^2-2a+1)x^2 + ((-c-d)b+dc+d^2)a^2 + (b^2+(c-d)b-dc)a), \\
&a(a-1)xx_3 - a(a-1)x_1x_2 + a(a^2+(-b+c-1)a-c+d)xx_2 - a(a-1)(a-b)x_1^2 \\
&\quad + ((a^2-2a+1)x^3 + (ca^3+((-c-1)b-c+d)a^2 + (b^2+(c-d)b)a)x + ((-b+d)a^2+(b-d)a)w)x_1 \\
&\quad + x((a^3-2a^2+a)x^3 + (-a^2+2a-1)wx^2 + (-cba^3+(b^2+(c-d)b)a^2)x + (((c+d)b-dc-d^2)a^2 + (-b^2+(-c \\
&\quad + d)b+dc)a)w), \\
&x_2 + (a-b)x_1 + (((a-1)z-ba)x + (b-d)w), \\
&x_1 + (ax-ay-w),
\end{aligned}$$

$$\begin{aligned}
&x_2 + (((a-1)z-a^2)x + (a^2-ba)y + (a-d)w), \\
&x_3 + ((a-1)yx^2 + ((-2a^2+(b-c+2)a+c-d)z+a^3)x + ((a^2-a)z-a^3+ba^2-b^2a)y + (a-1)wz + (-a^2+da-d^2)w), \\
&x_4 - ((a-1)zx^3 + (4a^2+(-2b+c-4)a+b-c+d)yx^2 + ((-3a^2+3a)y^2 + (-3a+3)wy + (a^2-2a+1)z^2 + (-3a^3 \\
&\quad + (2b-3c+3)a^2 + (-b^2+cb-c^2+3c-2d)a + c^2-dc+d^2)z + a^4)x + ((2a^3+(-2b+2c-2)a^2 + (b-2c+d)a)z - a^4 \\
&\quad + ba^3 - b^2a^2 + b^3a)y + (2a^2+(-b+2c-d-2)a - 2c + 2d)wz + (-a^3+da^2-d^2a+d^3)w)
\end{aligned}$$

Modified hyperchaotic Lüsystem

$$\begin{cases} x' &= -ax + (az + a)y, \\ y' &= -zx + by + w, \\ z' &= yx - cz, \\ w' &= -dx. \end{cases} \tag{20}$$

$x_2 - a((y^2 - z^2 - z + a)x + ((-a + b - c)z - a + b)y + wz + w),$

$x_3 + a((4z + 1)yx^2 + ((2a - 3b + c)y^2 - 3wy + (-2a + b - 3c)z^2 + (-2a + b - c + d)z + a^2 + d)x + (-az - a)y^3 + (az^3$
$+ 2az^2 + (-a^2 + (b - c + 1)a - b^2 + 2cb - c^2)z - a^2 + ba - b^2)y + (a - b + 2c)wz + (a - b)w),$

$x_4 + a((4y^2 - 4z^2 - z)x^3 + (((-16a + 12b - 12c)z - 4a + 2b - c + 4d)y + 7wz + w)x^2 + (-ay^4 + (14az^2 + 17az - 3a^2$
$+ (8b - 2c + 3)a - 7b^2 + 4cb - c^2)y^2 + (8a - 10b + 4c)wy - az^4 - 2az^3 + (3a^2 + (-2b + 8c - 1)a + b^2 - 4cb + 7c^2)z^2 + (3a^2$
$+ (-2b + 3c - 2d)a + b^2 + (-c + d)b + c^2 - 3dc)z - 3w^2 - a^3 - 2da + db)x + ((2a^2 + (-6b + 2c)a)z + 2a^2 + (-6b + c)a)y^3$
$+ (-6awz - 6aw)y^2 + ((-2a^2 + (2b - 6c)a)z^3 + (-4a^2 + (4b - 8c + d)a)z^2 + (a^3 + (-b + c - 2)a^2 + (b^2 + (-2c + 2)b + c^2 - 2c + 2d)a$
$- b^3 + 3cb^2 - 3c^2b + c^3)z + a^3 - ba^2 + (b^2 + d)a - b^3)y + awz^3 + 2awz^2 + (-a^2 + (b - 2c + 1)a - b^2 + 3cb - 3c^2)wz + (-a^2 + ba - b^2)w)$

Hyperchaotic Wang-Liu system

$$\begin{cases} x' &= ay - az, \\ y' &= (-cz + b)x + w, \\ z' &= ex^2 - dz, \\ w' &= -fx. \end{cases} \tag{21}$$

$x,\ z,\ w$:

$$\begin{aligned}
&cx_1x_4 - d(cx-d)x_4 - cx_2x_3 + 2dcx_1x_3 - d^2(cx-d)x_3 - a(ec^2x^3 + edcx^2 + (-dcb + fc - 2ed^2)x + d^2b)x_2 \\
&\quad + 2ecax_1^3 + a(4ec^2x^2 - 2dcb + fc + 2ed^2)x_1^2 - da(3ec^2x^3 - 3edcx^2 + (-dcb - fc)x + d^2b - fd)x_1 \\
&\quad - fd^2ax(cx-d), \\
&(cx-d)x_3 - cx_1x_2 + d(cx-d)x_2 + a(ecx^2 - 2edx + cw + db)x_1 + a(cx-d)(ecx^3 + (-db+f)x - dw), \\
&x_2 + a(ex^2 + (cz-b)x - dz - w), \\
&x_1 - a(y-z),
\end{aligned}$$

$$\begin{aligned}
&x_2 + a(ex^2 + (cz-b)x - dz - w), \\
&x_3 + a(ecx^3 - edx^2 + (2eay + (-2ea - dc)z + f)x + (caz - ba)y - caz^2 + (ba + d^2)z), \\
&x_4 - a((2e^2a + edc)x^3 + (-4ecay + 7ecaz - 3eba - ed^2)x^2 + (2eday + c^2az^2 + ((-2cb - 4ed)a - d^2c)z - 2eaw \\
&\quad + b^2a)x - 2ea^2y^2 + ((4ea^2 + 2dca)z - fa)y + (-2ea^2 - 3dca)z^2 + (-caw + (db+f)a + d^3)z + baw) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&y_2 + (ecx^3 + (-dcz + f)x + (caz - ba)y - caz^2 + baz), \\
&y_3 - (edcx^3 + (-4ecay + 5ecaz - eba)x^2 + (c^2az^2 + (-2cba - d^2c)z + b^2a)x + (2dcaz - fa)y - 3dcaz^2 + (-caw \\
&\quad + (db+f)a)z + baw), \\
&y_4 - (5e^2cax^4 + (6ec^2az - 6ecba - ed^2c)x^3 + (5edcay - 14edcaz - 5ecaw + (edb + fe)a)x^2 + (-8eca^2y^2 \\
&\quad + (18eca^2z - 2eba^2)y + (-10eca^2 - 4dc^2a)z^2 + (2eba^2 + (4dcb + 2fc)a + d^3c)z - 2fba)x + (c^2a^2z^2 \\
&\quad + (-2cba^2 - 3d^2ca)z + b^2a^2)y - c^2a^2z^3 + (2cba^2 + 7d^2ca)z^2 + (3dcaw - b^2a^2 + (-d^2b - fd)a)z - faw) \\
&\quad - --
\end{aligned}$$

$$\begin{aligned}
&16z_1^4z_4^2 + 64dzz_1^3z_4^2 + 96d^2z^2z_1^2z_4^2 + 64d^3z^3z_1z_4^2 + 16d^4z^4z_4^2 - 48z_1^3z_2z_3z_4 - 144dzz_1^2z_2z_3z_4 \\
&\quad - 144d^2z^2z_1z_2z_3z_4 - 48d^3z^3z_2z_3z_4 - 16dz_1^4z_3z_4 - 16d^2zz_1^3z_3z_4 + 48d^3z^2z_1^2z_3z_4 + 80d^4z^3z_1z_3z_4 \\
&\quad + 32d^5z^4z_3z_4 + 24z_1^2z_2^3z_4 + 48dzz_1z_2^3z_4 + 24d^2z^2z_2^3z_4 + 24dz_1^3z_2^2z_4 - 72d^3z^2z_1z_2^2z_4 - 48d^4z^3z_2^2z_4 \\
&\quad + 8(4caz - 4ba + 3d^2)z_1^4z_2z_4 + 128daz(cz-b)z_1^3z_2z_4 + 24d^2z^2(8caz - 8ba - 3d^2)z_1^2z_2z_4 \\
&\quad + 16d^3z^3(8caz - 8ba - 3d^2)z_1z_2z_4 + 32d^4az^4(cz-b)z_2z_4 + 64caz_1^6z_4 \\
&\quad + 8(44dcaz + (-4db + 8f)a + 3d^3)z_1^5z_4 + 16dz(48dcaz + (-8db + 20f)a + 3d^3)z_1^4z_4 \\
&\quad + 8d^2z^2(104dcaz + (-24db + 80f)a + 3d^3)z_1^3z_4 + 64d^3az^3(7dcz - 2db + 10f)z_1^2z_4 \\
&\quad + 32d^4az^4(3dcz - db + 10f)z_1z_4 + 64fd^5az^5z_4 + 36z_1^2z_2^2z_3^2 + 72dzz_1z_2^2z_3^2 + 36d^2z^2z_2^2z_3^2 + 24dz_1^3z_2z_3^2 \\
&\quad - 72d^3z^2z_1z_2z_3^2 - 48d^4z^3z_2z_3^2 + 4d^2z_1^4z_3^2 - 8d^3zz_1^3z_3^2 - 12d^4z^2z_1^2z_3^2 + 16d^5z^3z_1z_3^2 + 16d^6z^4z_3^2 \\
&\quad - 36z_1z_2^4z_3 - 36dzz_2^4z_3 - 48dz_1^2z_2^3z_3 + 48d^2zz_1z_2^3z_3 + 96d^3z^2z_2^3z_3 - 48(caz - ba + d^2)z_1^3z_2^2z_3 \\
&\quad - 72dz(2caz - 2ba - d^2)z_1^2z_2^2z_3 - 72d^2z^2(2caz - 2ba - d^2)z_1z_2^2z_3 - 48d^3z^3(caz - ba + d^2)z_2^2z_3 \\
&\quad - 96caz_1^5z_2z_3 - 16(28dcaz + (-4db + 6f)a + 3d^3)z_1^4z_2z_3 - 32daz(23dcz - 5db + 12f)z_1^3z_2z_3 \\
&\quad - 96d^2az^2(5dcz - db + 6f)z_1^2z_2z_3 - 16d^3z^3(4dcaz + (2db + 24f)a + 3d^3)z_1z_2z_3 \\
&\quad + 32d^4az^4(dcz - db - 3f)z_2z_3 - 32dcaz_1^6z_3 - 4d(20dcaz + (-4db + 8f)a + 3d^3)z_1^5z_3 \\
&\quad + 4d^2z(12dcaz + (4db - 16f)a + 3d^3)z_1^4z_3 + 8d^3z^2(38dcaz + (-6db + 8f)a + 3d^3)z_1^3z_3 \\
&\quad + 16d^4az^3(19dcz - 5db + 16f)z_1^2z_3 + 32d^5az^4(3dcz - db + 7f)z_1z_3 + 64fd^6az^5z_3 + 9z_2^6 + 18dz_1z_2^5 \\
&\quad - 36d^2zz_2^5 + 3(8caz - 8ba + 9d^2)z_1^2z_2^4 + 24dz(2caz - 2ba - 3d^2)z_1z_2^4 + 12d^2z^2(2caz - 2ba + 3d^2)z_2^4 \\
&\quad + 48caz_1^4z_2^3 + 12(16dcaz + (-4db + 4f)a + 3d^3)z_1^3z_2^3 + 24dz(8dcaz + (-2db + 6f)a - 3d^3)z_1^2z_2^3 \\
&\quad + 24d^2((2db + 6f)a + 3d^3)z^2z_1z_2^3 - 48d^3az^3(dcz - db - f)z_2^3 - 16a(4ea - 3dc)z_1^5z_2^2 \\
&\quad + (16c^2a^2z^2 + ((-32cb - 320ed)a^2 + 96d^2ca)z + 16b^2a^2 + (-48d^2b + 48fd)a + 27d^4)z_1^4z_2^2 \\
&\quad + 8dz(8c^2a^2z^2 + ((-16cb - 80ed)a^2 - 18d^2ca)z + 8b^2a^2 + 6fda - 9d^4)z_1^3z_2^2 \\
&\quad + 4d^2z^2(24c^2a^2z^2 + ((-48cb - 160ed)a^2 - 96d^2ca)z + 24b^2a^2 + (36d^2b - 36fd)a + 9d^4)z_1^2z_2^2 \\
&\quad + 16d^3az^3(4c^2az^2 + ((-8cb - 20ed)a - 12d^2c)z + 4b^2a + 6d^2b - 15fd)z_1z_2^2 \\
&\quad + 16d^4az^4(c^2az^2 + (-2cb - 4ed)az + b^2a - 6fd)z_2^2 + 16ca(4caz - 4ba + 3d^2)z_1^6z_2 \\
&\quad + 2(176dc^2a^2z^2 + ((-192dcb + 32fc)a^2 + 48d^3ca)z + (16db^2 - 32fb)a^2 + (-24d^3b + 24fd^2)a + 9d^5)z_1^5z_2 \\
&\quad + 4dz(192dc^2a^2z^2 + ((-224dcb + 80fc)a^2 - 24d^3ca)z + (32db^2 - 80fb)a^2 + (-12d^3b + 12fd^2)a - 9d^5)z_1^4z_2 \\
&\quad + 16d^2az^2(52dc^2az^2 + ((-64dcb + 40fc)a - 18d^3c)z + (12db^2 - 40fb)a + 3d^3b - 9fd^2)z_1^3z_2 \\
&\quad + 16d^3az^3(28dc^2az^2 + ((-36dcb + 40fc)a - 9d^3c)z + (8db^2 - 40fb)a + 3d^3b - 15fd^2)z_1^2z_2
\end{aligned}$$

$$
\begin{aligned}
&+ 32d^4az^4(3dc^2az^2 + (-4dcb + 10fc)az + (db^2 - 10fb)a - 3fd^2)z_1z_2 + 64fd^5a^2z^5(cz - b)z_2 + 64c^2a^2z_1^8\\
&+ 16ca(28dcaz + (-4db + 8f)a + 3d^3)z_1^7\\
&+ (1296d^2c^2a^2z^2 + ((-352d^2cb + 832fdc)a^2 + 168d^4ca)z + (16d^2b^2 - 64fdb + 64f^2)a^2 + (-24d^4b\\
&+ 48fd^3)a + 9d^6)z_1^6\\
&+ 16daz(124d^2c^2az^2 + ((-48d^2cb + 140fdc)a + 12d^4c)z + (4d^2b^2 - 20fdb + 24f^2)a - 3d^4b + 9fd^3)z_1^5\\
&+ 8d^2az^2(212d^2c^2az^2 + ((-104d^2cb + 400fdc)a + 9d^4c)z + (12d^2b^2 - 80fdb + 120f^2)a - 3d^4b + 18fd^3)z_1^4\\
&+ 16d^3az^3(48d^2c^2az^2 + (-28d^2cb + 160fdc)az + (4d^2b^2 - 40fdb + 80f^2)a + 3fd^3)z_1^3\\
&+ 16d^4a^2z^4(9d^2c^2z^2 + (-6d^2cb + 68fdc)z + d^2b^2 - 20fdb + 60f^2)z_1^2 + 64fd^5a^2z^5(3dcz - db + 6f)z_1\\
&+ 64f^2d^6a^2z^6,\\
&4z_1^2z_3^2 + 8dzz_1z_3^2 + 4d^2z^2z_3^2 - 4z_1z_2^2z_3 - 4dzz_2^2z_3 + 8d^2zz_1z_2z_3 + 8d^3z^2z_2z_3 + 4(4caz - 4ba - d^2)z_1^3z_3\\
&+ 4dz(12caz - 12ba - d^2)z_1^2z_3 + 48d^2az^2(cz - b)z_1z_3 + 16d^3az^3(cz - b)z_3 + z_2^4 - 4d^2zz_2^3\\
&- 2(4caz - 4ba - d^2)z_1^2z_2^2 - 16daz(cz - b)z_1z_2^2 - 4d^2z^2(2caz - 2ba - d^2)z_2^2 + 4d^2z(4caz - 4ba - d^2)z_1^2z_2\\
&+ 32d^3az^2(cz - b)z_1z_2 + 16d^4az^3(cz - b)z_2 - 16ea^2z_1^5\\
&+ (16c^2a^2z^2 + ((-32cb - 48ed)a^2 - 8d^2ca)z + 32ea^2w + 16b^2a^2 + 8d^2ba + d^4)z_1^4\\
&+ 16a(4dc^2az^3 + ((-8dcb - 3ed^2)a - d^3c)z^2 + (6edaw + 4db^2a + d^3b)z - eaw^2)z_1^3\\
&+ 8daz(12dc^2az^3 + ((-24dcb - 2ed^2)a - d^3c)z^2 + (12edaw + 12db^2a + d^3b)z - 6eaw^2)z_1^2\\
&+ 16d^2a^2z^2(4dc^2z^3 - 8dcbz^2 + (2edw + 4db^2)z - 3ew^2)z_1 + 16d^3a^2z^3(dc^2z^3 - 2dcbz^2 + db^2z - ew^2),\\
&z_2^2 + 2dz_1z_2 + d^2z_1^2 - 4ea^2(y - z)^2z_1 - 4eda^2z(y - z)^2,\\
&z_1 - (ex^2 - dz),
\end{aligned}
$$

$$
\begin{aligned}
&z_2 + (edx^2 + (-2eay + 2eaz)x - d^2z),\\
&z_3 + (2e^2ax^3 + (2ecaz - 2eba - ed^2)x^2 + (2eday - 4edaz - 2eaw)x - 2ea^2y^2 + 4ea^2zy - 2ea^2z^2 + d^3z),\\
&z_4 + (2e^2cax^4 - 4e^2dax^3 + (10e^2a^2y + (-10e^2a^2 - 4edca)z + (2edb + 2fe)a + ed^3)x^2 + ((8eca^2z - 8eba^2\\
&- 2ed^2a)y - 8eca^2z^2 + (8eba^2 + 6ed^2a)z + 2edaw)x + 2eda^2y^2 + (-10eda^2z - 6ea^2w)y + 8eda^2z^2 + (6ea^2w - d^4)z)\\
&- --
\end{aligned}
$$

$$
\begin{aligned}
&f^2cw_1w_4 + f^3dw_4 - f^2cw_2w_3 + f^2dcw_1w_3 + f^3d^2w_3 - fecaw_1^2w_2 - 2f^2edaw_1w_2 - f^3a(cw + db)w_2 + ec^2aw_1^4\\
&\quad + fedcaw_1^3 - f^2c(db - f)aw_1^2 + f^3da(cw - db + f)w_1 + f^4d^2aw,\\
&fw_3 - eaw_1^2 + fa(cz - b)w_1 + f^2a(dz + w),\\
&w_2 + fa(y - z),\\
&w_1 + fx,
\end{aligned}
$$

$$
\begin{aligned}
&w_2 + fa(y - z),\\
&w_3 - fa(ex^2 + (cz - b)x - dz - w),\\
&w_4 - fa(ecx^3 - edx^2 + (2eay + (-2ea - dc)z + f)x + (caz - ba)y - caz^2 + (ba + d^2)z)
\end{aligned}
$$

Hyperchaotic Jia system

$$\begin{cases} x' &= -ax + ay + w, \\ y' &= (-z + b)x - y, \\ z' &= yx - cz, \\ w' &= -zx + dw. \end{cases} \tag{22}$$

x:

$$\begin{aligned}
&-(d+1)a(a+1)x_1x_4 + x((a^2+2a+1)x^2 + ((d+1)c+d^2+d)a^2 + ((d+1)c-d-1)a)x_4 + (d+1)a(a+1)x_2x_3 \\
&\quad -((3a^2+6a+3)x^2 + (d+1)a^3 + ((2d+2)c+2d+2)a^2 + ((2d+2)c-d^2-d)a)x_1x_3 \\
&\quad +(a+c-d+1)x((a^2+2a+1)x^2 + ((d+1)c+d^2+d)a^2 + ((d+1)c-d-1)a)x_3 \\
&\quad -(a+1)((a+1)x^2 + (-d-1)a^2 + (d^2-1)a)x_2^2 + 3(a+1)^2xx_1^2x_2 \\
&\quad -((4a^3 + (2c-d+12)a^2 + (4c-5d+9)a + 2c - 4d + 1)x^2 + ((2d+2)c+d^2+d)a^3 + ((-2d^2+2d+4)c - d^3 - 1)a^2 \\
&\quad +((-2d^2+2)c + d^2 - 1)a)x_1x_2 \\
&\quad +x((a^2+2a+1)x^4 + ((c+1)a^3 + (4c+d^2+2)a^2 + ((-d+4)c-3d)a + (-d+1)c - d)x^2 + ((-d-1)cb + (d+1)c^2 \\
&\quad +(d+1)c - d^3 - d^2)a^3 + (((-d-1)c + d^2 + 2d + 1)b + (-d^2+d+2)c^2 + (-d^3-2d^2-d)c - d^3 - d^2 - d - 1)a^2 + ((-d^2 \\
&\quad +1)c^2 + (-d-1)c + d^2 + d)a)x_2 \\
&\quad +3(a+1)^2(a-d)xx_1^3 \\
&\quad -(((2c+3d+4)a^3 + ((-2d+4)c - 3d^2 - d + 5)a^2 + ((-4d+2)c - 3d^2 - 5d + 1)a - 2dc - d)x^2 + ((-2d-2)cb \\
&\quad +(-2d^2+2)c - d^3 - d^2)a^3 + (((-2d-2)c + d^2 + 2d + 1)b + (-4d^2 - 2d + 2)c - d^3 - d^2 - d - 1)a^2 + ((-2d^2 - 2d)c + d^2 + d)a)x_1^2 \\
&\quad +x((a^3 + (-d+2)a^2 + (-2d+1)a - d)x^4 + ((cb + (2d+2)c + 4d^2 + 4d)a^3 + ((2c - 3d - 3)b + (-d^2 + d + 3)c - d^3 \\
&\quad +2d^2 + 2d - 1)a^2 + ((c - 3d - 3)b + (-d^2 - 2d + 1)c + d^2 + d)a - dc)x^2 + (((-d-1)c^2 + (-2d^2 - 2d)c)b + (-d^2+1)c^2 \\
&\quad +(-d^3 + d^2 + 2d)c)a^3 + (((-d-1)c^2 + (-d^2+1)c)b + (-2d^2 - d + 1)c^2 + (-d^3 + d^2 + d - 1)c)a^2 + ((-d^2 - d)c^2 + (d^2+d)c)a)x_1 \\
&\quad -x^2((da-b)x^2 + (-dcb+dc)a)((a^2+2a+1)x^2 + ((d+1)c+d^2+d)a^2 + ((d+1)c-d-1)a), \\
&a(a+1)xx_3 - a(a+1)x_1x_2 + a(a^2 + (c+2)a + c - d)xx_2 - a(a+1)^2x_1^2 \\
&\quad +(a+1)((a+1)x^3 + (ca^2 + (c-d-1)a)x + (d+1)aw)x_1 \\
&\quad +x((a^3+2a^2+a)x^3 + (-a^2-2a-1)wx^2 + ((-cb+c)a^3 + ((-c+d+1)b + c - d - 1)a^2)x + (((-d-1)c - d^2 - d)a^2 \\
&\quad +((-d-1)c + d + 1)a)w), \\
&x_2 + (a+1)x_1 + (((a+1)z + (-b+1)a)x + (-d-1)w), \\
&x_1 + (ax - ay - w),
\end{aligned}$$

$$\begin{aligned}
&x_2 + (((a+1)z - a^2 - ba)x + (a^2+a)y + (a-d)w), \\
&x_3 + ((a+1)yx^2 + ((-2a^2 + (-c-3)a - c + d)z + a^3 + 2ba^2 + ba)x + ((a^2+a)z - a^3 + (-b-1)a^2 - a)y + (a+1)wz \\
&\quad +(-a^2 + (-b+d)a - d^2)w), \\
&x_4 - (((a+1)z - ba - b)x^3 + (4a^2 + (c+6)a + c - d + 1)yx^2 + ((-3a^2 - 3a)y^2 + (-3a-3)wy + (a^2+2a+1)z^2 + (-3a^3 \\
&\quad +(-2b-3c-5)a^2 + (-2b - c^2 - 4c + 2d - 1)a - c^2 + dc - d^2)z + a^4 + 3ba^3 + (b^2+2b)a^2 + ba)x + ((2a^3 + (2c+4)a^2 + (2c-d+1)a)z \\
&\quad -a^4 + (-2b-1)a^3 + (-2b-1)a^2 - a)y + (2a^2 + (2c-d+3)a + 2c - 2d)wz + (-a^3 + (-2b+d)a^2 + ((d-1)b - d^2)a + d^3)w) \\
&\quad ---
\end{aligned}$$

$$\begin{aligned}
&y_2 + (yx^2 + ((-a-c-1)z + ba + b)x + (az - ba - 1)y + wz - bw), \\
&y_3 - ((z-b)x^3 + (3a+c+2)yx^2 + (-3ay^2 - 3wy + (a+1)z^2 + (-a^2 + (-2b-2c-1)a - b - c^2 - c - 1)z + ba^2 + (b^2+b)a \\
&\quad +b)x + ((a^2 + (2c+2)a)z - ba^2 - 2ba - 1)y + (a + 2c - d + 1)wz + (-ba + (d-1)b)w), \\
&y_4 - (yx^4 + ((-6a - 2c - 2)z + 6ba + (c+2)b)x^3 + (((11a+5)z - 7a^2 + (-11b - 4c - 8)a - b - c^2 - 2c - 3)y + 6wz \\
&\quad -6bw)x^2 + ((10a^2 + (4c+12)a)y^2 + (10a + 4c - 4d + 8)wy + (-2a^2 + (-4c-4)a - 4c + d - 1)z^2 + (a^3 + (4b+3c+1)a^2 \\
&\quad +((4c+6)b + 3c^2 + 2c + 1)a + (c - d + 1)b + c^3 + c^2 + c + 1)z - ba^3 + (-2b^2 - b)a^2 + (-2b^2 - b)a - b)x - 3a^2y^3 - 6awy^2 \\
&\quad +((a^2+a)z^2 + (-a^3 + (-2b - 3c - 2)a^2 + (-b - 3c^2 - 5c - 3)a)z - 3w^2 + ba^3 + (b^2+2b)a^2 + 3ba + 1)y + (a+1)wz^2 + (-a^2 \\
&\quad +(-2b - 3c + d - 1)a - b - 3c^2 + (3d-2)c - d^2 + d - 1)wz + (ba^2 + (b^2 + (-d+1)b)a + (d^2 - d + 1)b)w)
\end{aligned}$$

Hyperchaotic Qi-van Wyk-van Wyk-Chen system

$$\begin{cases} x' &= -ax + (z+a)y, \\ y' &= (-z+b)x + by, \\ z' &= yx - cz - dw, \\ w' &= yx + ez - fw. \end{cases} \tag{23}$$

$x_2 - ((y^2 - z^2 + (-a+b)z + a^2 + ba)x + ((-a+b-c)z - dw - a^2 + ba)y),$

$x_3 + ((4z + a - 3b)yx^2 + ((2a - 3b + c + d)y^2 + (-2a + b - 3c)z^2 + (-3dw - 2a^2 + (3b - c)a - b^2 + 2cb)z + (-da + 2db)w$
$+ a^3 + 2ba^2 - b^2a)x + (-z - a)y^3 + (z^3 + (2a - b)z^2 + ((-b - c)a - b^2 + 2cb - c^2 + ed)z + (-da + 2db - dc - fd)w - a^3 - b^2a)y),$

$x_4 + ((4y^2 - 4z^2 + (-a + 7b)z + ba - 3b^2)x^3 + ((-16a + 12b - 12c - 5d)z - 7dw - 4a^2 + (14b - c - d)a - 10b^2 + (4c$
$+ 4d)b)yx^2 + (-y^4 + (14z^2 + (17a - 11b)z + (-3b - 2c - 2d)a - 7b^2 + (4c + 4d)b - c^2 - dc + (e - f)d)y^2 - z^4 + (-2a + 2b)z^3$
$+ (2a^2 + (2b + 8c)a - 4cb + 7c^2 - 4ed)z^2 + ((8da - 4db + 10dc + 4fd)w + 3a^3 + (-3b + 3c)a^2 + (b^2 - 6cb + c^2 - ed)a - b^3$
$+ 3cb^2 + (-3c^2 + 3ed)b)z + 3d^2w^2 + (3da^2 + (-6db + dc + fd)a + 3db^2 + (-3dc - 3fd)b)w - a^4 - 3ba^3 + b^2a^2 - b^3a)x$
$+ ((2a - 6b + 2c + d)z + dw + 2a^2 + (-6b + c + d)a)y^3 + ((-2a + 2b - 6c)z^3 + (-6dw - 4a^2 + (6b - 8c)a - 2b^2 + 4cb)z^2$
$+ ((-8da + 4db)w - a^3 + (5b - c)a^2 + (-3b^2 + 2cb + c^2 - ed)a - b^3 + 3cb^2 + (-3c^2 + 3ed)b + c^3 - 2edc - fed)z + (-da^2$
$+ (2db + dc + fd)a + 3db^2 + (-3dc - 3fd)b + dc^2 + fdc - ed^2 + f^2d)w + a^4 + ba^3 - b^2a^2 - b^3a)y)$

Rössler system

$$\begin{cases} x' &= -y - z, \\ y' &= x + ay, \\ z' &= zx - cz + b. \end{cases}$$

Under the variables $(\tilde{x}, \tilde{y}, \tilde{z}) = (x + my, y, z)$

$$\begin{cases} x' &= mx + (ma - m^2 - 1)y - z, \\ y' &= x + (a - m)y, \\ z' &= zx - mzy - cz + b. \end{cases} \tag{24}$$

$$\begin{aligned}
P = {} & m(ma - m^2 - 1)x_3^2 + m^2 x_1 x_2 x_3 - m((ma - 1)x + 5ma^2 + (-mc - 8m^2 - 5)a + (m^2 + 1)c + 3m^3 + 3m)x_2 x_3 - m(2ma - m^2 - 1)x_1^2 x_3 \\
& + ((3m^2 a^2 + (-2m^3 - 4m)a + 2m^2 + 1)x + m^2 a^3 - 3m^2 c a^2 + ((5m^3 + 4m)c - 3m^4 - m^2 - 1)a + (-2m^4 - 3m^2 - 1)c + 2m^5 + m^3 - m)x_1 x_3 \\
& - (a - m)((m^2 a^2 - 2ma + 1)x^2 + (-2m^2 a^3 + (-2m^2 c + 4m^3 + 4m)a^2 + ((2m^3 + 4m)c - 2m^4 - 2m^2 - 2)a \\
& + (-2m^2 - 2)c - 2m^3 - 2m)x + m^2 a^4 + (2m^2 c - 4m^3 - 2m)a^3 + (m^2 c^2 + (-6m^3 - 4m)c + 6m^4 + 6m^2 + 1)a^2 \\
& + (4m^2 b + (-2m^3 - 2m)c^2 + (6m^4 + 8m^2 + 2)c - 4m^5 - 6m^3 - 2m)a + (-4m^3 - 4m)b + (m^4 + 2m^2 + 1)c^2 + (-2m^5 - 4m^3 - 2m)c \\
& + m^6 + 2m^4 + m^2)x_3 - m^2 x_2^3 - 2m(ma - 2m^2 - 1)x_1 x_2^2 + m((5ma^2 + (-4m^2 - 5)a - m)x + 4ma^3 + (-5mc - 7m^2 - 4)a^2 \\
& + ((9m^2 + 5)c + 3m^3 + 3m)a - mb + (-4m^3 - 4m)c)x_2^2 - m^2 x_1^3 x_2 + ((3m^2 a - 2m)x + 5m^2 a^2 + (-3m^2 c - 5m^3 - 3m)a + (3m^3 + 2m)c \\
& - 2m^4 - m^2 - 1)x_1^2 x_2 - ((3m^2 a^2 - 4ma + 1)x^2 + (7m^2 a^3 + (-6m^2 c - 2m^3 - 6m)a^2 + ((6m^3 + 8m)c - 4m^4 + m^2 - 1)a \\
& + (-4m^2 - 2)c - 6m^3 - 5m)x + 2m^2 a^4 + (-7m^2 c - 4m^3 - 2m)a^3 + (3m^2 c^2 + (9m^3 + 6m)c + 3m^4 + 8m^2)a^2 + (2m^2 b + (-6m^3 - 4m)c^2 \\
& + (2m^4 + 1)c - 2m^5 - 11m^3 - 6m)a + (-4m^3 - 2m)b + (3m^4 + 4m^2 + 1)c^2 + (-4m^5 - 5m^3 - m)c + m^6 + 5m^4 + 4m^2)x_1 x_2 \\
& + ((m^2 a^3 - 2ma^2 + a)x^3 + (-m^2 a^4 + (-3m^2 c + 3m^3 + 2m)a^3 + ((3m^3 + 6m)c - 2m^4 + 4m^2 - 1)a^2 \\
& + ((-4m^2 - 3)c - 6m^3 - 7m)a + mc)x^2 + (-m^2 a^5 + (2m^2 c + 2m^3 + 2m)a^4 + (3m^2 c^2 + (-8m^3 - 4m)c - 1)a^3 + (4m^2 b + (-6m^3 - 6m)c^2 \\
& + (10m^4 + 4m^2 + 2)c - 2m^5 - 6m^3 - 2m)a^2 + ((-4m^3 - 4m)b + (3m^4 + 8m^2 + 3)c^2 + (-4m^5 + 6m^3 + 4m)c + m^6 + 4m^4 + 3m^2)a \\
& + (-2m^3 - 2m)c^2 + (-6m^4 - 6m^2)c)x + m^2 a^6 + (m^2 c - 5m^3 - 2m)a^5 + (-m^2 c^2 + (-3m^3 - 2m)c + 10m^4 + 8m^2 + 1)a^4 + (8m^2 b - m^2 c^3 \\
& + (5m^3 + 2m)c^2 + (2m^4 + 4m^2 + 1)c - 10m^5 - 12m^3 - 3m)a^3 + ((-4m^2 c - 20m^3 - 8m)b + (3m^3 + 2m)c^3 + (-9m^4 - 8m^2 - 1)c^2 \\
& + (2m^5 - m)c + 5m^6 + 8m^4 + 3m^2)a^2 + (((8m^3 + 4m)c + 16m^4 + 12m^2)b + (-3m^4 - 4m^2 - 1)c^3 + (7m^5 + 10m^3 + 3m)c^2 \\
& + (-3m^6 - 4m^4 - m^2)c - m^7 - 2m^5 - m^3)a + ((-4m^4 - 4m^2)c - 4m^5 - 4m^3)b + (m^5 + 2m^3 + m)c^3 \\
& + (-2m^6 - 4m^4 - 2m^2)c^2 + (m^7 + 2m^5 + m^3)c)x_2 + m^2 a x_1^4 - ((3m^2 a^2 - 2ma + m^2)x + m^2 a^3 - 3m^2 c a^2 + ((3m^3 + 2m)c - 2m^4 - 1)a \\
& - m^3 - m)x_1^3 + ((3m^2 a^3 - 4ma^2 + (3m^2 + 1)a - 2m)x^2 + ((-6m^2 c + 4m^3 + 2m)a^3 + ((6m^3 + 8m)c - 4m^4 - 2)a^2 \\
& + ((-7m^2 - 2)c - 4m^3 - 6m)a + (3m^3 + 2m)c - 2m^4)x + m^2 a^5 + (-4m^3 - 2m)a^4 + (3m^2 c^2 + (-4m^3 - 2m)c + 6m^4 + 7m^2 + 1)a^3 \\
& + (4m^2 b + (-6m^3 - 4m)c^2 + (8m^4 + 5m^2 + 2)c - 4m^5 - 6m^3 - 2m)a^2 + ((-6m^3 - 2m)b + (3m^4 + 4m^2 + 1)c^2 + (-4m^5 - m^3 + 2m)c \\
& + m^6 - m^4 - m^2 - 1)a + (m^4 - 1)b + (-2m^4 - 3m^2 - 1)c + 2m^5 + 2m^3)x_1^2 \\
& - ((m^2 a^4 - 2ma^3 + (3m^2 + 1)a^2 - 4ma + 1)x^3 + (-2m^2 a^5 + (-3m^2 c + 4m^3 + 4m)a^4 + ((3m^3 + 6m)c - 2m^4 - m^2 - 2)a^3 \\
& + ((-10m^2 - 3)c + m^3 - 2m)a^2 + ((6m^3 + 9m)c - 4m^4 - 2m^2 - 1)a + (-4m^2 - 2)c - 2m^3 - 3m)x^2 + (m^2 a^6 + (4m^2 c - 4m^3 - 2m)a^5 \\
& + (3m^2 c^2 + (-12m^3 - 8m)c + 6m^4 + 5m^2 + 1)a^4 + (6m^2 b + (-6m^3 - 6m)c^2 + (12m^4 + 12m^2 + 4)c - 4m^5 - 4m^3)a^3 \\
& + ((-8m^3 - 6m)b + (3m^4 + 11m^2 + 3)c^2 + (-4m^5 - 4m^3)c + m^6 + 2m^4 + m^2 - 1)a^2 + ((2m^4 + 8m^2)b + (-8m^3 - 6m)c^2 + 4m^4 \\
& c - 2m^5 - 6m^3 - 2m)a + (-6m^3 - 4m)b + (3m^4 + 4m^2 + 1)c^2 + (-4m^5 - 4m^3)c + m^6 + 4m^4 + 3m^2)x - m^2 c a^6 \\
& + (-2m^2 c^2 + (5m^3 + 2m)c + m^2)a^5 + (2m^2 b - m^2 c^3 + (8m^3 + 4m)c^2 + (-10m^4 - 6m^2 - 1)c - 5m^3 - 2m)a^4 + ((-6m^2 c - 4m^3 - 2m)b \\
& + (3m^3 + 2m)c^3 + (-12m^4 - 11m^2 - 2)c^2 + (10m^5 + 4m^3 - m)c + 10m^4 + 8m^2 + 1)a^3 + (((14m^3 + 6m)c + 6m^2)b + (-3m^4 - 4m^2 - 1)c^3 \\
& + (8m^5 + 9m^3 + 2m)c^2 + (-5m^6 + 4m^4 + 9m^2 + 2)c - 10m^5 - 12m^3 - 3m)a^2 + (((-10m^4 - 8m^2)c + 4m^5 - 6m^3 - 4m)b \\
& + (m^5 + 2m^3 + m)c^3 + (-2m^6 - m^4 + 2m^2 + 1)c^2 + (m^7 - 6m^5 - 11m^3 - 4m)c + 5m^6 + 8m^4 + 3m^2)a \\
& + ((2m^5 + 2m^3)c - 2m^6 + 2m^4 + 4m^2)b + (-m^5 - 2m^3 - m)c^2 + (2m^6 + 4m^4 + 2m^2)c - m^7 - 2m^5 - m^3)x_1 \\
& + (ax^2 + (-ca + mc)x + ba^2 - 2mba + m^2 b)((m^2 a^2 - 2ma + 1)x^2 + (-2m^2 a^3 + (-2m^2 c + 4m^3 + 4m)a^2 + ((2m^3 + 4m)c \\
& - 2m^4 - 2m^2 - 2)a + (-2m^2 - 2)c - 2m^3 - 2m)x + m^2 a^4 + (2m^2 c - 4m^3 - 2m)a^3 + (m^2 c^2 + (-6m^3 - 4m)c + 6m^4 + 6m^2 + 1)a^2 \\
& + (4m^2 b + (-2m^3 - 2m)c^2 + (6m^4 + 8m^2 + 2)c - 4m^5 - 6m^3 - 2m)a + (-4m^3 - 4m)b + (m^4 + 2m^2 + 1)c^2 \\
& + (-2m^5 - 4m^3 - 2m)c + m^6 + 2m^4 + m^2), \\
& (ma - m^2 - 1)x_2 - (mz + ma^2 + (-m^2 - 1)a)x_1 \\
& + (((ma - 1)z + ma - m^2 - 1)x - mz^2 + (-ma^2 + (-mc + 2m^2 + 1)a + (m^2 + 1)c - m^3 - m)z + mba + (-m^2 - 1)b), \\
& x_1 - (mx + (ma - m^2 - 1)y - z)
\end{aligned}$$

$$\begin{aligned}
P_0 := P\,\big|_{m=0} = {} & (x_1 - ax + a^2 + ca)((x - a - c)x_3 + (-x_1 - x^2 + 2cx + a^2 - c^2)x_2 + a x_1^2 + (ax^2 + (-a^2 - 2ca)x + ca^2 + (c^2 - 1)a - b - c)x_1 \\
& - x^3 + (a + 2c)x^2 + ((-b - c)a - c^2)x + ba^2 + cba) \\
= {} & \Big(x_1 - ax + a^2 + ca\Big)\Big(((x - a - c)x_3 + (-x_1 - x^2 + 2cx + a^2 - c^2)x_2 + a x_1^2 + (ax^2 + (-a^2 - 2ca)x + ca^2 + (c^2 - 1)a - b - c)x_1 \\
& - x^3 + (a + 2c)x^2 + ((-b - c)a - c^2)x + ba^2 + cba)\Big)
\end{aligned}$$

Under the variables $(\tilde{x},\tilde{y},\tilde{z})=(mx+y,x,z)$

$$\begin{cases} x' &= (a-m)x+(-ma+m^2+1)y-mz,\\ y' &= -x+my-z,\\ z' &= zy-cz+b. \end{cases} \tag{25}$$

$$\begin{aligned}
Q = {} & m^3(ma-m^2-1)x_3^2+m^3x_1x_2x_3-m^2((ma-m^2)x+5m^2a^2+(-m^2c-5m^3-8m)a+(m^3+m)c+3m^2+3)x_2x_3-m^2(2ma-m^2-1)x_1^2x_3\\
& +m((3m^2a^2+(-4m^3-2m)a+m^4+2m^2)x+m^3a^3-3m^3ca^2+((4m^4+5m^2)c-m^5-m^3-3m)a+(-m^5-3m^3-2m)c-m^4+m^2+2)x_1x_3\\
& -(ma-1)((m^2a^2-2m^3a+m^4)x^2+(-2m^3a^3+(-2m^3c+4m^4+4m^2)a^2+((4m^4+2m^2)c-2m^5-2m^3-2m)a\\
& +(-2m^5-2m^3)c-2m^4-2m^2)x+m^4a^4+(2m^4c-2m^5-4m^3)a^3+(m^4c^2+(-4m^5-6m^3)c+m^6+6m^4+6m^2)a^2+(4m^4b+(-2m^5-2m^3)c^2\\
& +(2m^6+8m^4+6m^2)c-2m^5-6m^3-4m)a+(-4m^5-4m^3)b+(m^6+2m^4+m^2)c^2+(-2m^5-4m^3-2m)c+m^4+2m^2+1)x_3\\
& -m^3x_2^3-2m^2(ma-m^2-2)x_1x_2^2+m^2((5ma^2+(-5m^2-4)a-m)x+4m^2a^3+(-5m^2c-4m^3-7m)a^2+((5m^3+9m)c+3m^2+3)a-m^2b\\
& +(-4m^2-4)c)x_2^2-m^2x_1^3x_2+m((3ma-2m^2)x+5m^2a^2+(-3m^2c-3m^3-5m)a+(2m^3+3m)c-m^4-m^2-2)x_1^2x_2\\
& -((3m^2a^2-4m^3a+m^4)x^2+(7m^3a^3+(-6m^3c-6m^4-2m^2)a^2+((8m^4+6m^2)c-m^5+m^3-4m)a\\
& +(-2m^5-4m^3)c-5m^4-6m^2)x+2m^4a^4+(-7m^4c-2m^5-4m^3)a^3+(3m^4c^2+(6m^5+9m^3)c+8m^4+3m^2)a^2+(2m^4b+(-4m^5-6m^3)c^2\\
& +(m^6+2m^2)c-6m^5-11m^3-2m)a+(-2m^5-4m^3)b+(m^6+4m^4+3m^2)c^2+(-m^5-5m^3-4m)c+4m^4+5m^2+1)x_1x_2\\
& +((m^2a^3-2m^3a^2+m^4a)x^3+(-m^3a^4+(-3m^3c+2m^4+3m^2)a^3+((6m^4+3m^2)c-m^5+4m^3-2m)a^2\\
& +((-3m^5-4m^3)c-7m^4-6m^2)a+m^4c)x^2+(-m^4a^5+(2m^4c+2m^5+2m^3)a^4+(3m^4c^2+(-4m^5-8m^3)c-m^6)a^3+(4m^4b+(-6m^5-6m^3)c^2\\
& +(2m^6+4m^4+10m^2)c-2m^5-6m^3-2m)a^2+((-4m^5-4m^3)b+(3m^6+8m^4+3m^2)c^2+(4m^5+6m^3-4m)c+3m^4+4m^2+1)a\\
& +(-2m^5-2m^3)c^2+(-6m^4-6m^2)c)x+m^5a^6+(m^5c-2m^6-5m^4)a^5+(-m^5c^2+(-2m^6-3m^4)c+m^7+8m^5+10m^3)a^4+(8m^5b-m^5c^3\\
& +(2m^6+5m^4)c^2+(m^7+4m^5+2m^3)c-3m^6-12m^4-10m^2)a^3+((-4m^5c-8m^6-20m^4)b+(2m^6+3m^4)c^3\\
& +(-m^7-8m^5-9m^3)c^2+(-m^6+2m^2)c+3m^5+8m^3+5m)a^2+(((4m^6+8m^4)c+12m^5+16m^3)b+(-m^7-4m^5-3m^3)c^3+(3m^6+10m^4\\
& +7m^2)c^2+(-m^5-4m^3-3m)c-m^4-2m^2-1)a+((-4m^5-4m^3)c-4m^4-4m^2)b+(m^6+2m^4+m^2)c^3+(-2m^5-4m^3-2m)c^2\\
& +(m^4+2m^2+1)c)x_2+m^2ax_1^4-m((3ma^2-2m^2a+m)x+m^2a^3-3m^2ca^2+((2m^3+3m)c-m^4-2)a-m^3-m)x_1^3\\
& +((3m^2a^3-4m^3a^2+(m^4+3m^2)a-2m^3)x^2+((-6m^3c+2m^4+4m^2)a^3+((8m^4+6m^2)c-2m^5-4m)a^2\\
& +((-2m^5-7m^3)c-6m^4-4m^2)a+(2m^4+3m^2)c-2m)x+m^4a^5+(-2m^5-4m^3)a^4+(3m^4c^2+(-2m^5-4m^3)c+m^6+7m^4+6m^2)a^3+(4m^4b\\
& +(-4m^5-6m^3)c^2+(2m^6+5m^4+8m^2)c-2m^5-6m^3-4m)a^2+((-2m^5-6m^3)b+(m^6+4m^4+3m^2)c^2+(2m^5-m^3-4m)c-m^6-m^4-m^2\\
& +1)a+(-m^6+m^2)b+(-m^6-3m^4-2m^2)c+2m^3+2m)x_1^2\\
& -((m^2a^4-2m^3a^3+(m^4+3m^2)a^2-4m^3a+m^4)x^3+(-2m^3a^5+(-3m^3c+4m^4+4m^2)a^4+((6m^4+3m^2)c-2m^5-m^3\\
& -2m)a^3+((-3m^5-10m^3)c-2m^4+m^2)a^2+((9m^4+6m^2)c-m^5-2m^3-4m)a+(-2m^5-4m^3)c-3m^4-2m^2)x^2+(m^4a^6\\
& +(4m^4c-2m^5-4m^3)a^5+(3m^4c^2+(-8m^5-12m^3)c+m^6+5m^4+6m^2)a^4+(6m^4b+(-6m^5-6m^3)c^2+(4m^6+12m^4\\
& +12m^2)c-4m^3-4m)a^3+((-6m^5-8m^3)b+(3m^6+11m^4+3m^2)c^2+(-4m^3-4m)c-m^6+m^4+2m^2+1)a^2+((8m^4+2m^2)b\\
& +(-6m^5-8m^3)c^2+4m^2c-2m^5-6m^3-2m)a+(-4m^5-6m^3)b+(m^6+4m^4+3m^2)c^2+(-4m^3-4m)c+3m^4+4m^2+1)x-m^5ca^6\\
& +(-2m^5c^2+(2m^6+5m^4)c+m^5)a^5+(2m^5b-m^5c^3+(4m^6+8m^4)c^2+(-m^7-6m^5-10m^3)c-2m^6-5m^4)a^4\\
& +((-6m^5c-2m^6-4m^4)b+(2m^6+3m^4)c^3+(-2m^7-11m^5-12m^3)c^2+(-m^6+4m^4+10m^2)c+m^7+8m^5+10m^3)a^3+(((6m^6+14m^4)c\\
& +6m^5)b+(-m^7-4m^5-3m^3)c^3+(2m^6+9m^4+8m^2)c^2+(2m^7+9m^5+4m^3-5m)c-3m^6-12m^4-10m^2)a^2\\
& +(((-8m^5-10m^3)c-4m^6-6m^4+4m^2)b+(m^6+2m^4+m^2)c^3+(m^7+2m^5-m^3-2m)c^2+(-4m^6-11m^4-6m^2+1)c+3m^5+8m^3+5m)a\\
& +((2m^4+2m^2)c+4m^5+2m^3-2m)b+(-m^6-2m^4-m^2)c^2+(2m^5+4m^3+2m)c-m^4-2m^2-1)x_1\\
& +(ax^2+(-mca+c)x+m^2ba^2-2mba+b)((m^2a^2-2m^3a+m^4)x^2+(-2m^3a^3+(-2m^3c+4m^4+4m^2)a^2+((4m^4\\
& +2m^2)c-2m^5-2m^3-2m)a+(-2m^5-2m^3)c-2m^4-2m^2)x+m^4a^4+(2m^4c-2m^5-4m^3)a^3+(m^4c^2+(-4m^5-6m^3)c+m^6\\
& +6m^4+6m^2)a^2+(4m^4b+(-2m^5-2m^3)c^2+(2m^6+8m^4+6m^2)c-2m^5-6m^3-4m)a+(-4m^5-4m^3)b+(m^6+2m^4+m^2)c^2\\
& +(-2m^5-4m^3-2m)c+m^4+2m^2+1),\\
& (ma-m^2-1)x_2-(mz+ma^2+(-m^2-1)a)x_1\\
& +(((ma-m^2)z+ma-m^2-1)x-m^2z^2+(-m^2a^2+(-m^2c+m^3+2m)a+(m^3+m)c-m^2-1)z+m^2ba+(-m^3-m)b),\\
& x_1-((a-m)x+(-ma+m^2+1)y-mz),
\end{aligned}$$

$$Q_0:=Q\,\big|_{m=0}=(x_3+(-x_1+ax-a+c)x_2+ax_1^2+((-a^2-1)x-ca+1)x_1+ax^2+cx+b)$$

Under the variables $(\tilde{x},\tilde{y},\tilde{z})=(x+mz,y,z)$

$$\begin{cases} x' &= mzx-y-m^2z^2+(-mc-1)z+mb,\\ y' &= x+ay-mz,\\ z' &= zx-mz^2-cz+b. \end{cases} \tag{26}$$

$$
\begin{aligned}
P =& 8m^5x_3^3 - 4m^4(3mx + 11ma - 3mc + 5)x_2x_3^2 - 8m^5x_1^2x_3^2 \\
&- 4m^3(m^2x^2 + (-5m^2a - 2m^2c - 5m)x - 4m^2a^2 + (5m^2c - 4m)a + 4m^3b + m^2c^2 + 5mc - 8m^2 + 2)x_1x_3^2 \\
&+ m(m^4x^4 - 4m^4cx^3 + (-2m^4a^2 - 14m^3a + 8m^5b + 6m^4c^2 - 10m^4 - 2m^2)x^2 + ((4m^4c + 12m^3)a^2 + (28m^3c - 12m^4 \\
&+ 12m^2)a - 16m^5cb - 4m^4c^3 + (20m^4 + 4m^2)c - 12m^3)x + m^4a^4 - 6m^3a^3 + (-8m^5b - 2m^4c^2 - 12m^3c - 10m^4 + 2m^2)a^2 \\
&+ (-56m^4b - 14m^3c^2 + (-12m^4 - 12m^2)c + 12m^3 - 6m)a + 16m^6b^2 + (8m^5c^2 - 40m^5 - 8m^3)b + m^4c^4 + (-10m^4 - 2m^2)c^2 - 12m^3c + 16m^4 \\
&- 10m^2 + 1)x_3^2 - 8m^5x_1x_2^2x_3 \\
&+ 2m^3(5m^2x^2 + (22m^2a - 10m^2c + 10m)x + 33m^2a^2 + (-22m^2c + 54m)a + 8m^3b + 5m^2c^2 - 10mc + 32m^2 + 1)x_2^2x_3 \\
&+ 2m^4(9mx + 21ma - 9mc + 7)x_1^2x_2x_3 \\
&- m^2(m^3x^3 + (15m^3a - 3m^3c + 17m^2)x^2 + (79m^3a^2 + (-30m^3c + 140m^2)a + 4m^4b + 3m^3c^2 - 34m^2c + 82m^3 + 15m)x \\
&+ 33m^3a^3 + (-79m^3c + 159m^2)a^2 + (-20m^4b + 15m^3c^2 - 140m^2c + 230m^3 - 59m)a + (-4m^4c - 12m^3)b - m^3c^3 + 17m^2c^2 \\
&+ (-70m^3 - 15m)c - 2m^2 - 1)x_1x_2x_3 - m(m^4x^5 + (2m^4a - 5m^4c)x^4 + (-2m^4a^2 + (-8m^4c - 11m^3)a + 8m^5b + 10m^4c^2 - 13m^4 - 2m^2)x^3 \\
&+ (-4m^4a^3 + (6m^4c - 47m^3)a^2 + (16m^5b + 12m^4c^2 + 33m^3c - 63m^4 - 23m^2)a - 24m^5cb - 10m^4c^3 + (33m^4 + 6m^2)c - 43m^3)x^2 + (m^4a^4 \\
&+ (8m^4c + 19m^3)a^3 + (-8m^5b - 6m^4c^2 + 94m^3c - 35m^4 + 112m^2)a^2 + ((-32m^5c - 44m^4)b - 8m^4c^3 - 33m^3c^2 + (102m^4 \\
&+ 46m^2)c - 14m^3 - 5m)a + 16m^6b^2 + (24m^5c^2 - 52m^5 - 8m^3)b + 5m^4c^4 + (-27m^4 - 6m^2)c^2 + 62m^3c - 68m^4 - 11m^2 + 1)x \\
&+ 2m^4a^5 + (-m^4c - 9m^3)a^4 + (-16m^5b - 4m^4c^2 - 19m^3c - 17m^4 - 15m^2)a^3 + ((8m^5c - 236m^4)b + 2m^4c^3 - 47m^3c^2 \\
&+ (-15m^4 - 112m^2)c - 23m^3 - 31m)a^2 + (32m^6b^2 + (16m^5c^2 + 44m^4c - 204m^5 - 140m^3)b + 2m^4c^4 + 11m^3c^3 + (-39m^4 - 23m^2)c^2 \\
&+ (-206m^3 + 5m)c + 4m^4 - 67m^2 + 5)a - 16m^6cb^2 + (-8m^5c^3 + (28m^5 + 8m^3)c - 124m^4)b - m^4c^5 + (7m^4 + 2m^2)c^3 - 19m^3c^2 + (-100m^4 \\
&+ 9m^2 - 1)c - 28m^3 + 3m)x_2x_3 \\
&+ 2m^5x_1^4x_3 + 2m^3(m^2x^2 + (-11m^2a - 2m^2c - 5m)x - 8m^2a^2 + (11m^2c - 6m)a + 8m^3b + m^2c^2 + 5mc - 10m^2 + 4)x_1^3x_3 \\
&- m((m^4a + 7m^3)x^3 + (-17m^4a^2 + (-3m^4c - 37m^3)a + 4m^5b - 21m^3c - 7m^4 - 17m^2)x^2 + (-17m^4a^3 + (34m^4c \\
&- 69m^3)a^2 + (4m^5b + 3m^4c^2 + 74m^3c - 108m^4 + 17m^2)a + (-8m^5c + 28m^4)b + 21m^3c^2 + (2m^4 + 34m^2)c - 48m^3 + 9m)x + m^4a^4 \\
&+ (17m^4c - 61m^3)a^3 + (-8m^5b - 17m^4c^2 + 69m^3c - 97m^4 + 38m^2)a^2 + ((-4m^5c - 24m^4)b - m^4c^3 - 37m^3c^2 + (84m^4 \\
&- 17m^2)c + 6m^3 - 13m)a + 16m^6b^2 + (4m^5c^2 - 28m^4c + 24m^5 - 8m^3)b - 7m^3c^3 + (5m^4 - 17m^2)c^2 + (24m^3 - 9m)c - 34m^4 - m^2 + 1)x_1^2x_3 \\
&+ ((m^5a + m^4)x^5 + ((-5m^5c + 8m^4)a - 5m^4c + 4m^5)x^4 + (-2m^5a^3 - 29m^4a^2 + (8m^6b + 10m^5c^2 - 32m^4c - 23m^5 \\
&- 29m^3)a + 8m^5b + 10m^4c^2 - 22m^5c - 23m^4 - 2m^2)x^3 + ((6m^5c - 11m^4)a^3 + (87m^4c - 41m^5 + 30m^3)a^2 + ((-24m^6c \\
&+ 52m^5)b - 10m^5c^3 + 48m^4c^2 + (69m^5 + 87m^3)c - 94m^4 + 25m^2)a + (-24m^5c + 44m^6)b - 10m^4c^3 + 42m^5c^2 + (69m^4 + 6m^2)c \\
&- 64m^5 - 5m^3)x^2 + (m^5a^5 - 4m^4a^4 + (-8m^6b - 6m^5c^2 + 22m^4c - 9m^5 + 67m^3)a^3 + (-116m^5b - 87m^4c^2 + (56m^5 - 60m^3)c \\
&+ 9m^4 - 41m^2)a^2 + (16m^7b^2 + (24m^6c^2 - 104m^5c - 92m^6 - 116m^4)b + 5m^5c^4 - 32m^4c^3 + (-69m^5 - 87m^3)c^2 + (76m^4 \\
&- 50m^2)c - 96m^5 + 9m^3 - 4m)a + 16m^6b^2 + (24m^5c^2 - 112m^6c - 92m^5 - 8m^3)b + 5m^4c^4 - 34m^5c^3 + (-69m^4 - 6m^2)c^2 + (68m^5 \\
&- 16m^3)c + 12m^4 - 9m^2 + 1)x + (-m^5c + 3m^4)a^5 + (4m^4c + 5m^5 - 20m^3)a^4 + ((8m^6c - 96m^5)b + 2m^5c^3 - 11m^4c^2 + (9m^5 \\
&- 67m^3)c - 60m^4 - 6m^2)a^3 + ((116m^5c - 112m^6 - 104m^4)b + 29m^4c^3 + (-15m^5 + 30m^3)c^2 + (-165m^4 + 41m^2)c - 48m^5 \\
&- 6m^3 + 8m)a^2 + ((-16m^7c + 80m^6)b^2 + (-8m^6c^3 + 52m^5c^2 + (92m^6 + 116m^4)c - 272m^5 + 48m^3)b - m^5c^5 + 8m^4c^4 \\
&+ (23m^5 + 29m^3)c^3 + (18m^4 + 25m^2)c^2 + (-108m^5 + 51m^3 + 4m)c + 28m^4 + 4m^2 - 1)a + (-16m^6c + 112m^7)b^2 + (-8m^5c^3 \\
&+ 68m^6c^2 + (92m^5 + 8m^3)c - 136m^6 + 32m^4)b - m^4c^5 + 10m^5c^4 + (23m^4 + 2m^2)c^3 + (-4m^5 + 21m^3)c^2 + (9m^2 - 1)c + 40m^5 \\
&- 12m^3 + m)x_1x_3(a + m)(m^4x^6 - 6m^4cx^5 + (-2m^4a^2 - 10m^3a + 12m^5b + 15m^4c^2 - 6m^4 - 2m^2)x^4 + ((8m^4c + 18m^3)a^2 + (40m^3c \\
&- 18m^4 + 18m^2)a - 48m^5cb - 20m^4c^3 + (24m^4 + 8m^2)c - 18m^3)x^3 + (m^4a^4 - 6m^3a^3 \\
&+ (-16m^5b - 12m^4c^2 - 54m^3c - 10m^4 - 29m^2)a^2 + (-80m^4b - 60m^3c^2 + (18m^4 - 54m^2)c + 58m^3 - 6m)a + 48m^6b^2 + (72m^5c^2 - 48m^5 - 16m^3)b \\
&+ 15m^4c^4 + (-36m^4 - 12m^2)c^2 + 18m^3c - 15m^4 - 10m^2 + 1)x^2 + ((-2m^4c - 2m^3)a^4 + (12m^3c + 2m^4 + 12m^2)a^3 + ((32m^5c + 72m^4)b + 8m^4c^3 \\
&+ 54m^3c^2 + (20m^4 + 58m^2)c + 6m^3 + 12m)a^2 + ((160m^4c - 72m^5 + 72m^3)b + 40m^3c^3 + (18m^4 + 54m^2)c^2 + (-8m^3 + 12m)c \\
&- 18m^4 + 6m^2 - 2)a - 96m^6cb^2 + (-48m^5c^3 + (96m^5 + 32m^3)c - 72m^4)b - 6m^4c^5 + (24m^4 + 8m^2)c^3 + 18m^3c^2 + (-78m^4 \\
&+ 20m^2 - 2)c - 18m^3 + 2m)x + (4m^5b + m^4c^2 + 2m^3c + m^2)a^4 + (-24m^4b - 6m^3c^2 + (2m^4 - 12m^2)c + 2m^3 - 6m)a^3 \\
&+ (-32m^6b^2 + (-16m^5c^2 - 72m^4c - 40m^5 - 8m^3)b - 2m^4c^4 - 18m^3c^3 + (-10m^4 - 29m^2)c^2 + (-30m^3 - 12m)c + m^4 - 20m^2 + 1)a^2 \\
&+ (-160m^5b^2 + (-80m^4c^2 + (-72m^5 - 72m^3)c + 16m^4 - 24m^2)b - 10m^3c^4 + (-18m^4 - 18m^2)c^3 + (-50m^3 - 6m)c^2 \\
&+ (-18m^4 - 30m^2 + 2)c - 22m^3 + 2m)a + 64m^7b^3 + (48m^6c^2 - 96m^6 - 32m^4)b^2 + (12m^5c^4 + (-48m^5 - 16m^3)c^2 - 72m^4c + 48m^5 \\
&- 40m^3 + 4m)b + m^4c^6 + (-6m^4 - 2m^2)c^4 - 18m^3c^3 + (-15m^4 - 10m^2 + 1)c^2 + (-18m^3 + 2m)c - 8m^4 + m^2)x_3 \\
&+ 32m^5x_2^4 - 4m^4(9mx + 25ma - 9mc - 17)x_1x_2^3 \\
&- m^2(3m^3x^3 + (5m^3a - 9m^3c - 5m^2)x^2 + (33m^3a^2 + (-10m^3c + 142m^2)a + 8m^4b + 9m^3c^2 + 10m^2c - 56m^3 + m)x \\
&+ 31m^3a^3 + (-33m^3c + 83m^2)a^2 + (-24m^4b + 5m^3c^2 - 142m^2c + 56m^3 - 3m)a + (-8m^4c - 40m^3)b - 3m^3c^3 - 5m^2c^2 \\
&+ (-120m^3 - m)c - 8m^2 + 1)x_2^3 + 6m^5x_1^3x_2^2 \\
&+ 2m^3(3m^2x^2 + (31m^2a - 6m^2c - 41m)x + 52m^2a^2 + (-31m^2c - 108m)a - 10m^3b + 3m^2c^2 + 41mc - 16m^2 + 22)x_1^2x_2^2 \\
&+ m(3m^4x^4 + (3m^4a - 12m^4c - m^3)x^3 + (9m^4a^2 + (-9m^4c + 137m^3)a + 18m^5b + 18m^4c^2 + 3m^3c - 53m^4 + 31m^2)x^2 \\
&+ (61m^4a^3 + (-18m^4c + 445m^3)a^2 + (-8m^5b + 9m^4c^2 - 274m^3c - 32m^4 - 105m^2)a + (-36m^5c - 24m^4)b - 12m^4c^3 - 3m^3c^2 \\
&+ (-56m^4 - 62m^2)c + 162m^3 + m)x + 20m^4a^4 + (-61m^4c + 123m^3)a^3 + (-106m^5b + 9m^4c^2 - 445m^3c + 173m^4 - 34m^2)a^2 + ((8m^5c \\
&- 52m^4)b - 3m^4c^3 + 137m^3c^2 + (-410m^4 + 105m^2)c + 104m^3 + 13m)a + 24m^6b^2 + (18m^5c^2 + 24m^4c - 8m^5 + 86m^3)b + 3m^4c^4 \\
&+ m^3c^3 + (109m^4 + 31m^2)c^2 + (104m^3 - m)c + 88m^4 + 19m^2 - 2)x_1x_2^2 \\
&+ m(m^4ax^5 + (m^4a^2 - 5m^4ca - m^5b - 3m^4)x^4 + (-2m^4a^3 + (-4m^4c - 47m^3)a^2 + (8m^5b + 10m^4c^2 - 8m^4 - 38m^2)a
\end{aligned}
$$

$$+ 4m^5cb + 9m^4c + 5m^3)x^3 + (-2m^4a^4 + (6m^4c - 33m^3)a^3 + (10m^5b + 6m^4c^2 + 141m^3c - 54m^4 + 87m^2)a^2 + ((-24m^5c$$
$$+ 8m^4)b - 10m^4c^3 + (59m^4 + 114m^2)c - 273m^3)a - 8m^6b^2 + (-6m^5c^2 - 8m^5 + 2m^3)b - 9m^4c^2 + 26m^3c + 24m^4 - m^2)x^2$$
$$+ (m^4a^5 + (4m^4c + 11m^3)a^4 + (-8m^5b - 6m^4c^2 + 66m^3c - 24m^4 + 76m^2)a^3 + ((-20m^5c - 200m^4)b - 4m^4c^3 - 141m^3c^2$$
$$+ (83m^4 - 174m^2)c - 33m^3 - 29m)a^2 + (16m^6b^2 + (24m^5c^2 - 16m^4c - 20m^5 - 164m^3)b + 5m^4c^4 + (-94m^4 - 114m^2)c^2$$
$$+ 76m^3c - 60m^4 - 42m^2 + 5)a + 16m^6cb^2 + (4m^5c^3 + (4m^5 - 4m^3)c + 32m^4)b + 3m^4c^3 - 67m^3c^2 + (228m^4 + m^2)c + 8m^3 - m)x$$
$$+ m^4a^6 + (-m^4c - 3m^3)a^5 + (-9m^5b - 2m^4c^2 - 11m^3c - 7m^4 - 17m^2)a^4 + ((8m^5c - 176m^4)b + 2m^4c^3 - 33m^3c^2$$
$$+ (-7m^4 - 76m^2)c - 35m^3 - 25m)a^3 + (24m^6b^2 + (10m^5c^2 + 200m^4c - 156m^5 - 234m^3)b + m^4c^4 + 47m^3c^3 + (-29m^4 + 87m^2)c^2$$
$$+ (-134m^3 + 29m)c - 12m^4 - 57m^2 + 4)a^2 + ((-16m^6c + 32m^5)b^2 + (-8m^5c^3 + 8m^4c^2 + (184m^5 + 164m^3)c - 332m^4 + 4m^2)b - m^4c^5 + (43m^4$$
$$+ 38m^2)c^3 + 197m^3c^2 + (-64m^4 + 69m^2 - 5)c - 28m^3 + 3m)a - 16m^7b^3 + (-8m^6c^2 + 16m^6 + 8m^4)b^2 + (-m^5c^4 + (4m^5 + 2m^3)c^2$$
$$+ 156m^4c - 112m^5 + 8m^3 - m)b + 36m^3c^3 + 108m^4c^2 + (36m^3 - 4m)c)x_2^2 - 2m^4(3mx + 7ma - 3mc - 1)x_1^4x_2$$
$$- 2m^2(m^3x^3 + (3m^3a - 3m^3c - 13m^2)x^2 + (18m^3a^2 + (-6m^3c - 85m^2)a - m^4b + 3m^3c^2 + 26m^2c - 24m^3 + 16m)x$$
$$+ 32m^3a^3 + (-18m^3c - 107m^2)a^2 + (-7m^4b + 3m^3c^2 + 85m^2c - 47m^3 + 48m)a + (m^4c + 15m^3)b - m^3c^3 - 13m^2c^2 + (17m^3 - 16m)c - 4m^2 - 4)x_1^3x_2$$
$$- ((4m^5a - 5m^4)x^4 + (-2m^5a^2 + (-16m^5c + 31m^4)a - 2m^6b + 20m^4c - 8m^5 + 18m^3)x^3 + (10m^5a^3 + (6m^5c$$
$$+ 267m^4)a^2 + (24m^6b + 24m^5c^2 - 93m^4c - 46m^5 + 5m^3)a + (6m^6c - 32m^5)b - 30m^4c^2 + (-6m^5 - 54m^3)c + 172m^4 - 12m^2)x^2$$
$$+ (18m^5a^4 + (-20m^5c + 355m^4)a^3 + (-38m^6b - 6m^5c^2 - 534m^4c + 38m^5 - 232m^3)a^2 + ((-48m^6c - 40m^5)b - 16m^5c^3$$
$$+ 93m^4c^2 + (-156m^5 - 10m^3)c + 456m^4 + 35m^2)a - 8m^7b^2 + (-6m^6c^2 + 64m^5c + 44m^6 + 42m^4)b + 20m^4c^3 + (36m^5$$
$$+ 54m^3)c^2 + (-136m^4 + 24m^2)c + 118m^5 - 42m^3 - 2m)x + 2m^5a^5 + (-18m^5c + 36m^4)a^4 + (-80m^6b + 10m^5c^2 - 355m^4c + 68m^5$$
$$+ 11m^3)a^3 + ((38m^6c + 88m^5)b + 2m^5c^3 + 267m^4c^2 + (-408m^5 + 232m^3)c + 220m^4 + 31m^2)a^2 + (32m^7b^2 + (24m^6c^2$$
$$+ 40m^5c - 4m^6 + 212m^4)b + 4m^5c^4 - 31m^4c^3 + (202m^5 + 5m^3)c^2 + (94m^4 - 35m^2)c + 228m^5 - 18m^3 - 11m)a + (8m^7c$$
$$- 48m^6)b^2 + (2m^6c^3 - 32m^5c^2 + (16m^6 - 42m^4)c + 104m^5 - 56m^3)b - 5m^4c^4 + (-22m^5 - 18m^3)c^3 + (-36m^4 - 12m^2)c^2$$
$$+ (-52m^5 - 64m^3 + 2m)c - 22m^4 - 10m^2 + 1)x_1^2x_2$$
$$- (m^4x^6 + (m^5a^2 + 7m^4a - 6m^4c - 2m^5)x^5 + ((-5m^5c - 12m^4)a^2 + (-2m^6b - 35m^4c + 5m^5 - 28m^3)a + 10m^5b$$
$$+ 15m^4c^2 + m^5c - 5m^4 - 2m^2)x^4 + (-2m^5a^4 - 91m^4a^3 + (8m^6b + 10m^5c^2 + 48m^4c - 20m^5 - 33m^3)a^2 + ((8m^6c + 50m^5)b$$
$$+ 70m^4c^2 + (-7m^5 + 112m^3)c - 255m^4 + 26m^2)a + (-40m^5c - 10m^6)b - 20m^4c^3 + 16m^5c^2 + (39m^4 + 8m^2)c + 14m^5$$
$$- 51m^3)x^3 + ((6m^5c - 8m^4)a^4 + (4m^6b + 273m^4c - 42m^5 + 210m^3)a^3 + ((-24m^6c - 12m^5)b - 10m^5c^3 - 72m^4c^2 + (127m^5$$
$$+ 99m^3)c - 542m^4 - 34m^2)a^2 + (-16m^7b^2 + (-12m^6c^2 - 150m^5c + 60m^6 - 128m^4)b - 70m^4c^3 + (-9m^5 - 168m^3)c^2$$
$$+ (518m^4 - 78m^2)c - 73m^5 + 155m^3 - 4m)a + 32m^6b^2 + (60m^5c^2 - 30m^6c - 32m^5 - 12m^3)b + 15m^4c^4 - 34m^5c^3$$
$$+ (-87m^4 - 12m^2)c^2 + (183m^5 + 76m^3)c - 132m^4 - 11m^2 + 1)x^2 + (m^5a^6 + 4m^4a^5 + (-8m^6b - 6m^5c^2 + 16m^4c - 10m^5 + 15m^3)a^4$$
$$+ ((-8m^6c - 390m^5)b - 273m^4c^2 + (55m^5 - 420m^3)c - 53m^4 - 57m^2)a^3 + (16m^7b^2 + (24m^6c^2 + 24m^5c - 54m^6 - 478m^4)b + 5m^5c^4 + 48m^4c^3$$
$$+ (-194m^5 - 99m^3)c^2 + (187m^4 + 68m^2)c - 88m^5 + 53m^3 + 14m)a^2 + ((32m^7c + 88m^6)b^2 + (8m^6c^3 + 150m^5c^2 + (-68m^6 + 256m^4)c$$
$$- 500m^5 + 78m^3)b + 35m^4c^4 + (19m^5 + 112m^3)c^3 + (-271m^4 + 78m^2)c^2 + (546m^5 - 41m^3 + 8m)c - 18m^4 - 23m^2 - 1)a$$
$$+ (-64m^6c - 8m^7)b^2 + (-40m^5c^3 + 90m^6c^2 + (140m^5 + 24m^3)c - 118m^6 - 178m^4)b - 6m^4c^5 + 26m^5c^4 + (77m^4 + 8m^2)c^3 + (-174m^5$$
$$+ m^3)c^2 + (-140m^4 + 19m^2 - 2)c - 92m^5 - 46m^3 + 5m)x + (-m^5c + 3m^4)a^6 + (-2m^6b - 4m^4c + 5m^5 - 20m^3)a^5 + ((8m^6c$$
$$- 82m^5)b + 2m^5c^3 - 8m^4c^2 - 15m^3c - 57m^4 - 5m^2)a^4 + (16m^7b^2 + (4m^6c^2 + 390m^5c - 92m^6 - 302m^4)b + 91m^4c^3 + (-13m^5$$
$$+ 210m^3)c^2 + (-34m^4 + 57m^2)c - 45m^5 - 23m^3 + 2m)a^3 + ((-16m^7c + 144m^6)b^2 + (-8m^6c^3 - 12m^5c^2 + (374m^6 + 478m^4)c$$
$$- 804m^5 + 82m^3)b - m^5c^5 - 12m^4c^4 + (87m^5 + 33m^3)c^3 + (355m^4 - 34m^2)c^2 + (-25m^5 - 11m^3 - 14m)c - 18m^4 - 35m^2)a^2$$
$$+ (-32m^8b^3 + (-16m^7c^2 - 88m^6c + 160m^7 - 64m^5)b^2 + (-2m^6c^4 - 50m^5c^3 + (8m^6 - 128m^4)c^2 + (672m^5 - 78m^3)c - 474m^6$$
$$- 12m^4 - 14m^2)b - 7m^4c^5 + (-8m^5 - 28m^3)c^4 + (8m^4 - 26m^2)c^3 + (157m^5 - 114m^3 - 4m)c^2 + (-196m^4 - 20m^2 + 1)c$$
$$+ 12m^5 - 81m^3 + 6m)a + 32m^7b^3 + (32m^6c^2 - 88m^7c - 48m^6 - 16m^4)b^2 + (10m^5c^4 - 50m^6c^3 + (-108m^5 - 12m^3)c^2$$
$$+ (202m^6 - 78m^4)c - 74m^5 - 20m^3 + 2m)b + m^4c^6 - 7m^5c^5 + (-24m^4 - 2m^2)c^4 + (-23m^5 - 26m^3)c^3 + (-70m^4 - 8m^2 + 1)c^2$$
$$+ (-124m^5 - 7m^3 + m)c - 36m^4 + 4m^2)x_1x_2$$
$$+ (m^4ax^7 + (m^4a^2 + (-7m^4c + m^5)a - m^5c)x^6 + (-2m^4a^3 + (-6m^4c - 10m^3)a^2 + (12m^5b + 21m^4c^2 - 6m^5c - 6m^4$$
$$- 2m^2)a + 6m^5c^2)x^5 + (-2m^4a^4 + (10m^4c - 2m^5 + 8m^3)a^3 + (12m^5b + 15m^4c^2 + (2m^5 + 50m^3)c - 70m^4 + 16m^2)a^2$$
$$+ ((-60m^5c + 12m^6)b - 35m^4c^3 + 15m^5c^2 + (40m^4 + 10m^2)c - 6m^5 - 56m^3)a - 12m^6cb - 15m^5c^3 + (6m^5 + 2m^3)c)x^4 + (m^4a^5$$
$$+ (8m^4c + 12m^3)a^4 + (-16m^5b - 20m^4c^2 + (8m^5 - 32m^3)c - 10m^4 - 11m^2)a^3 + ((-48m^5c - 80m^4)b - 20m^4c^3$$
$$+ (-8m^5 - 100m^3)c^2 + (190m^4 - 64m^2)c - 18m^5 + 166m^3 - 6m)a^2 + (48m^6b^2 + (120m^5c^2 - 48m^6c - 48m^5 - 16m^3)b + 35m^4c^4 - 20m^5c^3$$
$$+ (-100m^4 - 20m^2)c^2 + (78m^5 + 134m^3)c - 141m^4 - 10m^2 + 1)a + 48m^6c^2b + 20m^5c^4 + (-24m^5 - 8m^3)c^2 + 54m^4c)x^3 + (m^4a^6 + (-3m^4c$$
$$+ m^5 - 8m^3)a^5 + (-16m^5b - 12m^4c^2 + (-m^5 - 36m^3)c - 10m^4 - 17m^2)a^4 + ((48m^5c - 16m^6 - 44m^4)b + 20m^4c^3$$
$$+ (-12m^5 + 48m^3)c^2 + 33m^2c - 10m^5 + 11m^3 + 6m)a^3 + (48m^6b^2 + (72m^5c^2 + (16m^6 + 240m^4)c - 416m^5 + 20m^3)b + 15m^4c^4$$
$$+ (12m^5 + 100m^3)c^3 + (-150m^4 + 96m^2)c^2 + (28m^5 - 289m^3 + 18m)c - 11m^4 - 34m^2 - 1)a^2 + ((-144m^6c + 48m^7)b^2$$
$$+ (-120m^5c^3 + 72m^6c^2 + (224m^5 + 48m^3)c - 84m^6 - 304m^4)b - 21m^4c^5 + 15m^5c^4 + (120m^4 + 20m^2)c^3 + (-126m^5 - 66m^3)c^2$$
$$+ (-211m^4 + 36m^2 - 3)c - 15m^5 - 64m^3 + 7m)a - 48m^7cb^2 + (-72m^6c^3 + (48m^6 + 16m^4)c - 36m^5)b - 15m^5c^5 + (36m^5$$
$$+ 12m^3)c^3 - 90m^4c^2 + (123m^5 + 10m^3 - m)c)x^2 + ((-2m^4c - 2m^3)a^6 + (4m^5b + 3m^4c^2 + (-2m^5 + 16m^3)c + 13m^2)a^5$$
$$+ ((32m^5c + 48m^4)b + 8m^4c^3 + (2m^5 + 36m^3)c^2 + (30m^4 + 34m^2)c + 2m^5 + 20m^3 + 6m)a^4 + (-32m^6b^2 + (-48m^5c^2 + (32m^6$$

$$+ 88m^4)c - 40m^5 + 172m^3)b - 10m^4c^4 + (8m^5 - 32m^3)c^3 + (30m^4 - 33m^2)c^2 + (14m^5 + 26m^3 - 12m)c - 11m^4 - 2m^2 - 1)a^3$$
$$+ ((-96m^6c - 160m^5)b^2 + (-48m^5c^3 + (-32m^6 - 240m^4)c^2 + (472m^5 - 40m^3)c - 72m^6 + 124m^4 - 24m^2)b - 6m^4c^5 + (-8m^5 - 50m^3)c^4$$
$$+ (10m^4 - 64m^2)c^3 + (-2m^5 + 80m^3 - 18m)c^2 + (-32m^4 + 8m^2 + 2)c - 18m^5 - 34m^3 + 2m)a^2 + (64m^7b^3 + (144m^6c^2 - 96m^7c$$
$$- 96m^6 - 32m^4)b^2 + (60m^5c^4 - 48m^6c^3 + (-304m^5 - 48m^3)c^2 + (384m^6 + 248m^4)c - 132m^5 - 40m^3 + 4m)b + 7m^4c^6$$
$$- 6m^5c^5 + (-70m^4 - 10m^2)c^4 + (42m^5 - 46m^3)c^3 + (305m^4 - 42m^2 + 3)c^2 + (-24m^5 + 74m^3 - 4m)c - 26m^4 + 3m^2)a$$
$$+ 96m^7c^2b^2 + (48m^6c^4 + (-96m^6 - 32m^4)c^2 + 288m^5c - 108m^6)b + 6m^5c^6 + (-24m^5 - 8m^3)c^4 + 18m^4c^3 + (186m^5 - 20m^3$$
$$+ 2m)c^2 + (54m^4 - 6m^2)c)x + (4m^5b + m^4c^2 + 2m^3c + m^2)a^6 + ((-4m^5c + 4m^6 - 20m^4)b - m^4c^3 + (m^5 - 8m^3)c^2 + (4m^4$$
$$- 13m^2)c + 3m^3 - 6m)a^5 + (-32m^6b^2 + (-16m^5c^2 + (-4m^6 - 48m^4)c - 56m^5 - 32m^3)b - 2m^4c^4 + (-m^5 - 12m^3)c^3$$
$$+ (-20m^4 - 17m^2)c^2 + (2m^5 - 45m^3 - 6m)c + 3m^4 - 26m^2 + 1)a^4 + ((32m^6c - 32m^7 - 304m^5)b^2 + (16m^5c^3 + (-16m^6 - 44m^4)c^2$$
$$+ (-80m^5 - 172m^3)c - 36m^6 - 76m^4 - 48m^2)b + 2m^4c^5 + (-2m^5 + 8m^3)c^4 + (-20m^4 + 11m^2)c^3 + (-12m^5 - 37m^3 + 6m)c^2$$
$$+ (-51m^4 - 16m^2 + 1)c + m^5 - 42m^3 + 3m)a^3 + (64m^7b^3 + (48m^6c^2 + (32m^7 + 160m^5)c - 544m^6 - 176m^4)b^2 + (12m^5c^4 + (16m^6 + 80m^4)c^3$$
$$+ (-56m^5 + 20m^3)c^2 + (-32m^6 - 476m^4 + 24m^2)c - 32m^5 - 148m^3 + 8m)b + m^4c^6 + (2m^5 + 10m^3)c^5 + (20m^4 + 16m^2)c^4 + (-8m^5 + 43m^3$$
$$+ 6m)c^3 + (-17m^4 + 26m^2 - 1)c^2 + (-19m^5 - 6m^3 + m)c - 30m^4 + 3m^2)a^2 + ((-64m^7c + 64m^8)b^3 + (-48m^6c^3 + 48m^7c^2$$
$$+ (256m^6 + 32m^4)c - 240m^7 - 320m^5)b^2 + (-12m^5c^5 + 12m^6c^4 + (128m^5 + 16m^3)c^3 + (-12m^6 + 56m^4)c^2 + (-460m^5$$
$$+ 64m^3 - 4m)c + 12m^6 - 136m^4 + 12m^2)b - m^4c^7 + m^5c^6 + (16m^4 + 2m^2)c^5 + (12m^5 + 34m^3)c^4 + (47m^4 + 16m^2 - 1)c^3$$
$$+ (3m^5 + 38m^3 - 3m)c^2 + (12m^4 - m^2)c - 8m^5 + m^3)a - 64m^8cb^3 + (-48m^7c^3 + (96m^7 + 32m^5)c - 144m^6)b^2 + (-12m^6c^5$$
$$+ (48m^6 + 16m^4)c^3 + 36m^5c^2 + (-156m^6 + 40m^4 - 4m^2)c - 36m^5 + 4m^3)b - m^5c^7 + (6m^5 + 2m^3)c^5 + 18m^4c^4 + (15m^5 + 10m^3$$
$$- m)c^3 + (18m^4 - 2m^2)c^2 + (8m^5 - m^3)c)x_2 + 2m^4(3max + 3ma^2 + (-3mc - 1)a - 2m^2b + m)x_1^5$$
$$+ 2m^2(m^3ax^3 + (-m^3a^2 + (-3m^3c - 13m^2)a - 2m^3)x^2 + (7m^3a^3 + (2m^3c - 39m^2)a^2 + (m^4b + 3m^3c^2 + 26m^2c - 26m^3$$
$$+ 16m)a + 7m^3b + m^3c - 4m^2)x + 9m^3a^4 + (-7m^3c - 34m^2)a^3 + (-7m^4b - m^3c^2 + 39m^2c - 20m^3 + 22m)a^2 + ((-m^4c + 13m^3)b$$
$$- m^3c^3 - 13m^2c^2 + (19m^3 - 16m)c - 3m^2 - 4)a + 2m^5b^2 + (-7m^3c + 11m^4 - 7m^2)b + m^3c^2 + 5m^2c - 6m^3 + 4m)x_1^4$$
$$+ ((m^5a^2 - 5m^4a - 2m^5)x^4 + ((-4m^5c + 39m^4)a^2 + (-2m^6b + 20m^4c - 2m^5 + 18m^3)a - 2m^5b + 6m^5c + 19m^4)x^3$$
$$+ (-2m^5a^4 + 105m^4a^3 + (10m^6b + 6m^5c^2 - 117m^4c - 2m^5 - 43m^3)a^2 + ((6m^6c - 52m^5)b - 30m^4c^2 + (-16m^5 - 54m^3)c$$
$$+ 188m^4 - 12m^2)a + (6m^5c - 12m^6 + 6m^4)b - 6m^5c^2 - 31m^4c + 35m^5 - 15m^3)x^2 + ((4m^5c + 83m^4)a^4$$
$$+ (-14m^6b - 210m^4c - 14m^5 - 94m^3)a^3 + ((-20m^6c + 30m^5)b - 4m^5c^3 + 117m^4c^2 + (-100m^5 + 86m^3)c + 237m^4 + 43m^2)a^2 + (-8m^7b^2$$
$$+ (-6m^6c^2 + 104m^5c + 44m^6 + 90m^4)b + 20m^4c^3 + (38m^5 + 54m^3)c^2 + (-172m^4 + 24m^2)c + 136m^5 - 74m^3 - 2m)a - 8m^6b^2 + (-6m^5c^2$$
$$+ (36m^6 - 12m^4)c - 16m^5 - 14m^3)b + 2m^5c^3 + 5m^4c^2 + (-26m^5 - 2m^3)c + 22m^4 - m^2)x + m^5a^6 - 10m^4a^5$$
$$+ (-26m^6b - 2m^5c^2 - 83m^4c - 12m^5 + 27m^3)a^4 + ((14m^6c + 60m^5)b + 105m^4c^2 + (-102m^5 + 94m^3)c + 114m^4 + 5m^2)a^3 + (24m^7b^2 + (10m^6c^2$$
$$- 30m^5c + 32m^6 + 104m^4)b + m^5c^4 - 39m^4c^3 + (102m^5 - 43m^3)c^2 + (25m^4 - 43m^2)c + 105m^5 - 31m^3 - 8m)a^2 + ((8m^7c$$
$$- 88m^6)b^2 + (2m^6c^3 - 52m^5c^2 + (4m^6 - 90m^4)c + 128m^5 - 84m^3)b - 5m^4c^4 + (-20m^5 - 18m^3)c^3 + (-16m^4 - 12m^2)c^2$$
$$+ (-58m^5 - 32m^3 + 2m)c - 22m^4 + 4m^2 + 1)a + (8m^6c - 56m^7 + 24m^5)b^2 + (2m^5c^3 + (-24m^6 + 6m^4)c^2 + (-32m^5 + 14m^3)c + 8m^6$$
$$- 40m^4 + 10m^2)b + 7m^4c^3 + (-m^5 + 17m^3)c^2 + (-4m^4 + 9m^2)c + 10m^5 + 9m^3 - m)x_1^3$$
$$+ (m^4ax^6 + (6m^4a^2 - 6m^4ca + 6m^4)x^5 + (-20m^4a^3 + (-m^6b - 30m^4c - 28m^3)a^2 + (12m^5b + 15m^4c^2 - 7m^5c - 37m^4$$
$$- 2m^2)a + (2m^6 - m^4)b - 25m^4c + 6m^5 - 18m^3)x^4 + (-26m^4a^4 + (80m^4c + 32m^3)a^3 + ((4m^6c + 46m^5)b + 60m^4c^2 + (18m^5$$
$$+ 112m^3)c - 230m^4 + 28m^2)a^2 + ((-48m^5c + 2m^6 - 2m^4)b - 20m^4c^3 + 28m^5c^2 + (127m^4 + 8m^2)c - 18m^5 - 4m^3)a + ((-8m^6$$
$$+ 4m^4)c + 50m^5)b + 40m^4c^2 + (-3m^5 + 54m^3)c - 96m^4 + 10m^2)x^3 + (3m^4a^5 + (2m^6b + 78m^4c + 72m^3)a^4$$
$$+ (-78m^5b - 120m^4c^2 + (28m^5 - 96m^3)c - 212m^4 - 59m^2)a^3 + (-8m^7b^2 + (-6m^6c^2 - 138m^5c + 2m^6 - 171m^4)b - 60m^4c^3$$
$$+ (-54m^5 - 168m^3)c^2 + (427m^4 - 84m^2)c - 26m^5 + 182m^3 - 4m)a^2 + (48m^6b^2 + (72m^5c^2 + (-58m^6 + 6m^4)c - 74m^5 - 6m^3)b$$
$$+ 15m^4c^4 - 42m^5c^3 + (-159m^4 - 12m^2)c^2 + (227m^5 + 9m^3)c - 195m^4 - 28m^2 + 1)a + (16m^7 - 8m^5)b^2 + ((12m^6 - 6m^4)c^2 - 106m^5c$$
$$+ 13m^6 - 70m^4 + 2m^2)b - 30m^4c^3 + (-3m^5 - 54m^3)c^2 + (89m^4 - 18m^2)c - 78m^5 + 10m^3 + 2m)x^2 + (4m^4a^6$$
$$+ (-6m^4c - 28m^3)a^5 + ((-4m^6c - 118m^5)b - 78m^4c^2 + (-2m^5 - 144m^3)c - 30m^4 + 8m^2)a^4 + ((156m^5c + 14m^6 - 174m^4)b + 80m^4c^3$$
$$+ (-56m^5 + 96m^3)c^2 + (83m^4 + 118m^2)c + 2m^5 + 54m^3 + 14m)a^3 + ((16m^7c + 88m^6)b^2 + (4m^6c^3 + 138m^5c^2 + (68m^6$$
$$+ 342m^4)c - 482m^5 + 134m^3)b + 30m^4c^4 + (54m^5 + 112m^3)c^3 + (-164m^4 + 84m^2)c^2 + (245m^5 - 96m^3 + 8m)c - 50m^4 - 42m^2$$
$$- 2)a^2 + ((-96m^6c + 8m^7 - 8m^5)b^2 + (-48m^5c^3 + (110m^6 - 6m^4)c^2 + (208m^5 + 12m^3)c - 208m^6 - 226m^4 - 14m^2)b$$
$$- 6m^4c^5 + 28m^5c^4 + (85m^4 + 8m^2)c^3 + (-202m^5 - 6m^3)c^2 + (-124m^4 + 11m^2 - 2)c - 108m^5 - 28m^3 + 6m)a + ((-32m^7$$
$$+ 16m^5)c + 104m^6)b^2 + ((-8m^6 + 4m^4)c^3 + 62m^5c^2 + (-86m^6 + 68m^4 - 4m^2)c - 196m^5 + 54m^3)b + 10m^4c^4 + (-9m^5$$
$$+ 18m^3)c^3 + (-16m^4 + 6m^2)c^2 + (42m^5 + 29m^3 - 2m)c + 24m^4)x + (-m^6b - 4m^4c)a^6 + (10m^5b + 3m^4c^2 + (-5m^5 + 28m^3)c$$
$$+ 3m^4 + m^2)a^5 + (8m^7b^2 + (2m^6c^2 + 118m^5c + 12m^6 - 96m^4)b + 26m^4c^3 + (2m^5 + 72m^3)c^2 + (70m^4 - 8m^2)c + 4m^5 - 18m^3$$
$$- 6m)a^4 + (8m^6b^2 + (-78m^5c^2 + (126m^6 + 174m^4)c - 298m^5 + 4m^3)b - 20m^4c^4 + (28m^5 - 32m^3)c^3 + (129m^4 - 59m^2)c^2$$
$$+ (47m^5 - 101m^3 - 14m)c - 53m^4 - 26m^2 + 1)a^3 + (-16m^8b^3 + (-8m^7c^2 - 88m^6c + 8m^7 - 92m^5)b^2 + (-m^6c^4 - 46m^5c^3$$
$$+ (-70m^6 - 171m^4)c^2 + (430m^5 - 134m^3)c - 209m^6 - 106m^4 - 24m^2)b - 6m^4c^5 + (-18m^5 - 28m^3)c^4 + (-33m^4 - 28m^2)c^3 + (59m^5$$
$$- 86m^3 - 4m)c^2 + (-203m^4 + 11m^2 + 2)c - 38m^5 - 30m^3 + 10m)a^2 + (64m^7b^3 + (48m^6c^2 + (-104m^7 + 8m^5)c + 8m^6$$
$$+ 8m^4)b^2 + (12m^5c^4 + (-54m^6 + 2m^4)c^3 + (-134m^5 - 6m^3)c^2 + (232m^6 - 82m^4 + 14m^2)c - 228m^5 - 10m^3 + 10m)b + m^4c^6$$
$$- 7m^5c^5 + (-16m^4 - 2m^2)c^4 + (-7m^5 + m^3)c^3 + (-19m^4 + 17m^2 + 1)c^2 + (-120m^5 + 47m^3 + 6m)c + 8m^4 + 11m^2 - 1)a + (32m^8$$

$$
\begin{aligned}
&- 16m^6)b^3 + ((16m^7 - 8m^5)c^2 - 8m^6c + 100m^7 + 8m^5 + 8m^3)b^2 + ((2m^6 - m^4)c^4 - 6m^5c^3 + (25m^6 + 2m^4 + 2m^2)c^2 + (28m^5 \\
&+ 22m^3)c - 106m^6 + 7m^4 + 12m^2 - 1)b - m^4c^5 + 9m^5c^4 + (23m^4 + 2m^2)c^3 + (6m^5 + 23m^3)c^2 + (12m^4 + 9m^2 - 1)c + 24m^5 - 2m^3)x_1^2 \\
&- ((m^4a^2 + m^4)x^7 + (-7m^4ca^2 + (-m^5c + 7m^4)a - 6m^4c + m^5)x^6 + (-2m^4a^4 - 10m^3a^3 + (12m^5b + 21m^4c^2 - 26m^4 \\
&- 2m^2)a^2 + (6m^5c^2 - 36m^4c - 28m^3)a + 12m^5b + 15m^4c^2 - 12m^5c - 6m^4 - 2m^2)x^5 + ((10m^4c + 18m^3)a^4 + ((2m^5 + 50m^3)c \\
&- 46m^4 + 18m^2)a^3 + ((-60m^5c + 6m^4)b - 35m^4c^3 + (120m^4 + 10m^2)c - 2m^5 + 4m^3)a^2 + ((-12m^6c + 72m^5)b - 15m^5c^3 \\
&+ 75m^4c^2 + (24m^5 + 114m^3)c - 112m^4 + 26m^2)a + (-48m^5c + 18m^6)b - 20m^4c^3 + 39m^5c^2 + (42m^4 + 8m^2)c - 6m^5 - 20m^3)x^4 \\
&+ (m^4a^6 - 6m^3a^5 + (-16m^5b - 20m^4c^2 - 72m^3c - 7m^4 - 29m^2)a^4 + (-98m^4b + (-8m^5 - 100m^3)c^2 + (104m^4 - 72m^2)c \\
&+ 148m^3 - 6m)a^3 + (48m^6b^2 + (120m^5c^2 - 24m^4c - 172m^5 - 34m^3)b + 35m^4c^4 + (-220m^4 - 20m^2)c^2 + (52m^5 - 38m^3)c \\
&- 133m^4 - 51m^2 + 1)a^2 + ((48m^6c^2 - 240m^5c - 18m^6 - 188m^4)b + 20m^5c^4 - 80m^4c^3 + (-78m^5 - 176m^3)c^2 + (212m^4 \\
&- 76m^2)c - 18m^5 + 58m^3 - 4m)a + 48m^6b^2 + (72m^5c^2 - 120m^6c - 66m^5 - 16m^3)b + 15m^4c^4 - 56m^5c^3 + (-90m^4 - 12m^2)c^2 \\
&+ (102m^5 + 16m^3)c - 33m^4 - 10m^2 + 1)x^3 + ((-3m^4c - 2m^3)a^6 + ((-m^5 + 18m^3)c + 7m^4 + 12m^2)a^5 + ((48m^5c + 46m^4)b \\
&+ 20m^4c^3 + 108m^3c^2 + (30m^4 + 87m^2)c + m^5 - 28m^3 + 12m)a^4 + (((16m^6 + 294m^4)c - 244m^5 + 86m^3)b + (12m^5 + 100m^3)c^3 \\
&+ (-36m^4 + 108m^2)c^2 + (8m^5 - 235m^3 + 18m)c - 70m^4 - 15m^2 - 2)a^3 + ((-144m^6c + 48m^5)b^2 + (-120m^5c^3 + 36m^4c^2 \\
&+ (508m^5 + 102m^3)c - 42m^6 - 290m^4 + 10m^2)b - 21m^4c^5 + (200m^4 + 20m^2)c^3 + (-82m^5 + 90m^3)c^2 + (-179m^4 + 100m^2 \\
&- 3)c - 10m^5 + 25m^3 + 10m)a^2 + ((-48m^7c + 240m^6)b^2 + (-72m^6c^3 + 288m^5c^2 + (174m^6 + 428m^4)c - 438m^5 \\
&+ 116m^3)b - 15m^5c^5 + 45m^4c^4 + (90m^5 + 124m^3)c^3 + (-86m^4 + 72m^2)c^2 + (141m^5 + 32m^3 + 7m)c + 49m^4 - 12m^2 - 1)a \\
&+ (-96m^6c + 96m^7)b^2 + (-48m^5c^3 + 204m^6c^2 + (222m^5 + 32m^3)c - 126m^6 - 78m^4)b - 6m^4c^5 + 39m^5c^4 + (78m^4 + 8m^2)c^3 \\
&+ (-84m^5 + 26m^3)c^2 + (-60m^4 + 18m^2 - 2)c - 15m^5 - 28m^3 + 3m)x^2 + ((4m^5b + 3m^4c^2 + 4m^3c + m^2)a^6 + (-22m^4b + (2m^5 \\
&- 18m^3)c^2 + (-4m^4 - 24m^2)c - 6m)a^5 + (-32m^6b^2 + (-48m^5c^2 - 92m^4c - 32m^5 + 70m^3)b - 10m^4c^4 - 72m^3c^3 \\
&+ (-39m^4 - 87m^2)c^2 + (-8m^5 - 8m^3 - 24m)c + m^4 - 7m^2 + 1)a^4 + (-232m^5b^2 + ((-32m^6 - 294m^4)c^2 + (168m^5 - 172m^3)c + 2m^6 + 112m^4 \\
&- 54m^2)b + (-8m^5 - 50m^3)c^4 + (-56m^4 - 72m^2)c^3 + (-18m^5 + 26m^3 - 18m)c^2 + (92m^4 + 2m^2 + 4)c + 2m^5 - 2m^3 + 8m)a^3 \\
&+ (64m^7b^3 + (144m^6c^2 - 96m^5c - 272m^6 - 104m^4)b^2 + (60m^5c^4 - 24m^4c^3 + (-500m^5 - 102m^3)c^2 + (260m^6 + 168m^4 \\
&- 20m^2)c - 130m^5 - 36m^3 + 6m)b + 7m^4c^6 + (-90m^4 - 10m^2)c^4 + (16m^5 - 82m^3)c^3 + (283m^4 - 47m^2 + 3)c^2 + (76m^5 \\
&+ 10m^3)c - 19m^4 - m^2 - 1)a^2 + ((96m^7c^2 - 384m^6c - 72m^7 - 304m^5)b^2 + (48m^6c^4 - 144m^5c^3 + (-222m^6 - 292m^4)c^2 \\
&+ (580m^5 - 120m^3)c - 180m^6 - 14m^4 - 20m^2)b + 6m^5c^6 - 12m^4c^5 + (-42m^5 - 36m^3)c^4 + (-16m^4 - 20m^2)c^3 + (168m^5 \\
&- 64m^3 - 2m)c^2 - 118m^4c - 18m^5 - 34m^3 + 2m)a + 64m^7b^3 + (48m^6c^2 - 288m^7c - 168m^6 - 32m^4)b^2 + (12m^5c^4 - 120m^6c^3 \\
&+ (-174m^5 - 16m^3)c^2 + (240m^6 - 100m^4)c - 24m^5 - 38m^3 + 4m)b + m^4c^6 - 12m^5c^5 + (-24m^4 - 2m^2)c^4 + (-6m^5 - 20m^3)c^3 \\
&+ (-33m^4 - 8m^2 + 1)c^2 + (-102m^5 + 4m^3)c - 26m^4 + 3m^2)x + ((-4m^5c + 4m^4)b - m^4c^3 - 2m^3c^2 - m^2c)a^6 + (((-4m^6 + 22m^4)c \\
&+ 12m^5 - 26m^3)b + (-m^5 + 6m^3)c^3 + (-3m^4 + 12m^2)c^2 + (-m^3 + 6m)c + m^2)a^5 + ((32m^6c - 104m^5)b^2 + (16m^5c^3 \\
&+ 46m^4c^2 + (60m^5 - 70m^3)c + 8m^6 - 114m^4 - 4m^2)b + 2m^4c^5 + 18m^3c^4 + (16m^4 + 29m^2)c^3 + (-m^5 + 36m^3 + 12m)c^2 + (m^4 \\
&+ 14m^2 - 1)c + 3m^3 - 6m)a^4 + (((32m^7 + 232m^5)c - 240m^6 - 160m^4)b^2 + ((16m^6 + 98m^4)c^3 + (76m^5 + 86m^3)c^2 + (38m^6 \\
&- 308m^4 + 54m^2)c - 166m^5 - 8m^3 + 2m)b + (2m^5 + 10m^3)c^5 + (34m^4 + 18m^2)c^4 + (10m^5 + 61m^3 + 6m)c^3 + (32m^4 + 13m^2 \\
&- 2)c^2 + (m^5 - 15m)c + 3m^4 - 26m^2 + 1)a^3 + ((-64m^7c + 96m^6)b^3 + (-48m^6c^3 + 48m^5c^2 + (400m^6 + 104m^4)c - 136m^7 \\
&- 576m^5 + 40m^3)b^2 + (-12m^5c^5 + 6m^4c^4 + (164m^5 + 34m^3)c^3 + (30m^6 + 122m^4 + 10m^2)c^2 + (-430m^5 + 88m^3 - 6m)c \\
&- 78m^6 + 44m^4 - 22m^2)b - m^4c^7 + (16m^4 + 2m^2)c^5 + (16m^5 + 26m^3)c^4 + (29m^4 - 2m^2 - 1)c^3 + (8m^5 - 31m^3 - 10m)c^2 \\
&+ (-18m^4 - 45m^2 + 2)c + m^5 - 42m^3 + 3m)a^2 + ((-64m^8c + 256m^7)b^3 + (-48m^7c^3 + 144m^6c^2 + (168m^7 + 176m^5)c - 608m^6 \\
&+ 48m^4)b^2 + (-12m^6c^5 + 24m^5c^4 + (66m^6 + 52m^4)c^3 + (18m^5 + 4m^3)c^2 + (-192m^6 - 2m^4 - 8m^2)c + 120m^5 - 66m^3 + 4m)b \\
&- m^5c^7 + m^4c^6 + (6m^5 + 2m^3)c^5 + (2m^4 - 2m^2)c^4 + (-3m^5 - 26m^3 - m)c^3 + (-47m^4 - 18m^2 + 1)c^2 + (-10m^5 - 49m^3 + 4m)c \\
&- 30m^4 + 3m^2)a + 160m^8b^3 + (96m^7c^2 + 72m^6c - 192m^7 + 8m^5)b^2 + (18m^6c^4 + 18m^5c^3 + (-18m^6 - 6m^4)c^2 \\
&+ (-36m^5 - 2m^3)c + 72m^6 - 42m^4 + 4m^2)b + m^5c^6 + (-6m^5 - 2m^3)c^4 - 18m^4c^3 + (-15m^5 - 10m^3 + m)c^2 + (-18m^4 + 2m^2)c - 8m^5 + m^3)x_1 \\
&+ (ax^2 + (-ca - mc)x + ba^2 + 2mba + m^2b)(m^4x^6 - 6m^4cx^5 + (-2m^4a^2 - 10m^3a + 12m^5b + 15m^4c^2 - 6m^4 - 2m^2)x^4 \\
&+ ((8m^4c + 18m^3)a^2 + (40m^3c - 18m^4 + 18m^2)a - 48m^5cb - 20m^4c^3 + (24m^4 + 8m^2)c - 18m^3)x^3 + (m^4a^4 - 6m^3a^3 \\
&+ (-16m^5b - 12m^4c^2 - 54m^3c - 10m^4 - 29m^2)a^2 + (-80m^4b - 60m^3c^2 + (18m^4 - 54m^2)c + 58m^3 - 6m)a + 48m^6b^2 + (72m^5c^2 - 48m^5 - 16m^3)b \\
&+ 15m^4c^4 + (-36m^4 - 12m^2)c^2 + 18m^3c - 15m^4 - 10m^2 + 1)x^2 + ((-2m^4c - 2m^3)a^4 + (12m^3c + 2m^4 + 12m^2)a^3 + ((32m^5c + 72m^4)b + 8m^4c^3 \\
&+ 54m^3c^2 + (20m^4 + 58m^2)c + 6m^3 + 12m)a^2 + ((160m^4c - 72m^5 + 72m^3)b + 40m^3c^3 + (18m^4 + 54m^2)c^2 + (-8m^3 + 12m)c \\
&- 18m^4 + 6m^2 - 2)a - 96m^6cb^2 + (-48m^5c^3 + (96m^5 + 32m^3)c - 72m^4)b - 6m^4c^5 + (24m^4 + 8m^2)c^3 + 18m^3c^2 + (-78m^4 \\
&+ 20m^2 - 2)c - 18m^3 + 2m)x + (4m^5b + m^4c^2 + 2m^3c + m^2)a^4 + (-24m^4b - 6m^3c^2 + (2m^4 - 12m^2)c + 2m^3 - 6m)a^3 \\
&+ (-32m^6b^2 + (-16m^5c^2 - 72m^4c - 40m^5 - 8m^3)b - 2m^4c^4 - 18m^3c^3 + (-10m^4 - 29m^2)c^2 + (-30m^3 - 12m)c + m^4 - 20m^2 + 1)a^2 \\
&+ (-160m^5b^2 + (-80m^4c^2 + (-72m^5 - 72m^3)c + 16m^4 - 24m^2)b - 10m^3c^4 + (-18m^4 - 18m^2)c^3 + (-50m^3 - 6m)c^2 \\
&+ (-18m^4 - 30m^2 + 2)c - 22m^3 + 2m)a + 64m^7b^3 + (48m^6c^2 - 96m^6 - 32m^4)b^2 + (12m^5c^4 + (-48m^5 - 16m^3)c^2 - 72m^4c + 48m^5 \\
&- 40m^3 + 4m)b + m^4c^6 + (-6m^4 - 2m^2)c^4 - 18m^3c^3 + (-15m^4 - 10m^2 + 1)c^2 + (-18m^3 + 2m)c - 8m^4 + m^2),
\end{aligned}
$$

$$
\begin{aligned}
&x_2-(mz+a)x_1\\
&\quad-(mzx^2+(-3m^2z^2+(-ma-2mc-1)z+mb-1)x+2m^3z^3+(m^2a+3m^2c+m)z^2+((mc+1)a-2m^2b+mc^2+c+m)z\\
&\quad-mba+(-mc-1)b),\\
&x_1-(mzx-y-m^2z^2+(-mc-1)z+mb)
\end{aligned}
$$

$$
\begin{aligned}
P|_{m=0}=\Big(x_1-ax+a^2+ca\Big)\Big((x-a-c)x_3-((x_1+x^2-2cx-a^2+c^2)x_2-ax_1^2+(-ax^2+(a^2+2ca)x-ca^2+(-c^2+1)a+b+c)x_1\\
+x^3+(-a-2c)x^2+((b+c)a+c^2)x-ba^2-cba)\Big)
\end{aligned}
$$

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