

Supplementary File S3.

S3.1. Seven-Parameter Matrix Function of Example 3

The vector of independent parameters is

$$\mathbf{x} = (\omega, \alpha_1, \alpha_2, \alpha_3, \beta_1, \beta_2, \beta_3).$$

The matrix function is defined as

$$A(\mathbf{x}) = K_0 + \alpha_1 K_1 + \alpha_2 K_2 + \alpha_3 K_3 + i\omega(C_0 + \beta_1 C_1 + \beta_2 C_2 + \beta_3 C_3) - \omega^2 M,$$

where:

Mass matrix

$$M = \text{diag}\left(2, \frac{3}{2}, \frac{6}{5}, \frac{11}{10}, \frac{13}{10}, \frac{7}{5}, \frac{8}{5}\right).$$

Stiffness matrix

$$K_0 = \begin{bmatrix} 46 & -8 & 5 & -3 & 4 & -2 & 3 \\ -8 & 52 & -7 & 6 & -4 & 5 & -3 \\ 5 & -7 & 49 & -9 & 6 & -5 & 4 \\ -3 & 6 & -9 & 55 & -8 & 7 & -5 \\ 4 & -4 & 6 & -8 & 51 & -7 & 6 \\ -2 & 5 & -5 & 7 & -7 & 48 & -6 \\ 3 & -3 & 4 & -5 & 6 & -6 & 44 \end{bmatrix}.$$

Damping matrix

$$C_0 = \begin{bmatrix} 7 & -2 & 1 & 2 & -1 & 1 & -2 \\ -2 & 8 & -2 & 1 & 2 & -1 & 1 \\ 1 & -2 & 7 & -2 & 1 & 2 & -1 \\ 2 & 1 & -2 & 9 & -2 & 1 & 2 \\ -1 & 2 & 1 & -2 & 8 & -2 & 1 \\ 1 & -1 & 2 & 1 & -2 & 7 & -2 \\ -2 & 1 & -1 & 2 & 1 & -2 & 8 \end{bmatrix}.$$

Parameter-dependent stiffness matrices:

$$K_1 = \begin{bmatrix} 3 & -1 & 2 & 0 & -2 & 1 & 1 \\ -1 & 4 & -1 & 2 & 0 & -2 & 1 \\ 2 & -1 & 5 & -1 & 2 & 0 & -2 \\ 0 & 2 & -1 & 4 & -1 & 2 & 0 \\ -2 & 0 & 2 & -1 & 5 & -1 & 2 \\ 1 & -2 & 0 & 2 & -1 & 4 & -1 \\ 1 & 1 & -2 & 0 & 2 & -1 & 3 \end{bmatrix}, K_2 = \begin{bmatrix} 2 & 1 & -1 & 2 & 0 & -1 & 2 \\ 1 & 3 & 1 & -1 & 2 & 0 & -1 \\ -1 & 1 & 4 & 1 & -1 & 2 & 0 \\ 2 & -1 & 1 & 3 & 1 & -1 & 2 \\ 0 & 2 & -1 & 1 & 4 & 1 & -1 \\ -1 & 0 & 2 & -1 & 1 & 3 & 1 \\ 2 & -1 & 0 & 2 & -1 & 1 & 2 \end{bmatrix}.$$

$$K_3 = \begin{bmatrix} 4 & 0 & 1 & -1 & 2 & -2 & 1 \\ 0 & 5 & 0 & 1 & -1 & 2 & -2 \\ 1 & 0 & 4 & 0 & 1 & -1 & 2 \\ -1 & 1 & 0 & 5 & 0 & 1 & -1 \\ 2 & -1 & 1 & 0 & 4 & 0 & 1 \\ -2 & 2 & -1 & 1 & 0 & 5 & 0 \\ 1 & -2 & 2 & -1 & 1 & 0 & 4 \end{bmatrix}.$$

Parameter-dependent damping matrices:

$$C_1 = \begin{bmatrix} 2 & -1 & 0 & 1 & -1 & 0 & 1 \\ -1 & 3 & -1 & 0 & 1 & -1 & 0 \\ 0 & -1 & 2 & -1 & 0 & 1 & -1 \\ 1 & 0 & -1 & 3 & -1 & 0 & 1 \\ -1 & 1 & 0 & -1 & 2 & -1 & 0 \\ 0 & -1 & 1 & 0 & -1 & 3 & -1 \\ 1 & 0 & -1 & 1 & 0 & -1 & 2 \end{bmatrix}, C_2 = \begin{bmatrix} 3 & 1 & -1 & 0 & 1 & -1 & 0 \\ 1 & 2 & 1 & -1 & 0 & 1 & -1 \\ -1 & 1 & 3 & 1 & -1 & 0 & 1 \\ 0 & -1 & 1 & 2 & 1 & -1 & 0 \\ 1 & 0 & -1 & 1 & 3 & 1 & -1 \\ -1 & 1 & 0 & -1 & 1 & 2 & 1 \\ 0 & -1 & 1 & 0 & -1 & 1 & 3 \end{bmatrix}.$$

$$C_3 = \begin{bmatrix} 2 & 0 & 1 & -1 & 0 & 1 & -1 \\ 0 & 3 & 0 & 1 & -1 & 0 & 1 \\ 1 & 0 & 2 & 0 & 1 & -1 & 0 \\ -1 & 1 & 0 & 3 & 0 & 1 & -1 \\ 0 & -1 & 1 & 0 & 2 & 0 & 1 \\ 1 & 0 & -1 & 1 & 0 & 3 & 0 \\ -1 & 1 & 0 & -1 & 1 & 0 & 2 \end{bmatrix}.$$

S3.2. Truncation Vector and Reconstructed Determinant of Example 3

The D-Faddeev recurrence was applied using the final truncation vector $\mathbf{K}_4 = (14, 7, 7, 7, 7, 7)$.

For $n = 7$, the characteristic polynomial is written as

$$P(\lambda, \mathbf{x}) = \det(\lambda I_7 - A(\mathbf{x})) = \lambda^7 + p_1(\mathbf{x})\lambda^6 + \dots + p_7(\mathbf{x}).$$

Therefore, the reconstructed determinant is obtained from the last coefficient as

$$D_{\mathbf{K}}(\mathbf{x}) = \det_{\mathbf{K}} A(\mathbf{x}) = -p_{7,\mathbf{K}}(\mathbf{x}).$$

Here, $p_{7,\mathbf{K}_4}(\mathbf{x})$ denotes the reconstructed last coefficient of the characteristic polynomial obtained with the truncation vector $\mathbf{K}_4$.

Figure S3.1 shows a fragment of the program output generated during the computation of the characteristic-polynomial coefficients. Because the expanded determinant contains a large number of symbolic terms, it is presented below as a program-generated symbolic output. The expression was obtained by the Python-based D-Faddeev implementation described in Section 3.4 of the main manuscript.

eval(f)•matrices

API Explorer Console Matrices (Demo) About

Rows 7Columns 7FunctionCharacteristic polynomialCalculate

F = [...]

46+3*a1+2*a2+4*a3-2*w^2 + i * w * -8-a1+a2-i * w * (B1-B2+2)

5+2*a1-a2+a3+i * w * (B3-B2+1)

-3+2*a2-a3+i * w * (B1-B3+2)

4-2*a1+2*a3-i * w * (B1-B2+1)

-2+a1-a2-2*a3+i * w * (B3-B2+1)

3+a1+2*a2+a3-i * w * (B3-B2+2)

-8-a1+a2-i * w * (B1-B2+2)

52+4*a1+3*a2+5*a3-(3/2)*w^2 + i * -7-a1+a2-i * w * (B1-B2+2)

6+2*a1-a2+a3+i * w * (B3-B2+1)

-4+2*a2-a3+i * w * (B1-B3+2)

5-2*a1+2*a3-i * w * (B1-B2+1)

-3+a1-a2-2*a3+i * w * (B3-B2+1)

5+2*a1-a2+a3+i * w * (B3-B2+1)

-7-a1+a2-i * w * (B1-B2+2)

49+5*a1+4*a2+4*a3-(6/5)*w^2 + i * -9-a1+a2-i * w * (B1-B2+2)

6+2*a1-a2+a3+i * w * (B3-B2+1)

-5+2*a2-a3+i * w * (B1-B3+2)

4-2*a1+2*a3-i * w * (B1-B2+1)

-3+2*a2-a3+i * w * (B1-B3+2)

6+2*a1-a2+a3+i * w * (B3-B2+1)

-9-a1+a2-i * w * (B1-B2+2)

55+4*a1+3*a2+5*a3-(11/10)*w^2 + i * -8-a1+a2-i * w * (B1-B2+2)

7+2*a1-a2+a3+i * w * (B3-B2+1)

-5+2*a2-a3+i * w * (B1-B3+2)

4-2*a1+2*a3-i * w * (B1-B2+1)

-4+2*a2-a3+i * w * (B1-B3+2)

6+2*a1-a2+a3+i * w * (B3-B2+1)

-8-a1+a2-i * w * (B1-B2+2)

51+5*a1+4*a2+4*a3-(13/10)*w^2 + i * -7-a1+a2-i * w * (B1-B2+2)

6+2*a1-a2+a3+i * w * (B3-B2+1)

-2+a1-a2-2*a3+i * w * (B3-B2+1)

5-2*a1+2*a3-i * w * (B1-B2+1)

-5+2*a2-a3+i * w * (B1-B3+2)

7+2*a1-a2+a3+i * w * (B3-B2+1)

-7-a1+a2-i * w * (B1-B2+2)

48+4*a1+3*a2+5*a3-(7/5)*w^2 + i * -6-a1+a2-i * w * (B1-B2+2)

3+a1+2*a2+a3-i * w * (B3-B2+2)

-3+a1-a2-2*a3+i * w * (B3-B2+1)

4-2*a1+2*a3-i * w * (B1-B2+1)

-5+2*a2-a3+i * w * (B1-B3+2)

6+2*a1-a2+a3+i * w * (B3-B2+1)

-6-a1+a2-i * w * (B1-B2+2)

44+3*a1+2*a2+4*a3-(8/5)*w^2 + i *

Characteristic polynomial = $\lambda^7 + \lambda^6(-.28a1 - 21a2 - 31a3 - 17i^2B1w - 18i^2B2w - 17i^2B3w + 101w^2/10 - 54i^4w - 345) + \lambda^5(5.293a1a2 + 532a1a2 + 754a1a3 + 382i^2a1B1w + 480i^2a1B2w + 386i^2a1B3w - 487a1w^2/2 + 1240i^4a1w + 8116a1 + 154a2^2 + 572a2a3 + 298i^2a2B1w + 298i^2a2B2w + 340i^2a2B3w + 1829a2w^2/10 + 986i^4a2w + 6396a2 + 381a3^2 + 468i^4a3B1w + 470i^4a3B2w + 442i^4a3B3w - 2687a3w^2/10 + 1464i^4a3w + 8988a3 - 109i^6B1^2w^2 - 282i^6B1^2w^2 - 256i^6B1^2w^2 - 295i^6B1^2w^2 - 744i^6B1^2w^2 + 4984i^6B1^2w^2 - 122i^6B2^2w^2 - 278i^6B2^2w^2 - 311i^6B2^2w^2 + 5444i^6B2^2w^2 - 111i^6B3^2w^2 - 295i^6B3^2w^2 - 784i^6B3^2w^2 + 4942i^6B3^2w^2 + 869w^4/20 - 468i^4w^3/10 - 41853w^2/10 + 15834i^4w + 50290) + \lambda^4(4(-.1354a1a3 - 4903a1^2a2 - 6645a1^2a3 - 3049i^2a1a2^2B1w - 4730i^2a1a2^2B2w - 3099i^2a1a2^2B3w + 21353a1^2a2^2w^2/10 - 10300i^4a1^2w - 69085a1^2 - 3558a1^2a2^2 - 12110i^4a1^2a2a3 - 5838i^4a1^2a2B1w - 7136i^4a1^2a2B2w - 6778i^4a1^2a2B3w + 38829a1^2a2w^2/10 - 19778i^4a1^2a2w - 131268a1^2a2 - 7992a1^2a3^2 - 8768i^4a1^2a3B1w - 10664i^4a1^2a3B2w - 8540i^4a1^2a3B3w + 54643a1^2a3w^2/10 - 28198i^4a1^2a3w - 179486a1^2a3 + 1884a1^2B1^2w^2 + 5832a1^2B1^2w^2 + 4552a1^2B1^2w^2 + 27781i^4a1^2B1w^3/10 + 13344a1^2B1w^3 - 91198i^4a1^2B1w + 3086a1^2B2^2w^2 + 5860a1^2B2^2w^2 + 3471i^4a1^2B2w^3 + 18474a1^2B2w^2 - 118242i^4a1^2B2w - 1946a1^2B3^2w^2 + 28027i^4a1^2B3w^2 + 14226a1^2B3w^2 - 91872i^4a1^2B3w - 21917a1^2w^4/25 + 44978a1^2w^4/5 + 808017a1^2w^2/10 - 297062i^4a1w - 968795a1 - 396a2^3 - 3664a2^2a3 - 1794i^4a2^2B1w - 1532i^4a2^2B2w - 2392i^4a2^2B3w + 5643a2^2w^2/5 - 6293i^4a2^2w - 41314a2^2 - 5873a2a3^2 - 6982i^4a2a3B1w - 6696i^4a2a3B2w - 7538i^4a2a3B3w + 20827a2a3w^2/5 - 22842i^4a2a3w - 140764a2a3 + 1565a2B1^2w^2 + 3848a2B1^2w^2 + 4062a2B1^2w^2 + 2172i^4a2B1w^3 + 11036a2B1w^2 - 74870i^4a2B1w + 1454a2B2^2w^2 + 4340a2B2^2w^2 + 21567i^4a2B2w^3/10 + 12496a2B2w^2 - 78342i^4a2B2w - 2101a2B3^2w^2 + 12353i^4a2B3w^2 + 13086a2B3w^2 - 84206i^4a2B3w - 65943a2w^4/100 + 71603i^4a2w^3/10 + 64868a2w^3 - 247540i^4a2w - 794921a2 - 2393a3^3 - 5045i^4a3^2B1w - 4606i^4a3^2B2w - 4461i^4a3^2B3w + 13799a3^2w^2/5 - 15466i^4a3^2w - 90919a3^2 + 2555a3B1^2w^2 + 6444a3B1^2w^2 + 5770a3B1^2w^2 + 16941i^4a3B1w^3/5 + 17256a3B1w^2 - 112194i^4a3B1w^3/2 + 2562a3B2^2w^2 + 5904a3B2^2w^2 + 6787i^4a3B2w^3/2 + 19682a3B2w^2 - 115582i^4a3B2w - 2343a3B3^2w^2 + 15967i^4a3B3w^2 + 17356a3B3w^2 - 105484a3B3w - 96437a3w^4/100 + 21161i^4a3w^3/2 + 461856a3w^2/5 - 350988i^4a3w - 1075167a3 + 335i^4B1^3w^3 + 1622i^4B1^3w^2 + 1401i^4B1^3w^2 - 7903B1^2w^4/10 + 3750i^4B1^2w^3 + 26249B1^2w^2 + 1762i^4B1^2w^2w^3 + 3704i^4B1^2B2^3w^3 - 4071B1^2B2w^4/2 + 10758i^4B1^2B2w^3 + 70442B1^2B2w^2 + 1481i^4B1^2B3w^2 - 1854B1^2B3w^2 + 9308i^4B1^2B3w^2 + 61678B1^2B3w^2 - 52987i^4B1^2w^5/100 - 53809B1^2w^4/10 + 245172i^4B1^2w^3/5 + 179948B1^2w^2 - 599979i^4B1w + 366i^4B2^3w^3 + 1694i^4B2^2B3w^3 - 1751B2^2w^4/2 + 5372i^4B2^2w^3 + 31764B2^2w^2 + 1616i^4B2^2w^2w^3 - 20059B2^2B3w^4/10 + 11162i^4B2^2B3w^3 + 68550B2^2B3w^2 - 27819i^4B2^2w^5/50 - 31659B2^2w^4/5 + 562107i^4B2w^3/10 + 2190004B2w^2 - 674133i^4B2w - 335i^4B3^3w^3 - 8051B3^2w^4/10 + 4284i^4B3^2w^3 + 26417B3^2w^2 - 52987i^4B3w^5/100 - 56801B3w^4/10 + 251041i^4B3w^3/5 + 188718B3w^2 - 592117i^4B3w + 20647w^6/200 - 84013i^4w^5/50 - 387521w^4/20 + 1284959i^4w^3/10 + 3264332w^2/5 - 1907845i^4w - 4024593) + \lambda^3(2095a1^4 + 19266a1^3a2 + 24660a1^3a3 + 9644i^4a1^3B1w + 20702i^4a1^3B2w + 9776i^4a1^3B3w - 79637a1^3w^2/10 + 35960i^4a1^3w + 246608a1^3 + 28747a1^2a2^2 + 89314a1^2a2a3 + 38864i^4a1^2a2B1w + 60616i^4a1^2a2B2w + 46010i^4a1^2a2B3w - 57653a1^2a2w^2/2 + 137696i^4a1^2a2w + 935660a1^2a2^2 + 58138a1^2a2a3^2 + 55606i^4a1^2a2a3B1w + 85604i^4a1^2a2a3B2w + 55916i^4a1^2a2a3B3w - 387149a1^2a2a3w^2/10 + 187816i^4a1^2a2a3w + 1241248a1^2a2a3 - 10701a1^2a2^2w^2 - 42094a1^2a2^2B1w - 26714a1^2a2^2B2w - 35777i^4a1^2a2B1w^3/2 - 81418a1^2a2B1w^2 + 566084i^4a1^2a2B1w - 27890a1^2a2B2^2w^2 - 42944a1^2a2B2^2w^2 - 275037i^4a1^2a2B2w^3/10 - 137078a1^2a2B2w^3 - 907598i^4a1^2a2B2w^2 - 180901i^4a1^2a2B3w^3/10 - 87352a1^2a2B3w^2 + 577058i^4a1^2a2B3w + 154579a1^2a2w^4/25 - 60057i^4a1^2w^3 - 2714497i^4a1^2w^2/5 + 1929847i^4a1^2w + 6458840a1^2 + 9108a1^2a2^3 + 66132a1^2a2a3^2 + 30574i^4a1^2a2a3B1w + 33688i^4a1^2a2a3B2w + 41312i^4a1^2a2a3B3w - 210119a1^2a2a3w^2/10 + 109478i^4a1^2a2a3w + 729916a1^2a2a3 - 102886i^4a1^2a2a3^2 + 108124i^4a1^2a2a3B1w + 129260i^4a1^2a2a3B2w + 1310254i^4a1^2a2a3B3w + 22517a1^2a2w^4/2 - 78440a1^2a2B2^3w^2 - 207766i^4a1^2a2B2w^3/5 - 224534a1^2a2B2w^2 + 1451836i^4a1^2a2B2w - 31142a1^2a2B3^2w^2 - 198039i^4a1^2a2B3w^2 + 198476a1^2a2B3w^2 + 1310254i^4a1^2a2B3w + 22517a1^2a2w^4/2 - 577563i^4a1^2a2w^3/5 - 523844a1^2a2w^2/5 + 3859798i^4a1^2w + 12743910a1a2 + 42578a1a3^3 + 77092i^4a1a3^2B1w + 97896i^4a1a3^2B2w + 71782i^4a1a3^2B3w - 231912a1a3^2w^2/5 + 244115i^4a1a3^2w + 1507560a1a3^2 - 34800a1a3^2w^2 - 107260a1a3^2B1w^2 - 82708a1a3^2B2w^2 - 51047i^4a1a3^2B1w^2 - 246012a1a3^2B1w^2 + 1651768i^4a1a3^2B1w - 53680a1a3^2B2^2w^2 - 102496a1a3^2B2^2w^2 - 308699i^4a1a3^2B2w^3/5 - 335228a1a3^2B2w^2 + 2064766i^4a1a3^2B2w - 33834a1a3^2B3^2w^2 - 247614i^4a1a3^2B3w^2 - 255422a1a3^2B3w^2 + 1607752i^4a1a3^2B3w + 786807a1a3w^4/50 - 818057i^4a1a3w^3/5 - 143626a1a3w^2 + 5326574i^4a1a3w + 16939434a1a3 - 4216i^4a1B1^3w^3 - 24650i^4a1B1^2B2w^3 - 18340a1a1B1^2B3w^3 + 110159a1B1^2w^4/10 - 49932i^4a1B1^2w^3 - 353734a1B1^2w^2 - 32732i^4a1B1^2B2w^3 -$

Figure S1. Fragment of the program output generated during the computation of the characteristic-polynomial coefficients for the dense 7×7 , seven-parameter example.

Program-generated symbolic expression of $D_{K_4}(x)$

$$\begin{aligned} D_{K_4}(x) = & -(39208 \alpha^6 \alpha^2 + 45240 \alpha^6 \alpha^3 + 21112 i \alpha^6 \beta^1 \omega + 36192 i \alpha^6 \beta^2 \omega + 15080 i \alpha^6 \beta^3 \omega - \\ & 12064 \alpha^6 \omega^2 + 54288 i \alpha^6 \omega + 419224 \alpha^6 + 19576 \alpha^5 \alpha^2 + 100174 \alpha^5 \alpha^2 \alpha^3 + \\ & 77250 i \alpha^5 \alpha^2 \beta^1 \omega - 24766 i \alpha^5 \alpha^2 \beta^2 \omega + 104086 i \alpha^5 \alpha^2 \beta^3 \omega - 125402 \alpha^5 \alpha^2 \omega^2/5 + \\ & 127465 i \alpha^5 \alpha^2 \omega + 1107560 \alpha^5 \alpha^2 + 74814 \alpha^5 \alpha^3^2 + 122928 i \alpha^5 \alpha^3 \beta^1 \omega + 4126 i \alpha^5 \alpha^3 \beta^2 \omega + \\ & 119008 i \alpha^5 \alpha^3 \beta^3 \omega - 195742 \alpha^5 \alpha^3 \omega^2/5 + 220631 i \alpha^5 \alpha^3 \omega + 1651046 \alpha^5 \alpha^3 - 34542 \alpha^5 \beta^1 \omega^2 + \\ & - 43454 \alpha^5 \beta^1 \beta^2 \omega^2 - 85348 \alpha^5 \beta^1 \beta^3 \omega^2 - 162798 i \alpha^5 \beta^1 \omega^3/5 - 145503 \alpha^5 \beta^1 \omega^2 + \\ & 1240342 i \alpha^5 \beta^1 \omega + 47624 \alpha^5 \beta^2 \omega^2 - 51546 \alpha^5 \beta^2 \beta^3 \omega^2 + 5056 i \alpha^5 \beta^2 \omega^3/5 - \\ & 32208 \alpha^5 \beta^2 \omega^2 + 204462 i \alpha^5 \beta^2 \omega - 22734 \alpha^5 \beta^3 \omega^2 - 149226 i \alpha^5 \beta^3 \omega^3/5 - \\ & 172077 \alpha^5 \beta^3 \omega^2 + 1167826 i \alpha^5 \beta^3 \omega + 122692 \alpha^5 \omega^4/25 - 284768 i \alpha^5 \omega^3/5 - 2803168 \alpha^5 \omega^2/5 + \\ & 2294787 i \alpha^5 \omega + 8690969 \alpha^5 - 110260 \alpha^4 \alpha^2 \alpha^3 - 403200 \alpha^4 \alpha^2 \alpha^3 - 77756 i \alpha^4 \alpha^2 \beta^1 \omega - \\ & 478452 i \alpha^4 \alpha^2 \beta^2 \omega - 139684 i \alpha^4 \alpha^2 \beta^3 \omega + 148504 \alpha^4 \alpha^2 \omega^2 - 585598 i \alpha^4 \alpha^2 \omega - \\ & 3883202 \alpha^4 \alpha^2 - 481935 \alpha^4 \alpha^2 \alpha^3^2 - 136114 i \alpha^4 \alpha^2 \alpha^3 \beta^1 \omega - 1216144 i \alpha^4 \alpha^2 \alpha^3 \beta^2 \omega - \\ & 201094 i \alpha^4 \alpha^2 \alpha^3 \beta^3 \omega + 1660791 \alpha^4 \alpha^2 \alpha^3 \omega^2/5 - 1287880 i \alpha^4 \alpha^2 \alpha^3 \omega - 8786930 \alpha^4 \alpha^2 \alpha^3 - \\ & 28327 \alpha^4 \alpha^2 \beta^1 \omega^2 + 369848 \alpha^4 \alpha^2 \beta^1 \beta^2 \omega^2 - 36490 \alpha^4 \alpha^2 \beta^1 \beta^3 \omega^2 + 74099 i \alpha^4 \alpha^2 \beta^1 \omega^3 + \\ & 253324 \alpha^4 \alpha^2 \beta^1 \omega^2 - 1270162 i \alpha^4 \alpha^2 \beta^1 \omega + 584725 \alpha^4 \alpha^2 \beta^2 \omega^2 + 474872 \alpha^4 \alpha^2 \beta^2 \beta^3 \omega^2 + \\ & 2026301 i \alpha^4 \alpha^2 \beta^2 \omega^3/5 + 1655369 \alpha^4 \alpha^2 \beta^2 \omega^2 - 11783594 i \alpha^4 \alpha^2 \beta^2 \omega - 50407 \alpha^4 \alpha^2 \beta^3 \omega^2 + \\ & 397221 i \alpha^4 \alpha^2 \beta^3 \omega^3/5 + 283732 \alpha^4 \alpha^2 \beta^3 \omega^2 - 1539622 i \alpha^4 \alpha^2 \beta^3 \omega - 1449871 \alpha^4 \alpha^2 \omega^4/25 + \\ & 4593771 i \alpha^4 \alpha^2 \omega^3/10 + 20451692 \alpha^4 \alpha^2 \omega^2/5 - 12326338 i \alpha^4 \alpha^2 \omega - 40536584 \alpha^4 \alpha^2 - \\ & 204507 \alpha^4 \alpha^3^3 - 55481 i \alpha^4 \alpha^3^2 \beta^1 \omega - 764738 i \alpha^4 \alpha^3^2 \beta^2 \omega - 108667 i \alpha^4 \alpha^3^2 \beta^3 \omega + \\ & 976423 \alpha^4 \alpha^3^2 \omega^2/5 - 710097 i \alpha^4 \alpha^3^2 \omega - 5338799 \alpha^4 \alpha^3^2 - 65979 \alpha^4 \alpha^3 \beta^1 \omega^2 + \\ & 446216 \alpha^4 \alpha^3 \beta^1 \beta^2 \omega^2 - 124754 \alpha^4 \alpha^3 \beta^1 \beta^3 \omega^2 + 63712 i \alpha^4 \alpha^3 \beta^1 \omega^3 + 160948 \alpha^4 \alpha^3 \beta^1 \omega^2 - \\ & 756424 i \alpha^4 \alpha^3 \beta^1 \omega + 743879 \alpha^4 \alpha^3 \beta^2 \omega^2 + 497288 \alpha^4 \alpha^3 \beta^2 \beta^3 \omega^2 + 2406409 i \alpha^4 \alpha^3 \beta^2 \omega^3/5 + \\ & 1975835 \alpha^4 \alpha^3 \beta^2 \omega^2 - 14389468 i \alpha^4 \alpha^3 \beta^2 \omega - 42587 \alpha^4 \alpha^3 \beta^3 \omega^2 + 365608 i \alpha^4 \alpha^3 \beta^3 \omega^3/5 + \\ & 153932 \alpha^4 \alpha^3 \beta^3 \omega^2 - 1321976 i \alpha^4 \alpha^3 \beta^3 \omega - 1605521 \alpha^4 \alpha^3 \omega^4/25 + 4872609 i \alpha^4 \alpha^3 \omega^3/10 + \\ & 22494404 \alpha^4 \alpha^3 \omega^2/5 - 12980634 i \alpha^4 \alpha^3 \omega - 46576978 \alpha^4 \alpha^3 - 18557 i \alpha^4 \beta^1 \omega^3 + \\ & 37048 i \alpha^4 \beta^1 \omega^2 \beta^2 \omega^3 - 74037 i \alpha^4 \beta^1 \omega^2 \beta^3 \omega^3 + 51609 \alpha^4 \beta^1 \omega^4/5 - 51400 i \alpha^4 \beta^1 \omega^3 - \\ & 647553 \alpha^4 \beta^1 \omega^2 + 284799 i \alpha^4 \beta^1 \beta^2 \omega^3 + 128416 i \alpha^4 \beta^1 \beta^2 \beta^3 \omega^3 - 802581 \alpha^4 \beta^1 \beta^2 \omega^4/5 + \\ & 588839 i \alpha^4 \beta^1 \beta^2 \omega^3 + 4293426 \alpha^4 \beta^1 \beta^2 \omega^2 - 80583 i \alpha^4 \beta^1 \beta^3 \omega^3 + 95134 \alpha^4 \beta^1 \beta^3 \omega^4/5 - \\ & 157776 i \alpha^4 \beta^1 \beta^3 \omega^3 - 1399382 \alpha^4 \beta^1 \beta^3 \omega^2 - 76541 i \alpha^4 \beta^1 \omega^5/5 - 949199 \alpha^4 \beta^1 \omega^4/10 + \\ & 3806763 i \alpha^4 \beta^1 \omega^3/5 + 1499490 \alpha^4 \beta^1 \omega^2 - 2626354 i \alpha^4 \beta^1 \omega + 205292 i \alpha^4 \beta^2 \omega^3 + \\ & 293549 i \alpha^4 \beta^2 \beta^3 \omega^3 - 1173352 \alpha^4 \beta^2 \omega^4/5 + 1018702 i \alpha^4 \beta^2 \omega^3 + 7233403 \alpha^4 \beta^2 \omega^2 + \\ & 29000 i \alpha^4 \beta^2 \beta^3 \omega^3 - 151203 \alpha^4 \beta^2 \beta^3 \omega^4 + 639397 i \alpha^4 \beta^2 \beta^3 \omega^3 + 4382678 \alpha^4 \beta^2 \beta^3 \omega^2 - \\ & 1917908 i \alpha^4 \beta^2 \omega^5/25 - 643994 \alpha^4 \beta^2 \omega^4 + 29662362 i \alpha^4 \beta^2 \omega^3/5 + 19048775 \alpha^4 \beta^2 \omega^2 - \\ & 67899235 i \alpha^4 \beta^2 \omega - 5415 i \alpha^4 \beta^3 \omega^3 + 45273 \alpha^4 \beta^3 \omega^4/5 - 100824 i \alpha^4 \beta^3 \omega^3 - \\ & 522321 \alpha^4 \beta^3 \omega^2 - 66231 i \alpha^4 \beta^3 \omega^5/5 - 803021 \alpha^4 \beta^3 \omega^4/10 + 667973 i \alpha^4 \beta^3 \omega^3 + \\ & 1000982 \alpha^4 \beta^3 \omega^2 - 3557214 i \alpha^4 \beta^3 \omega + 891913 \alpha^4 \omega^6/125 - 2116801 i \alpha^4 \omega^5/25 - 938806 \alpha^4 \omega^4 + \\ & + 10188271 i \alpha^4 \omega^3/2 + 253719471 \alpha^4 \omega^2/10 - 60061109 i \alpha^4 \omega - 136996476 \alpha^4 - 88158 \alpha^3 \alpha^2^4 - \\ & 729526 \alpha^3 \alpha^2^3 \alpha^3 - 256560 i \alpha^3 \alpha^2^3 \beta^1 \omega - 545168 i \alpha^3 \alpha^2^3 \beta^2 \omega - 464426 i \alpha^3 \alpha^2^3 \beta^3 \omega + \\ & 2655909 \alpha^3 \alpha^2^3 \omega^2/10 - 1170646 i \alpha^3 \alpha^2^3 \omega - 7940802 \alpha^3 \alpha^2^3 - 1804204 \alpha^3 \alpha^2^2 \alpha^3^2 - \\ & 1240402 i \alpha^3 \alpha^2^2 \alpha^3 \beta^1 \omega - 2921520 i \alpha^3 \alpha^2^2 \alpha^3 \beta^2 \omega - 1927224 i \alpha^3 \alpha^2^2 \alpha^3 \beta^3 \omega + \\ & 12524187 \alpha^3 \alpha^2^2 \alpha^3 \omega^2/10 - 5474874 i \alpha^3 \alpha^2^2 \alpha^3 \omega - 37717292 \alpha^3 \alpha^2^2 \alpha^3 + \\ & 170442 \alpha^3 \alpha^2^2 \beta^1 \omega^2 + 1155116 \alpha^3 \alpha^2^2 \beta^1 \beta^2 \omega^2 + 646502 \alpha^3 \alpha^2^2 \beta^1 \beta^3 \omega^2 + \\ & 4507081 i \alpha^3 \alpha^2^2 \beta^1 \omega^3/10 + 1900310 \alpha^3 \alpha^2^2 \beta^1 \omega^2 - 12843998 i \alpha^3 \alpha^2^2 \beta^1 \omega + \\ & 999054 \alpha^3 \alpha^2^2 \beta^2 \omega^2 + 1690940 \alpha^3 \alpha^2^2 \beta^2 \beta^3 \omega^2 + 4897527 i \alpha^3 \alpha^2^2 \beta^2 \omega^3/5 + \\ & 4433458 \alpha^3 \alpha^2^2 \beta^2 \omega^2 - 30837976 i \alpha^3 \alpha^2^2 \beta^2 \omega + 418096 \alpha^3 \alpha^2^2 \beta^3 \omega^2 + \\ & 1299335 i \alpha^3 \alpha^2^2 \beta^3 \omega^3/2 + 2805678 \alpha^3 \alpha^2^2 \beta^3 \omega^2 - 19229558 i \alpha^3 \alpha^2^2 \beta^3 \omega - \\ & 20966087 \alpha^3 \alpha^2^2 \omega^4/100 + 9257048 i \alpha^3 \alpha^2^2 \omega^3/5 + 168838091 \alpha^3 \alpha^2^2 \omega^2/10 - \\ & 56358244 i \alpha^3 \alpha^2^2 \omega - 193735988 \alpha^3 \alpha^2^2 - 1709446 \alpha^3 \alpha^2 \alpha^3^3 - 1840036 i \alpha^3 \alpha^2 \alpha^3^2 \beta^1 \omega - \end{aligned}$$

$$\begin{aligned}
& 4339432*i^{\alpha_1^3}\alpha_2^*\alpha_3^2*\beta_2^*\omega - 2404718*i^{\alpha_1^3}\alpha_2^*\alpha_3^2*\beta_3^*\omega + 1730557*\alpha_1^3*\alpha_2^*\alpha_3^2*\omega^2 - \\
& 7614029*i^{\alpha_1^3}\alpha_2^*\alpha_3^2*\omega - 52764760*\alpha_1^3*\alpha_2^*\alpha_3^2 + 484196*\alpha_1^3*\alpha_2^*\alpha_3*\beta_1^2*\omega^2 + \\
& 3548732*\alpha_1^3*\alpha_2^*\alpha_3*\beta_1^2*\omega^2 + 1655832*\alpha_1^3*\alpha_2^*\alpha_3*\beta_1^3*\omega^2 + 6431661*i^{\alpha_1^3}\alpha_2^*\alpha_3*\beta_1^*\omega^{3/5} + \\
& 5364702*\alpha_1^3*\alpha_2^*\alpha_3*\beta_1^*\omega^2 - 37161754*i^{\alpha_1^3}\alpha_2^*\alpha_3*\beta_1^*\omega + 3233466*\alpha_1^3*\alpha_2^*\alpha_3*\beta_2^2*\omega^2 + \\
& 4464200*\alpha_1^3*\alpha_2^*\alpha_3*\beta_2^3*\omega^2 + 2882926*i^{\alpha_1^3}\alpha_2^*\alpha_3*\beta_2^*\omega^3 + 13079832*\alpha_1^3*\alpha_2^*\alpha_3*\beta_2^*\omega^2 - \\
& 90538630*i^{\alpha_1^3}\alpha_2^*\alpha_3*\beta_2^*\omega + 827270*\alpha_1^3*\alpha_2^*\alpha_3*\beta_3^2*\omega^2 + 7865687*i^{\alpha_1^3}\alpha_2^*\alpha_3*\beta_3^*\omega^{3/5} + \\
& 6903578*\alpha_1^3*\alpha_2^*\alpha_3*\beta_3^*\omega^2 - 47203496*i^{\alpha_1^3}\alpha_2^*\alpha_3*\beta_3^*\omega - 14302458*\alpha_1^3*\alpha_2^*\alpha_3*\omega^{4/25} + \\
& 25429789*i^{\alpha_1^3}\alpha_2^*\alpha_3*\omega^{3/5} + 231903669*\alpha_1^3*\alpha_2^*\alpha_3*\omega^{2/5} - 155281604*i^{\alpha_1^3}\alpha_2^*\alpha_3*\omega - \\
& 535528512*\alpha_1^3*\alpha_2^*\alpha_3 + 25554*i^{\alpha_1^3}\alpha_2^*\beta_1^3*\omega^3 + 592142*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_2^*\omega^3 + \\
& 192752*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_3^*\omega^3 - 191066*\alpha_1^3*\alpha_2^*\beta_1^2*\omega^4 + 772053*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\omega^3 + \\
& 4978158*\alpha_1^3*\alpha_2^*\beta_1^2*\omega^2 + 1439442*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_2^2*\omega^3 + 1818828*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_3^*\omega^3 - \\
& 5923067*\alpha_1^3*\alpha_2^*\beta_1^2*\omega^{4/5} + 5075894*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_2^*\omega^3 + 36044070*\alpha_1^3*\alpha_2^*\beta_1^2*\beta_3^*\omega^2 + \\
& 287320*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_3^2*\omega^3 - 2931508*\alpha_1^3*\alpha_2^*\beta_1^2*\beta_3^*\omega^{4/5} + 2405020*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\beta_3^*\omega^3 + \\
& 16267942*\alpha_1^3*\alpha_2^*\beta_1^2*\beta_3^*\omega^2 - 10972591*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\omega^{5/50} - 1848570*\alpha_1^3*\alpha_2^*\beta_1^2*\omega^4 + \\
& 84216194*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\omega^{3/5} + 54324650*\alpha_1^3*\alpha_2^*\beta_1^2*\omega^2 - 186560746*i^{\alpha_1^3}\alpha_2^*\beta_1^2*\omega + \\
& 686650*i^{\alpha_1^3}\alpha_2^*\beta_2^3*\omega^3 + 1765790*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\beta_3^*\omega^3 - 10428053*\alpha_1^3*\alpha_2^*\beta_2^2*\omega^{4/10} + \\
& 4943142*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\omega^3 + 33930446*\alpha_1^3*\alpha_2^*\beta_2^2*\omega^2 + 935508*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\beta_3^2*\omega^3 - \\
& 7176521*\alpha_1^3*\alpha_2^*\beta_2^2*\beta_3^*\omega^{4/5} + 6474916*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\beta_3^*\omega^3 + 44675008*\alpha_1^3*\alpha_2^*\beta_2^2*\beta_3^*\omega^2 - \\
& 23161823*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\omega^{5/50} - 21250627*\alpha_1^3*\alpha_2^*\beta_2^2*\omega^{4/5} + 194658249*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\omega^{3/5} + \\
& 133478764*\alpha_1^3*\alpha_2^*\beta_2^2*\omega^2 - 463184206*i^{\alpha_1^3}\alpha_2^*\beta_2^2*\omega + 30654*i^{\alpha_1^3}\alpha_2^*\beta_3^3*\omega^3 - \\
& 1341072*\alpha_1^3*\alpha_2^*\beta_3^2*\omega^{4/5} + 1210590*i^{\alpha_1^3}\alpha_2^*\beta_3^2*\omega^3 + 7749500*\alpha_1^3*\alpha_2^*\beta_3^2*\omega^2 - \\
& 12788293*i^{\alpha_1^3}\alpha_2^*\beta_3^2*\omega^{5/50} - 11393974*\alpha_1^3*\alpha_2^*\beta_3^2*\omega^{4/5} + 102706234*i^{\alpha_1^3}\alpha_2^*\beta_3^2*\omega^{3/5} + \\
& 68336498*\alpha_1^3*\alpha_2^*\beta_3^2*\omega^2 - 230683314*i^{\alpha_1^3}\alpha_2^*\beta_3^2*\omega + 7702927*\alpha_1^3*\alpha_2^*\omega^{6/125} - 20758571*i^{\alpha_1^3}\alpha_2^*\omega^{5/25} - \\
& 470990359*\alpha_1^3*\alpha_2^*\omega^{4/50} + 565787323*i^{\alpha_1^3}\alpha_2^*\omega^{3/10} + 1449038526*\alpha_1^3*\alpha_2^*\omega^{2/5} - \\
& 782453165*i^{\alpha_1^3}\alpha_2^*\omega - 1791015719*\alpha_1^3*\alpha_2 - 544182*\alpha_1^3*\alpha_3^4 - 839498*i^{\alpha_1^3}\alpha_3^3*\beta_1^*\omega - \\
& 1869732*i^{\alpha_1^3}\alpha_3^3*\beta_2^*\omega - 941276*i^{\alpha_1^3}\alpha_3^3*\beta_3^*\omega + 3608852*\alpha_1^3*\alpha_3^3*\omega^{2/5} - 3230549*i^{\alpha_1^3}\alpha_3^3*\omega - \\
& 22329382*\alpha_1^3*\alpha_3^3 + 329706*\alpha_1^3*\alpha_3^2*\beta_1^2*\omega^2 + 2491172*\alpha_1^3*\alpha_3^2*\beta_1^2*\beta_2^*\omega^2 + \\
& 1003618*\alpha_1^3*\alpha_3^2*\beta_1^2*\beta_3^*\omega^2 + 852533*i^{\alpha_1^3}\alpha_3^2*\beta_1^2*\omega^3 + 3513057*\alpha_1^3*\alpha_3^2*\beta_1^2*\omega^2 - \\
& 25028088*i^{\alpha_1^3}\alpha_3^2*\beta_1^2*\omega + 2175324*\alpha_1^3*\alpha_3^2*\beta_2^2*\omega^2 + 2641644*\alpha_1^3*\alpha_3^2*\beta_2^2*\beta_3^*\omega^2 + \\
& 9302581*i^{\alpha_1^3}\alpha_3^2*\beta_2^2*\omega^{3/5} + 8648348*\alpha_1^3*\alpha_3^2*\beta_2^2*\omega^2 - 58713936*i^{\alpha_1^3}\alpha_3^2*\beta_2^2*\omega + \\
& 440910*\alpha_1^3*\alpha_3^2*\beta_3^2*\omega^2 + 4496279*i^{\alpha_1^3}\alpha_3^2*\beta_3^2*\omega^{3/5} + 3985017*\alpha_1^3*\alpha_3^2*\beta_3^2*\omega^2 - \\
& 27497990*i^{\alpha_1^3}\alpha_3^2*\beta_3^2*\omega - 8880362*\alpha_1^3*\alpha_3^2*\omega^{4/25} + 3206210*i^{\alpha_1^3}\alpha_3^2*\omega^3 + \\
& 145666822*\alpha_1^3*\alpha_3^2*\omega^{2/5} - 98481687*i^{\alpha_1^3}\alpha_3^2*\omega - 339210683*\alpha_1^3*\alpha_3^2 + 28334*i^{\alpha_1^3}\alpha_3*\beta_1^3*\omega^3 + \\
& 847430*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_2^*\omega^3 + 200072*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_3^*\omega^3 - 1254162*\alpha_1^3*\alpha_3*\beta_1^2*\omega^{4/5} + \\
& 991465*i^{\alpha_1^3}\alpha_3*\beta_1^2*\omega^3 + 6644780*\alpha_1^3*\alpha_3*\beta_1^2*\omega^2 + 2100856*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_2^2*\omega^3 + \\
& 2329120*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_3^*\omega^3 - 8196846*\alpha_1^3*\alpha_3*\beta_1^2*\omega^{4/5} + 7025736*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_2^*\omega^3 + \\
& 50202190*\alpha_1^3*\alpha_3*\beta_1^2*\beta_2^*\omega^2 + 253014*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_3^2*\omega^3 - 681180*\alpha_1^3*\alpha_3*\beta_1^2*\beta_3^*\omega^4 + \\
& 2731852*i^{\alpha_1^3}\alpha_3*\beta_1^2*\beta_3^*\omega^3 + 19096260*\alpha_1^3*\alpha_3*\beta_1^2*\beta_3^*\omega^2 - 7144019*i^{\alpha_1^3}\alpha_3*\beta_1^2*\omega^{5/25} - \\
& 11983324*\alpha_1^3*\alpha_3*\beta_1^2*\omega^{4/5} + 110233858*i^{\alpha_1^3}\alpha_3*\beta_1^2*\omega^{3/5} + 70731606*\alpha_1^3*\alpha_3*\beta_1^2*\omega^2 - \\
& 248030984*i^{\alpha_1^3}\alpha_3*\beta_1^2*\omega + 1010870*i^{\alpha_1^3}\alpha_3*\beta_2^3*\omega^3 + 2178880*i^{\alpha_1^3}\alpha_3*\beta_2^2*\beta_3^*\omega^3 - \\
& 14314441*\alpha_1^3*\alpha_3*\beta_2^2*\omega^{4/10} + 6891476*i^{\alpha_1^3}\alpha_3*\beta_2^2*\omega^3 + 46103290*\alpha_1^3*\alpha_3*\beta_2^2*\omega^2 + \\
& 955004*i^{\alpha_1^3}\alpha_3*\beta_2^2*\beta_3^2*\omega^3 - 8423134*\alpha_1^3*\alpha_3*\beta_2^2*\beta_3^*\omega^{4/5} + 7852286*i^{\alpha_1^3}\alpha_3*\beta_2^2*\beta_3^*\omega^3 + \\
& 52963512*\alpha_1^3*\alpha_3*\beta_2^2*\beta_3^*\omega^2 - 15057418*i^{\alpha_1^3}\alpha_3*\beta_2^2*\omega^{5/25} - 28134146*\alpha_1^3*\alpha_3*\beta_2^2*\omega^{4/5} + \\
& 50979119*i^{\alpha_1^3}\alpha_3*\beta_2^2*\omega^3 + 176754942*\alpha_1^3*\alpha_3*\beta_2^2*\omega^2 - 603201176*i^{\alpha_1^3}\alpha_3*\beta_2^2*\omega + \\
& 44788*i^{\alpha_1^3}\alpha_3*\beta_3^3*\omega^3 - 1351556*\alpha_1^3*\alpha_3*\beta_3^2*\omega^{4/5} + 1167388*i^{\alpha_1^3}\alpha_3*\beta_3^2*\omega^3 + \\
& 8012938*\alpha_1^3*\alpha_3*\beta_3^2*\omega^2 - 7200381*i^{\alpha_1^3}\alpha_3*\beta_3^2*\omega^{5/25} - 12957336*\alpha_1^3*\alpha_3*\beta_3^2*\omega^{4/5} + \\
& 116861432*i^{\alpha_1^3}\alpha_3*\beta_3^2*\omega^{3/5} + 78157494*\alpha_1^3*\alpha_3*\beta_3^2*\omega^2 - 266317506*i^{\alpha_1^3}\alpha_3*\beta_3^2*\omega + \\
& 38282343*\alpha_1^3*\alpha_3*\omega^{6/500} - 5226752*i^{\alpha_1^3}\alpha_3*\omega^{5/5} - 295685863*\alpha_1^3*\alpha_3*\omega^{4/25} + \\
& 714941687*i^{\alpha_1^3}\alpha_3*\omega^{3/10} + 365233209*\alpha_1^3*\alpha_3*\omega^2 - 990992487*i^{\alpha_1^3}\alpha_3*\omega - 2265779875*\alpha_1^3*\alpha_3 + \\
& 2326*\alpha_1^3*\beta_1^4*\omega^4 - 76406*\alpha_1^3*\beta_1^3*\beta_2^*\omega^4 + 5902*\alpha_1^3*\beta_1^3*\beta_3^*\omega^4 - 84477*i^{\alpha_1^3}\beta_1^3*\omega^{5/5} -
\end{aligned}$$

$$\begin{aligned}
& 66309 \alpha^3 \beta^1 \omega^4 + 327216 i \alpha^3 \beta^1 \omega^3 - 405456 \alpha^3 \beta^1 \omega^2 - 390834 \alpha^3 \beta^1 \omega - 293107 i \alpha^3 \beta^1 \omega - 1182000 \alpha^3 \beta^1 \omega - 8540382 i \alpha^3 \beta^1 \omega + \\
& 3368 \alpha^3 \beta^1 \omega^2 + 447777 i \alpha^3 \beta^1 \omega^2 + 331809 \alpha^3 \beta^1 \omega^2 + 1988434 i \alpha^3 \beta^1 \omega^2 + 4612387 \alpha^3 \beta^1 \omega^2 + 3662863 i \alpha^3 \beta^1 \omega^2 + \\
& 16474133 \alpha^3 \beta^1 \omega^2 + 10139089 i \alpha^3 \beta^1 \omega^2 + 33584405 \alpha^3 \beta^1 \omega^2 - 513062 \alpha^3 \beta^1 \omega^2 - 1051144 \alpha^3 \beta^1 \omega^2 - 6696421 i \alpha^3 \beta^1 \omega^2 - 3001432 \alpha^3 \beta^1 \omega^2 + \\
& 21199066 i \alpha^3 \beta^1 \omega^2 - 450796 \alpha^3 \beta^1 \omega^2 - 3775686 i \alpha^3 \beta^1 \omega^2 - 3239670 \alpha^3 \beta^1 \omega^2 + 22857478 i \alpha^3 \beta^1 \omega^2 + 13212147 \alpha^3 \beta^1 \omega^2 - 2305301 i \alpha^3 \beta^1 \omega^2 - 106509449 \alpha^3 \beta^1 \omega^2 + 70624762 i \alpha^3 \beta^1 \omega^2 + \\
& 250854294 \alpha^3 \beta^1 \omega^2 + 10590 \alpha^3 \beta^1 \omega^2 - 470041 i \alpha^3 \beta^1 \omega^2 - 337408 \alpha^3 \beta^1 \omega^2 + 2205606 i \alpha^3 \beta^1 \omega^2 + 5786433 \alpha^3 \beta^1 \omega^2 - 4798047 i \alpha^3 \beta^1 \omega^2 - 8647084 \alpha^3 \beta^1 \omega^2 + 26994296 i \alpha^3 \beta^1 \omega^2 + \\
& 91435112 \alpha^3 \beta^1 \omega^2 + 125689 i \alpha^3 \beta^1 \omega^2 + 4021433 \alpha^3 \beta^1 \omega^2 - 227319467 i \alpha^3 \beta^1 \omega^2 - 264510131 \alpha^3 \beta^1 \omega^2 + 676488146 i \alpha^3 \beta^1 \omega^2 + 354153673 \alpha^3 \beta^1 \omega^2 - 817094177 i \alpha^3 \beta^1 \omega^2 - \\
& 152344 \alpha^3 \beta^1 \omega^2 - 535730 \alpha^3 \beta^1 \omega^2 - 1621826 i \alpha^3 \beta^1 \omega^2 - 1627268 \alpha^3 \beta^1 \omega^2 + 10773414 i \alpha^3 \beta^1 \omega^2 - 435248 \alpha^3 \beta^1 \omega^2 - 6920719 i \alpha^3 \beta^1 \omega^2 - 3297248 \alpha^3 \beta^1 \omega^2 + 22132046 i \alpha^3 \beta^1 \omega^2 + 4535787 \alpha^3 \beta^1 \omega^2 - 2188987 i \alpha^3 \beta^1 \omega^2 - 198454087 \alpha^3 \beta^1 \omega^2 + 70313266 i \alpha^3 \beta^1 \omega^2 + 238091566 \alpha^3 \beta^1 \omega^2 - 59476 \alpha^3 \beta^1 \omega^2 - 1461723 i \alpha^3 \beta^1 \omega^2 - 1428034 \alpha^3 \beta^1 \omega^2 + 9169958 i \alpha^3 \beta^1 \omega^2 + 13278217 \alpha^3 \beta^1 \omega^2 - 2490803 i \alpha^3 \beta^1 \omega^2 - 112315977 \alpha^3 \beta^1 \omega^2 + 77900092 i \alpha^3 \beta^1 \omega^2 + 262412306 \alpha^3 \beta^1 \omega^2 + 6340309 i \alpha^3 \beta^1 \omega^2 + 8933721 \alpha^3 \beta^1 \omega^2 - 101641039 i \alpha^3 \beta^1 \omega^2 - 313383954 \alpha^3 \beta^1 \omega^2 + 1608047184 i \alpha^3 \beta^1 \omega^2 + 890758126 \alpha^3 \beta^1 \omega^2 - 2033021134 i \alpha^3 \beta^1 \omega^2 - 4298 \alpha^3 \beta^1 \omega^2 - 13053 i \alpha^3 \beta^1 \omega^2 - 38990 \alpha^3 \beta^1 \omega^2 + 370816 i \alpha^3 \beta^1 \omega^2 + 4270459 \alpha^3 \beta^1 \omega^2 - 771671 i \alpha^3 \beta^1 \omega^2 - 16918919 \alpha^3 \beta^1 \omega^2 + 10994300 i \alpha^3 \beta^1 \omega^2 + 36785930 \alpha^3 \beta^1 \omega^2 + 15304023 i \alpha^3 \beta^1 \omega^2 + 20966403 \alpha^3 \beta^1 \omega^2 - 235588557 i \alpha^3 \beta^1 \omega^2 - 283229837 \alpha^3 \beta^1 \omega^2 + 142847532 i \alpha^3 \beta^1 \omega^2 + 382120465 \alpha^3 \beta^1 \omega^2 - 857165683 i \alpha^3 \beta^1 \omega^2 - 15197607 \alpha^3 \beta^1 \omega^2 + 22319873 i \alpha^3 \beta^1 \omega^2 + 379256159 \alpha^3 \beta^1 \omega^2 - 316497244 i \alpha^3 \beta^1 \omega^2 - 4243232421 \alpha^3 \beta^1 \omega^2 + 1957816466 i \alpha^3 \beta^1 \omega^2 + 14548690431 \alpha^3 \beta^1 \omega^2 - 3294608258 i \alpha^3 \beta^1 \omega^2 - 5623519898 \alpha^3 \beta^1 \omega^2 + 16226 \alpha^3 \beta^1 \omega^2 - 185874 \alpha^3 \beta^1 \omega^2 - 100670 i \alpha^3 \beta^1 \omega^2 - 25562 i \alpha^3 \beta^1 \omega^2 - 196962 i \alpha^3 \beta^1 \omega^2 + 364716 \alpha^3 \beta^1 \omega^2 - 467935 i \alpha^3 \beta^1 \omega^2 - 2600078 \alpha^3 \beta^1 \omega^2 - 1252567 \alpha^3 \beta^1 \omega^2 - 1101444 i \alpha^3 \beta^1 \omega^2 - 1458226 i \alpha^3 \beta^1 \omega^2 - 1875550 i \alpha^3 \beta^1 \omega^2 + 930405 \alpha^3 \beta^1 \omega^2 - 4707690 i \alpha^3 \beta^1 \omega^2 - 29813522 \alpha^3 \beta^1 \omega^2 + 203471 \alpha^3 \beta^1 \omega^2 + 721498 \alpha^3 \beta^1 \omega^2 + 737980 \alpha^3 \beta^1 \omega^2 + 1965907 i \alpha^3 \beta^1 \omega^2 + 1853142 \alpha^3 \beta^1 \omega^2 - 12222226 i \alpha^3 \beta^1 \omega^2 + 235273 \alpha^3 \beta^1 \omega^2 + 1158582 \alpha^3 \beta^1 \omega^2 + 4853631 i \alpha^3 \beta^1 \omega^2 + 2776448 \alpha^3 \beta^1 \omega^2 - 17555164 i \alpha^3 \beta^1 \omega^2 + 597867 \alpha^3 \beta^1 \omega^2 + 635430 i \alpha^3 \beta^1 \omega^2 + 2968260 \alpha^3 \beta^1 \omega^2 - 20397862 i \alpha^3 \beta^1 \omega^2 - 15441503 \alpha^3 \beta^1 \omega^2 + 7749873 i \alpha^3 \beta^1 \omega^2 + 70213239 \alpha^3 \beta^1 \omega^2 - 50823857 i \alpha^3 \beta^1 \omega^2 - 167938180 \alpha^3 \beta^1 \omega^2 - 2317853 \alpha^3 \beta^1 \omega^2 - 3182209 i \alpha^3 \beta^1 \omega^2 - 4784018 i \alpha^3 \beta^1 \omega^2 - 4547485 i \alpha^3 \beta^1 \omega^2 + 25466189 \alpha^3 \beta^1 \omega^2 - 12342094 i \alpha^3 \beta^1 \omega^2 - 80220835 \alpha^3 \beta^1 \omega^2 + 1148001 \alpha^3 \beta^1 \omega^2 + 4710048 \alpha^3 \beta^1 \omega^2 + 3817914 \alpha^3 \beta^1 \omega^2 + 11152744 i \alpha^3 \beta^1 \omega^2 + 10128892 \alpha^3 \beta^1 \omega^2 - 68682128 i \alpha^3 \beta^1 \omega^2 + 2724785 \alpha^3 \beta^1 \omega^2 + 6534484 \alpha^3 \beta^1 \omega^2 + 33611581 i \alpha^3 \beta^1 \omega^2 + 17205190 \alpha^3 \beta^1 \omega^2 - 111176202 i \alpha^3 \beta^1 \omega^2 + 2497623 \alpha^3 \beta^1 \omega^2 + 3096278 i \alpha^3 \beta^1 \omega^2 + 14392120 \alpha^3 \beta^1 \omega^2 - 97594322 i \alpha^3 \beta^1 \omega^2 - 86860803 \alpha^3 \beta^1 \omega^2 + 41920921 i \alpha^3 \beta^1 \omega^2 + 377162341 \alpha^3 \beta^1 \omega^2 - 266586473 i \alpha^3 \beta^1 \omega^2 - 887399266 \alpha^3 \beta^1 \omega^2 + 115139 i \alpha^3 \beta^1 \omega^2 + 935312 i \alpha^3 \beta^1 \omega^2 + 662359 i \alpha^3 \beta^1 \omega^2 -
\end{aligned}$$

$$\begin{aligned}
& 2030491 \alpha^2 \alpha^2 \beta^1 \omega^{4/5} + 1763309 i \alpha^2 \alpha^2 \beta^1 \omega^3 + 12064367 \alpha^2 \alpha^2 \beta^1 \omega^2 + \\
& 1445207 i \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^3 + 2899636 i \alpha^2 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^3 - 15515707 \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^{4/10} + \\
& 7335068 i \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^3 + 50470840 \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^2 + 1025087 i \alpha^2 \alpha^2 \beta^1 \beta^3 \omega^3 - \\
& 6417989 \alpha^2 \alpha^2 \beta^1 \beta^3 \omega^{4/5} + 5708698 i \alpha^2 \alpha^2 \beta^1 \beta^3 \omega^3 + 39527312 \alpha^2 \alpha^2 \beta^1 \beta^3 \omega^2 - \\
& 36790767 i \alpha^2 \alpha^2 \beta^1 \omega^{5/100} - 16756941 \alpha^2 \alpha^2 \beta^1 \omega^{4/5} + 153676006 i \alpha^2 \alpha^2 \beta^1 \omega^{3/5} + \\
& 105259275 \alpha^2 \alpha^2 \beta^1 \omega^2 - 361808522 i \alpha^2 \alpha^2 \beta^1 \omega + 328236 i \alpha^2 \alpha^2 \beta^2 \omega^3 + \\
& 1964411 i \alpha^2 \alpha^2 \beta^2 \omega^3 - 4374317 \alpha^2 \alpha^2 \beta^2 \omega^{4/5} + 5001600 i \alpha^2 \alpha^2 \beta^2 \omega^3 + \\
& 31973963 \alpha^2 \alpha^2 \beta^2 \omega^2 + 1905064 i \alpha^2 \alpha^2 \beta^2 \beta^3 \omega^3 - 21276147 \alpha^2 \alpha^2 \beta^2 \beta^3 \omega^{4/10} + \\
& 10257518 i \alpha^2 \alpha^2 \beta^2 \beta^3 \omega^3 + 70162518 \alpha^2 \alpha^2 \beta^2 \beta^3 \omega^2 - 53795941 i \alpha^2 \alpha^2 \beta^2 \omega^{5/100} - \\
& 27525622 \alpha^2 \alpha^2 \beta^2 \omega^{4/5} + 501313931 i \alpha^2 \alpha^2 \beta^2 \omega^{3/10} + 183646882 \alpha^2 \alpha^2 \beta^2 \omega^2 - \\
& 614173810 i \alpha^2 \alpha^2 \beta^2 \omega + 370063 i \alpha^2 \alpha^2 \beta^3 \omega^3 - 813456 \alpha^2 \alpha^2 \beta^3 \omega^4 + \\
& 3721619 i \alpha^2 \alpha^2 \beta^3 \omega^3 + 25399967 \alpha^2 \alpha^2 \beta^3 \omega^2 - 50157137 i \alpha^2 \alpha^2 \beta^3 \omega^{5/100} - \\
& 23490112 \alpha^2 \alpha^2 \beta^3 \omega^{4/5} + 42947892 i \alpha^2 \alpha^2 \beta^3 \omega^3 + 149172395 \alpha^2 \alpha^2 \beta^3 \omega^2 - \\
& 509765000 i \alpha^2 \alpha^2 \beta^3 \omega + 92506511 \alpha^2 \alpha^2 \omega^{6/1000} - 26882643 i \alpha^2 \alpha^2 \omega^{5/20} - \\
& 1543533729 \alpha^2 \alpha^2 \omega^{4/100} + 484426858 i \alpha^2 \alpha^2 \omega^{3/5} + 4992878409 \alpha^2 \alpha^2 \omega^{2/10} - \\
& 1401934771 i \alpha^2 \alpha^2 \omega - 3165801711 \alpha^2 \alpha^2 - 1641373 \alpha^2 \alpha^2 \alpha^3^4 - 3350158 i \alpha^2 \alpha^2 \alpha^3^3 \beta^1 \omega - \\
& 4836734 i \alpha^2 \alpha^2 \alpha^3^3 \beta^2 \omega - 3911824 i \alpha^2 \alpha^2 \alpha^3^3 \beta^3 \omega + 12080342 \alpha^2 \alpha^2 \alpha^3^3 \omega^{2/5} - \\
& 11817542 i \alpha^2 \alpha^2 \alpha^3^3 \omega - 76045856 \alpha^2 \alpha^2 \alpha^3^3 + 1883251 \alpha^2 \alpha^2 \alpha^3^2 \beta^1 \omega^2 + \\
& 7882240 \alpha^2 \alpha^2 \alpha^3^2 \beta^1 \beta^2 \omega^2 + 5586750 \alpha^2 \alpha^2 \alpha^3^2 \beta^1 \beta^3 \omega^2 + 17422409 i \alpha^2 \alpha^2 \alpha^3^2 \beta^1 \omega^{3/5} + \\
& 15649738 \alpha^2 \alpha^2 \alpha^3^2 \beta^1 \omega^2 - 107465292 i \alpha^2 \alpha^2 \alpha^3^2 \beta^1 \omega + 4753494 \alpha^2 \alpha^2 \alpha^3^2 \beta^2 \omega^2 + \\
& 9086130 \alpha^2 \alpha^2 \alpha^3^2 \beta^2 \beta^3 \omega^2 + 5250320 i \alpha^2 \alpha^2 \alpha^3^2 \beta^2 \omega^3 + 26702129 \alpha^2 \alpha^2 \alpha^3^2 \beta^2 \omega^2 - \\
& 169764682 i \alpha^2 \alpha^2 \alpha^3^2 \beta^2 \omega + 2836846 \alpha^2 \alpha^2 \alpha^3^2 \beta^3 \omega^2 + 4041353 i \alpha^2 \alpha^2 \alpha^3^2 \beta^3 \omega^3 + \\
& 19291744 \alpha^2 \alpha^2 \alpha^3^2 \beta^3 \omega^2 - 127296036 i \alpha^2 \alpha^2 \alpha^3^2 \beta^3 \omega - 6296947 \alpha^2 \alpha^2 \alpha^3^2 \omega^{4/5} + \\
& 122483541 i \alpha^2 \alpha^2 \alpha^3^2 \omega^{3/10} + 1088895083 \alpha^2 \alpha^2 \alpha^3^2 \omega^{2/10} - 385824944 i \alpha^2 \alpha^2 \alpha^3^2 \omega - \\
& 1268080098 \alpha^2 \alpha^2 \alpha^3^2 + 374380 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^3 + 3218694 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + \\
& 2002654 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 - 6546052 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^{4/5} + 5607360 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^3 + \\
& 39096248 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 + 5459928 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 9095784 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 - \\
& 5283873 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 + 24510476 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 168403440 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 + \\
& 2699262 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 - 18693257 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^{4/5} + 16599460 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + \\
& 114994644 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 - 29020246 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^{5/25} - 52417718 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^{4/5} + \\
& 479410869 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^{3/5} + 325989704 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 - 1126314614 i \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega + \\
& 1732128 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^3 + 6257708 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - 16653377 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^{4/5} + \\
& 17960952 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^3 + 112433492 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^2 + 4737086 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - \\
& 30694249 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^{4/5} + 30049276 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 198144670 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - \\
& 44262896 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^{5/25} - 89352407 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^{4/5} + 159320914 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^3 + \\
& 578121456 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^2 - 1892246890 i \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega + 660748 i \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^3 - \\
& 9370462 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^{4/5} + 8950640 i \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^3 + 58590720 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^2 - \\
& 33541349 i \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^{5/25} - 12838467 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^4 + 115162218 i \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^3 + \\
& 403863574 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^2 - 1344126144 i \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega + 34728953 \alpha^2 \alpha^2 \alpha^3 \omega^{6/125} - \\
& 101212106 i \alpha^2 \alpha^2 \alpha^3 \omega^{5/25} - 2293768681 \alpha^2 \alpha^2 \alpha^3 \omega^{4/50} + 1436093752 i \alpha^2 \alpha^2 \alpha^3 \omega^{3/5} + \\
& 7308621077 \alpha^2 \alpha^2 \alpha^3 \omega^{2/5} - 4093748972 i \alpha^2 \alpha^2 \alpha^3 \omega - 9104299036 \alpha^2 \alpha^2 \alpha^3 - 22353 \alpha^2 \alpha^2 \beta^1^4 \omega^4 - \\
& 361504 \alpha^2 \alpha^2 \beta^1^3 \beta^2 \omega^4 - 189108 \alpha^2 \alpha^2 \beta^1^3 \beta^3 \omega^4 - 136115 i \alpha^2 \alpha^2 \beta^1^3 \omega^5 - \\
& 569426 \alpha^2 \alpha^2 \beta^1^3 \omega^4 + 3872198 i \alpha^2 \alpha^2 \beta^1^3 \omega^3 - 1189445 \alpha^2 \alpha^2 \beta^1^2 \beta^2 \omega^4 - \\
& 1801510 \alpha^2 \alpha^2 \beta^1^2 \beta^2 \beta^3 \omega^4 - 5304788 i \alpha^2 \alpha^2 \beta^1^2 \beta^2 \omega^{5/5} - 4638271 \alpha^2 \alpha^2 \beta^1^2 \beta^2 \omega^4 + \\
& 33076116 i \alpha^2 \alpha^2 \beta^1^2 \beta^2 \omega^3 - 475875 \alpha^2 \alpha^2 \beta^1^2 \beta^3 \omega^4 - 687728 i \alpha^2 \alpha^2 \beta^1^2 \beta^3 \omega^5 - \\
& 2916496 \alpha^2 \alpha^2 \beta^1^2 \beta^3 \omega^4 + 20281378 i \alpha^2 \alpha^2 \beta^1^2 \beta^3 \omega^3 + 4364581 \alpha^2 \alpha^2 \beta^1^2 \omega^{6/20} - \\
& 1878174 i \alpha^2 \alpha^2 \beta^1^2 \omega^5 - 173302599 \alpha^2 \alpha^2 \beta^1^2 \omega^{4/10} + 57281062 i \alpha^2 \alpha^2 \beta^1^2 \omega^3 + \\
& 200114292 \alpha^2 \alpha^2 \beta^1^2 \omega^2 - 1058846 \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^4 - 3204064 \alpha^2 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 - \\
& 8673146 i \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^{5/5} - 8472612 \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^4 + 57982336 i \alpha^2 \alpha^2 \beta^1 \beta^2 \omega^3 - \\
& 2346180 \alpha^2 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 - 14638397 i \alpha^2 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^{5/5} - 13414020 \alpha^2 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 +
\end{aligned}$$

$$\begin{aligned}
& 93525376*i^{\wedge}2*\alpha^2*\beta^1*\beta^2*\beta^3*\omega^3 + 1679303*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^6/2 - 39316144*i^{\wedge}2*\alpha^2*\beta^1*\beta^2*\omega^5/5 - \\
& 362320196*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^4/5 + 252429542*i^{\wedge}2*\alpha^2*\beta^1*\beta^2*\omega^3 + 877870828*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^2 - \\
& 359430*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^4 - 886674*i^{\wedge}2*\alpha^2*\beta^1*\beta^3*\omega^5 - 3925028*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^4 + \\
& 26960974*i^{\wedge}2*\alpha^2*\beta^1*\beta^3*\omega^3 + 30309533*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^6/50 - 5444742*i^{\wedge}2*\alpha^2*\beta^1*\beta^3*\omega^5 - \\
& 249543623*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^4/5 + 168536448*i^{\wedge}2*\alpha^2*\beta^1*\beta^3*\omega^3 + 583505212*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^2 + \\
& 30888581*i^{\wedge}2*\alpha^2*\beta^1*\omega^7/250 + 16891877*\alpha^1*\alpha^2*\beta^1*\omega^6/10 - 483425713*i^{\wedge}2*\alpha^2*\beta^1*\omega^5/25 - \\
& 588316911*\alpha^1*\alpha^2*\beta^1*\omega^4/5 + 3043788581*i^{\wedge}2*\alpha^2*\beta^1*\omega^3/5 + 1669735750*\alpha^1*\alpha^2*\beta^1*\omega^2 - \\
& 3864405386*i^{\wedge}2*\alpha^2*\beta^1*\omega - 154283*\alpha^1*\alpha^2*\beta^2*\omega^4 - 1223520*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4 - \\
& 5647047*i^{\wedge}2*\alpha^2*\beta^2*\omega^5/10 - 3390736*\alpha^1*\alpha^2*\beta^2*\omega^4 + 20862322*i^{\wedge}2*\alpha^2*\beta^2*\omega^3 - \\
& 1732074*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4 - 10177577*i^{\wedge}2*\alpha^2*\beta^2*\beta^3*\omega^5/5 - 10315366*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4 + \\
& 68152988*i^{\wedge}2*\alpha^2*\beta^2*\beta^3*\omega^3 + 53188607*\alpha^1*\alpha^2*\beta^2*\omega^6/100 - 28471941*i^{\wedge}2*\alpha^2*\beta^2*\omega^5/5 - \\
& 512021257*\alpha^1*\alpha^2*\beta^2*\omega^4/10 + 192449899*i^{\wedge}2*\alpha^2*\beta^2*\omega^3 + 626806832*\alpha^1*\alpha^2*\beta^2*\omega^2 - \\
& 647354*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4 - 7673972*i^{\wedge}2*\alpha^2*\beta^2*\beta^3*\omega^5/5 - 7399242*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4 + \\
& 49078548*i^{\wedge}2*\alpha^2*\beta^2*\beta^3*\omega^3 + 49290101*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^6/50 - 48279318*i^{\wedge}2*\alpha^2*\beta^2*\beta^3*\omega^5/5 - \\
& 436907373*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4/5 + 312243848*i^{\wedge}2*\alpha^2*\beta^2*\beta^3*\omega^3 + 1045527680*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^2 + \\
& 93374219*i^{\wedge}2*\alpha^2*\beta^2*\omega^7/500 + 141314249*\alpha^1*\alpha^2*\beta^2*\omega^6/50 - 1621179463*i^{\wedge}2*\alpha^2*\beta^2*\omega^5/50 - \\
& 2075767657*\alpha^1*\alpha^2*\beta^2*\omega^4/10 + 5327682824*i^{\wedge}2*\alpha^2*\beta^2*\omega^3/5 + 3039882409*\alpha^1*\alpha^2*\beta^2*\omega^2 - \\
& 6775453603*i^{\wedge}2*\alpha^2*\beta^2*\omega - 16914*\alpha^1*\alpha^2*\beta^3*\omega^4 - 215179*i^{\wedge}2*\alpha^2*\beta^3*\omega^5 - \\
& 1074996*\alpha^1*\alpha^2*\beta^3*\omega^4 + 6597546*i^{\wedge}2*\alpha^2*\beta^3*\omega^3 + 30327161*\alpha^1*\alpha^2*\beta^3*\omega^6/100 - \\
& 29063147*i^{\wedge}2*\alpha^2*\beta^3*\omega^5/10 - 259030251*\alpha^1*\alpha^2*\beta^3*\omega^4/10 + 90677816*i^{\wedge}2*\alpha^2*\beta^3*\omega^3 + \\
& 297516926*\alpha^1*\alpha^2*\beta^3*\omega^2 + 35797701*i^{\wedge}2*\alpha^2*\beta^3*\omega^7/250 + 103025021*\alpha^1*\alpha^2*\beta^3*\omega^6/50 - \\
& 1171867979*i^{\wedge}2*\alpha^2*\beta^3*\omega^5/50 - 729691399*\alpha^1*\alpha^2*\beta^3*\omega^4/5 + 3722822748*i^{\wedge}2*\alpha^2*\beta^3*\omega^3/5 + \\
& 2071900628*\alpha^1*\alpha^2*\beta^3*\omega^2 - 4627569982*i^{\wedge}2*\alpha^2*\beta^3*\omega - 54799607*\alpha^1*\alpha^2*\omega^8/2500 + \\
& 426900957*i^{\wedge}2*\alpha^2*\omega^7/1000 + 2944906069*\alpha^1*\alpha^2*\omega^6/500 - 2535631787*i^{\wedge}2*\alpha^2*\omega^5/50 - \\
& 17199170377*\alpha^1*\alpha^2*\omega^4/50 + 8136590028*i^{\wedge}2*\alpha^2*\omega^3/5 + 60893858417*\alpha^1*\alpha^2*\omega^2/10 - \\
& 14161560057*i^{\wedge}2*\alpha^2*\omega - 23882993005*\alpha^1*\alpha^2 - 385827*\alpha^1*\alpha^3*\omega^5 - 1142811*i^{\wedge}2*\alpha^3*\omega^4*\beta^1*\omega - \\
& 1468822*i^{\wedge}2*\alpha^3*\omega^4*\beta^2*\omega - 1072093*i^{\wedge}2*\alpha^3*\omega^4*\beta^3*\omega + 3631522*\alpha^1*\alpha^3*\omega^2/5 - 3681614*i^{\wedge}2*\alpha^3*\omega^4 - \\
& 22962431*\alpha^1*\alpha^3*\omega^4 + 918003*\alpha^1*\alpha^3*\beta^1*\omega^2 + 3708978*\alpha^1*\alpha^3*\beta^1*\beta^2*\omega^2 + \\
& 2377148*\alpha^1*\alpha^3*\beta^1*\beta^3*\omega^2 + 1575653*i^{\wedge}2*\alpha^3*\beta^1*\omega^3 + 7129794*\alpha^1*\alpha^3*\beta^1*\omega^2 - \\
& 48907680*i^{\wedge}2*\alpha^3*\beta^1*\omega + 2048690*\alpha^1*\alpha^3*\beta^2*\omega^2 + 3441068*\alpha^1*\alpha^3*\beta^2*\beta^3*\omega^2 + \\
& 11047507*i^{\wedge}2*\alpha^3*\beta^2*\omega^3/5 + 11596871*\alpha^1*\alpha^3*\beta^2*\omega^2 - 71004202*i^{\wedge}2*\alpha^3*\beta^2*\omega + \\
& 939856*\alpha^1*\alpha^3*\beta^3*\omega^2 + 7546688*i^{\wedge}2*\alpha^3*\beta^3*\omega^3/5 + 7522406*\alpha^1*\alpha^3*\beta^3*\omega^2 - \\
& 47818556*i^{\wedge}2*\alpha^3*\beta^3*\omega - 12913216*\alpha^1*\alpha^3*\omega^4/25 + 51676143*i^{\wedge}2*\alpha^3*\omega^3/10 + \\
& 90404765*\alpha^1*\alpha^3*\omega^2/2 - 162612312*i^{\wedge}2*\alpha^3*\omega - 520868646*\alpha^1*\alpha^3 + 280723*i^{\wedge}2*\alpha^3*\beta^1*\omega^3 + \\
& 2438094*i^{\wedge}2*\alpha^3*\beta^1*\omega^2*\beta^2*\omega^3 + 1370047*i^{\wedge}2*\alpha^3*\beta^1*\omega^2*\beta^3*\omega^3 - 9462277*\alpha^1*\alpha^3*\beta^1*\omega^4/10 + \\
& 4020623*i^{\wedge}2*\alpha^3*\beta^1*\omega^3 + 28474045*\alpha^1*\alpha^3*\beta^1*\omega^2 + 4083246*i^{\wedge}2*\alpha^3*\beta^1*\beta^2*\omega^3 + \\
& 6073402*i^{\wedge}2*\alpha^3*\beta^1*\beta^2*\beta^3*\omega^3 - 18852487*\alpha^1*\alpha^3*\beta^1*\beta^2*\omega^4/5 + 17629333*i^{\wedge}2*\alpha^3*\beta^1*\beta^2*\omega^3 + \\
& 119581706*\alpha^1*\alpha^3*\beta^1*\beta^2*\omega^2 + 1555778*i^{\wedge}2*\alpha^3*\beta^1*\beta^3*\omega^3 - 11878068*\alpha^1*\alpha^3*\beta^1*\beta^3*\omega^4/5 + \\
& 10676124*i^{\wedge}2*\alpha^3*\beta^1*\beta^3*\omega^3 + 73530342*\alpha^1*\alpha^3*\beta^1*\beta^3*\omega^2 - 3962099*i^{\wedge}2*\alpha^3*\beta^1*\omega^5/5 - \\
& 72173893*\alpha^1*\alpha^3*\beta^1*\omega^4/10 + 131298831*i^{\wedge}2*\alpha^3*\beta^1*\omega^3/2 + 224048940*\alpha^1*\alpha^3*\beta^1*\omega^2 - \\
& 770991610*i^{\wedge}2*\alpha^3*\beta^1*\omega + 1273360*i^{\wedge}2*\alpha^3*\beta^2*\omega^3 + 3801238*i^{\wedge}2*\alpha^3*\beta^2*\beta^3*\omega^3 - \\
& 22889291*\alpha^1*\alpha^3*\beta^2*\omega^4/10 + 12535364*i^{\wedge}2*\alpha^3*\beta^2*\omega^3 + 75369146*\alpha^1*\alpha^3*\beta^2*\omega^2 + \\
& 2426662*i^{\wedge}2*\alpha^3*\beta^2*\beta^3*\omega^3 - 18122856*\alpha^1*\alpha^3*\beta^2*\beta^3*\omega^4/5 + 18520809*i^{\wedge}2*\alpha^3*\beta^2*\beta^3*\omega^3 + \\
& 116415966*\alpha^1*\alpha^3*\beta^2*\beta^3*\omega^2 - 29057667*i^{\wedge}2*\alpha^3*\beta^2*\omega^5/25 - 59991452*\alpha^1*\alpha^3*\beta^2*\omega^4/5 + \\
& 523717061*i^{\wedge}2*\alpha^3*\beta^2*\omega^3/5 + 383969745*\alpha^1*\alpha^3*\beta^2*\omega^2 - 1216153925*i^{\wedge}2*\alpha^3*\beta^2*\omega + \\
& 283228*i^{\wedge}2*\alpha^3*\beta^3*\omega^3 - 9481961*\alpha^1*\alpha^3*\beta^3*\omega^4/10 + 4746662*i^{\wedge}2*\alpha^3*\beta^3*\omega^3 + \\
& 29928056*\alpha^1*\alpha^3*\beta^3*\omega^2 - 769967*i^{\wedge}2*\alpha^3*\beta^3*\omega^5 - 15249957*\alpha^1*\alpha^3*\beta^3*\omega^4/2 + \\
& 671188627*i^{\wedge}2*\alpha^3*\beta^3*\omega^3/10 + 239798612*\alpha^1*\alpha^3*\beta^3*\omega^2 - 774017466*i^{\wedge}2*\alpha^3*\beta^3*\omega + \\
& 175678927*\alpha^1*\alpha^3*\omega^6/1000 - 52369293*i^{\wedge}2*\alpha^3*\omega^5/20 - 734583082*\alpha^1*\alpha^3*\omega^4/25 + \\
& 926907642*i^{\wedge}2*\alpha^3*\omega^3/5 + 9321058071*\alpha^1*\alpha^3*\omega^2/10 - 2623561484*i^{\wedge}2*\alpha^3*\omega -
\end{aligned}$$

$5702733480 \alpha^2 \alpha^3 \omega^2 - 33293 \alpha^2 \alpha^3 \beta^1 \omega^4 - 561470 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 - 260478 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4$
 $- 1004199 i \alpha^2 \alpha^3 \beta^1 \omega^5/5 - 827638 \alpha^2 \alpha^3 \beta^1 \omega^4 + 5791640 i \alpha^2 \alpha^3 \beta^1 \omega^3 -$
 $1902917 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 - 2599672 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 - 8077498 i \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^5/5 -$
 $7026337 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 + 50130672 i \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 - 579485 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 -$
 $932660 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^5 - 3936154 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 + 27680328 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 +$
 $31624239 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^6/100 - 13544151 i \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^5/5 - 250569519 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4/10 +$
 $82456942 i \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 291286862 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 - 1780246 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 -$
 $4586096 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 - 13466993 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^5/5 - 13115212 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 +$
 $87811110 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 - 2890322 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^2 - 19852939 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^5/5 -$
 $18442188 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 + 126049152 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 + 30744071 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^2/25 -$
 $57812249 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^5/5 - 525694583 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4/5 + 366646738 i \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 +$
 $1256236148 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^2 - 334624 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 - 5067219 i \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^5/5 -$
 $4554792 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 + 30992796 i \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + 38881087 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2/50 -$
 $35364394 i \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^5/5 - 321535158 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4/5 + 218398086 i \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 +$
 $749271286 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 + 42987449 i \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^7/250 + 118317113 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^6/50 -$
 $53789025 i \alpha^2 \alpha^3 \beta^1 \omega^5/2 - 819203056 \alpha^2 \alpha^3 \beta^1 \omega^4/5 + 421125341 i \alpha^2 \alpha^3 \beta^1 \omega^3/5 +$
 $2311389820 \alpha^2 \alpha^3 \beta^1 \omega^2 - 5315196302 i \alpha^2 \alpha^3 \beta^1 \omega - 327065 \alpha^2 \alpha^3 \beta^2 \omega^4 -$
 $1688596 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 - 9277401 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5/10 - 5402640 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 +$
 $31842180 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - 1910304 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - 13160044 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5/5 -$
 $13750162 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 + 86120910 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 78387189 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2/100 -$
 $42069669 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5/5 - 147098081 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4/2 + 275821543 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 +$
 $864558776 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - 539268 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 - 8164344 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5/5 -$
 $8348466 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 + 52143798 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 6067642 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2/5 -$
 $61429231 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5/5 - 541800068 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4/5 + 393210250 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 +$
 $1262699704 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 + 32159561 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^7/125 + 98729974 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^6/25 -$
 $1114879633 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5/25 - 2858744737 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4/10 + 1441840432 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 +$
 $4112131507 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - 8888753883 i \alpha^2 \alpha^3 \beta^2 \beta^3 \omega - 15272 \alpha^2 \alpha^3 \beta^3 \omega^4 -$
 $920526 i \alpha^2 \alpha^3 \beta^3 \omega^5/5 - 951134 \alpha^2 \alpha^3 \beta^3 \omega^4 + 5769968 i \alpha^2 \alpha^3 \beta^3 \omega^3 +$
 $31363239 \alpha^2 \alpha^3 \beta^3 \omega^2/100 - 31227543 i \alpha^2 \alpha^3 \beta^3 \omega^5/10 - 273035513 \alpha^2 \alpha^3 \beta^3 \omega^4/10 +$
 $97519098 i \alpha^2 \alpha^3 \beta^3 \omega^3 + 310369826 \alpha^2 \alpha^3 \beta^3 \omega^2 + 42314967 i \alpha^2 \alpha^3 \beta^3 \omega^7/250 +$
 $25061983 \alpha^2 \alpha^3 \beta^3 \omega^6/10 - 282046713 i \alpha^2 \alpha^3 \beta^3 \omega^5/10 - 886798932 \alpha^2 \alpha^3 \beta^3 \omega^4/5 +$
 $892229496 i \alpha^2 \alpha^3 \beta^3 \omega^3 + 2498004880 \alpha^2 \alpha^3 \beta^3 \omega^2 - 5429490496 i \alpha^2 \alpha^3 \beta^3 \omega -$
 $7180969 \alpha^2 \alpha^3 \omega^8/250 + 569173391 i \alpha^2 \alpha^3 \omega^7/1000 + 974198486 \alpha^2 \alpha^3 \omega^6/125 -$
 $1682080644 i \alpha^2 \alpha^3 \omega^5/25 - 22631075293 \alpha^2 \alpha^3 \omega^4/50 + 10700024308 i \alpha^2 \alpha^3 \omega^3/5 +$
 $79194130847 \alpha^2 \alpha^3 \omega^2/10 - 18397126651 i \alpha^2 \alpha^3 \omega - 30366124529 \alpha^2 \alpha^3 - 1053 i \alpha^2 \beta^1 \omega^5 -$
 $40912 i \alpha^2 \beta^1 \omega^5 - 13247 i \alpha^2 \beta^1 \beta^3 \omega^5 + 131789 \alpha^2 \beta^1 \omega^6/10 - 53654 i \alpha^2 \beta^1 \omega^5 -$
 $354131 \alpha^2 \beta^1 \omega^4 - 235225 i \alpha^2 \beta^1 \beta^2 \omega^5 - 293662 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 +$
 $941026 \alpha^2 \beta^1 \beta^2 \omega^6/5 - 783893 i \alpha^2 \beta^1 \beta^2 \omega^5 - 5687698 \alpha^2 \beta^1 \beta^2 \omega^4 -$
 $49305 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 + 478221 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/5 - 389992 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 -$
 $2664520 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 + 691561 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^7/20 + 1426659 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/5 -$
 $26329981 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5/10 - 8461920 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 + 29602432 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^3 -$
 $435240 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 - 1042187 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 + 6026339 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/10 -$
 $2721345 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 - 19348591 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 - 627898 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 +$
 $4219592 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/5 - 3660471 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 - 26122758 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 +$
 $5155941 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^7/20 + 4546179 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/2 - 105851872 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5/5 -$
 $71093125 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 + 253965483 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^3 - 60313 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 +$
 $1001309 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/5 - 836692 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5 - 5741409 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 +$
 $3097013 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^7/20 + 6616657 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/5 - 121736017 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5/10 -$
 $39781798 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^4 + 138840904 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^3 - 1705031 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^2/50 +$
 $2215849 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^7/5 + 506708869 \alpha^2 \beta^1 \beta^2 \beta^3 \omega^6/100 - 150049828 i \alpha^2 \beta^1 \beta^2 \beta^3 \omega^5/5 -$

$$\begin{aligned}
& 155667621\alpha^2\beta^1\omega^4 + 417925197i\alpha^2\beta^1\omega^3 + 982405453\alpha^2\beta^1\omega^2 - \\
& 246441i\alpha^2\beta^1\beta^2\omega^5 - 1017530i\alpha^2\beta^1\beta^2\beta^3\omega^5 + 1121581\alpha^2\beta^1\beta^2\beta^3\omega^6/2 - \\
& 2882664i\alpha^2\beta^1\beta^2\beta^3\omega^5 - 19098016\alpha^2\beta^1\beta^2\beta^3\omega^4 - 1141748i\alpha^2\beta^1\beta^2\beta^3\omega^5 + \\
& 7272186\alpha^2\beta^1\beta^2\beta^3\omega^6/5 - 6998472i\alpha^2\beta^1\beta^2\beta^3\omega^5 - 47531164\alpha^2\beta^1\beta^2\beta^3\omega^4 + \\
& 42176251i\alpha^2\beta^1\beta^2\omega^7/100 + 20652173\alpha^2\beta^1\beta^2\omega^6/5 - 376697781i\alpha^2\beta^1\beta^2\omega^5/10 - \\
& 134814865\alpha^2\beta^1\beta^2\omega^4 + 459029304i\alpha^2\beta^1\beta^2\omega^3 - 377870i\alpha^2\beta^1\beta^2\beta^3\omega^5 + \\
& 4607503\alpha^2\beta^1\beta^2\beta^3\omega^6/5 - 4301230i\alpha^2\beta^1\beta^2\beta^3\omega^5 - 29163074\alpha^2\beta^1\beta^2\beta^3\omega^4 + \\
& 31479191i\alpha^2\beta^1\beta^2\beta^3\omega^7/50 + 29506712\alpha^2\beta^1\beta^2\beta^3\omega^6/5 - 269172273i\alpha^2\beta^1\beta^2\beta^3\omega^5/5 - \\
& 187118932\alpha^2\beta^1\beta^2\beta^3\omega^4 + 642794780i\alpha^2\beta^1\beta^2\beta^3\omega^3 - 64199787\alpha^2\beta^1\beta^2\omega^8/500 + \\
& 45624678i\alpha^2\beta^1\beta^2\omega^7/25 + 522445511\alpha^2\beta^1\beta^2\omega^6/25 - 1297850457i\alpha^2\beta^1\beta^2\omega^5/10 - \\
& 3353953093\alpha^2\beta^1\beta^2\omega^4/5 + 1872314417i\alpha^2\beta^1\beta^2\omega^3 + 4311007809\alpha^2\beta^1\beta^2\omega^2 - \\
& 9926i\alpha^2\beta^1\beta^3\omega^5 + 546761\alpha^2\beta^1\beta^3\omega^6/5 - 492870i\alpha^2\beta^1\beta^3\omega^5 - \\
& 3212942\alpha^2\beta^1\beta^3\omega^4 + 16440651i\alpha^2\beta^1\beta^3\omega^7/100 + 15035821\alpha^2\beta^1\beta^3\omega^6/10 - \\
& 27024957i\alpha^2\beta^1\beta^3\omega^5/2 - 45666028\alpha^2\beta^1\beta^3\omega^4 + 153595458i\alpha^2\beta^1\beta^3\omega^3 - \\
& 10366756\alpha^2\beta^1\beta^3\omega^8/125 + 57145583i\alpha^2\beta^1\beta^3\omega^7/50 + 129802863\alpha^2\beta^1\beta^3\omega^6/10 - \\
& 394719743i\alpha^2\beta^1\beta^3\omega^5/5 - 2021797208\alpha^2\beta^1\beta^3\omega^4/5 + 1103227620i\alpha^2\beta^1\beta^3\omega^3 + \\
& 2516150632\alpha^2\beta^1\beta^3\omega^2 - 16923733i\alpha^2\beta^1\omega^9/1250 - 250534619\alpha^2\beta^1\omega^8/1000 + \\
& 342845243i\alpha^2\beta^1\omega^7/100 + 720955311\alpha^2\beta^1\omega^6/25 - 4872520744i\alpha^2\beta^1\omega^5/25 - \\
& 4540626692\alpha^2\beta^1\omega^4/5 + 6820937759i\alpha^2\beta^1\omega^3/2 + 7833794479\alpha^2\beta^1\omega^2 - 13535617349i\alpha^2\beta^1\omega - \\
& 20532i\alpha^2\beta^2\omega^5 - 242643i\alpha^2\beta^2\beta^3\omega^5 + 113226\alpha^2\beta^2\beta^3\omega^6 - 740566i\alpha^2\beta^2\beta^3\omega^5 - \\
& 4251533\alpha^2\beta^2\beta^3\omega^4 - 456842i\alpha^2\beta^2\beta^3\omega^5 + 1132103\alpha^2\beta^2\beta^3\omega^6/2 - \\
& 3043124i\alpha^2\beta^2\beta^3\omega^5 - 19110050\alpha^2\beta^2\beta^3\omega^4 + 15182449i\alpha^2\beta^2\beta^3\omega^7/100 + \\
& 8650647\alpha^2\beta^2\beta^3\omega^6/5 - 152308277i\alpha^2\beta^2\beta^3\omega^5/10 - 59075534\alpha^2\beta^2\beta^3\omega^4 + \\
& 183505574i\alpha^2\beta^2\beta^3\omega^3 - 237884i\alpha^2\beta^2\beta^3\omega^5 + 6349041\alpha^2\beta^2\beta^3\omega^6/10 - \\
& 3238161i\alpha^2\beta^2\beta^3\omega^5 - 20489198\alpha^2\beta^2\beta^3\omega^4 + 42892309i\alpha^2\beta^2\beta^3\omega^7/100 + \\
& 22147013\alpha^2\beta^2\beta^3\omega^6/5 - 393713919i\alpha^2\beta^2\beta^3\omega^5/10 - 144979699\alpha^2\beta^2\beta^3\omega^4 + \\
& 466296944i\alpha^2\beta^2\beta^3\omega^3 - 4174217\alpha^2\beta^2\omega^8/50 + 33289787i\alpha^2\beta^2\omega^7/25 + \\
& 1521404761\alpha^2\beta^2\omega^6/100 - 99603937i\alpha^2\beta^2\omega^5 - 1011376849\alpha^2\beta^2\omega^4/2 + \\
& 1465518127i\alpha^2\beta^2\omega^3 + 3154159286\alpha^2\beta^2\omega^2 - 10554i\alpha^2\beta^2\beta^3\omega^5 + \\
& 884667\alpha^2\beta^2\beta^3\omega^6/5 - 959170i\alpha^2\beta^2\beta^3\omega^5 - 5598562\alpha^2\beta^2\beta^3\omega^4 + \\
& 5315077i\alpha^2\beta^2\beta^3\omega^7/20 + 26888037\alpha^2\beta^2\beta^3\omega^6/10 - 118209471i\alpha^2\beta^2\beta^3\omega^5/5 - \\
& 85779118\alpha^2\beta^2\beta^3\omega^4 + 272103662i\alpha^2\beta^2\beta^3\omega^3 - 12991601\alpha^2\beta^2\beta^3\omega^8/100 + \\
& 49026756i\alpha^2\beta^2\beta^3\omega^7/25 + 1112824197\alpha^2\beta^2\beta^3\omega^6/50 - 1418471977i\alpha^2\beta^2\beta^3\omega^5/10 - \\
& 3591114491\alpha^2\beta^2\beta^3\omega^4/5 + 2037385059i\alpha^2\beta^2\beta^3\omega^3 + 4430653269\alpha^2\beta^2\beta^3\omega^2 - \\
& 25396273i\alpha^2\beta^2\omega^9/1250 - 414328417\alpha^2\beta^2\omega^8/1000 + 2870406077i\alpha^2\beta^2\omega^7/500 + \\
& 251791957\alpha^2\beta^2\omega^6/5 - 8545679092i\alpha^2\beta^2\omega^5/25 - 8179807752\alpha^2\beta^2\omega^4/5 + \\
& 60909928621i\alpha^2\beta^2\omega^3/10 + 14310721548\alpha^2\beta^2\omega^2 - 23603797946i\alpha^2\beta^2\omega - 1068i\alpha^2\beta^3\omega^5 + \\
& 44173\alpha^2\beta^3\omega^6/10 - 26752i\alpha^2\beta^3\omega^5 - 166966\alpha^2\beta^3\omega^4 + 3006927i\alpha^2\beta^3\omega^7/100 + \\
& 622139\alpha^2\beta^3\omega^6/2 - 26413993i\alpha^2\beta^3\omega^5/10 - 9517332\alpha^2\beta^3\omega^4 + 29089504i\alpha^2\beta^3\omega^3 - \\
& 1694683\alpha^2\beta^3\omega^8/50 + 25265273i\alpha^2\beta^3\omega^7/50 + 566447941\alpha^2\beta^3\omega^6/100 - \\
& 356125941i\alpha^2\beta^3\omega^5/10 - 1774661169\alpha^2\beta^3\omega^4/10 + 494317518i\alpha^2\beta^3\omega^3 + \\
& 1054481309\alpha^2\beta^3\omega^2 - 16914519i\alpha^2\beta^3\omega^9/1250 - 266724961\alpha^2\beta^3\omega^8/1000 + \\
& 1829822611i\alpha^2\beta^3\omega^7/500 + 63085649\alpha^2\beta^3\omega^6/2 - 5304208442i\alpha^2\beta^3\omega^5/25 - \\
& 5001319141\alpha^2\beta^3\omega^4/5 + 36911174637i\alpha^2\beta^3\omega^3/10 + 8522737693\alpha^2\beta^3\omega^2 - \\
& 13991928359i\alpha^2\beta^3\omega + 22597663\alpha^2\omega^10/12500 - 223826797i\alpha^2\omega^9/5000 - 3622260257\alpha^2\omega^8/5000 \\
& + 311862233i\alpha^2\omega^7/40 + 65079829173\alpha^2\omega^6/1000 - 10288441337i\alpha^2\omega^5/25 - \\
& 104225968911\alpha^2\omega^4/50 + 39979969374i\alpha^2\omega^3/5 + 239186666527\alpha^2\omega^2/10 - 47434684704i\alpha^2\omega - \\
& 63213187051\alpha^2 + 14572\alpha^2\omega^6 + 82444\alpha^2\omega^5\omega^3 + 21812i\alpha^2\omega^5\beta^1\omega + 85980i\alpha^2\omega^5\beta^2\omega + \\
& 36564i\alpha^2\omega^5\beta^3\omega - 28156\alpha^2\omega^5\omega^2 + 69905i\alpha^2\omega^5\omega + 740364\alpha^2\omega^5 - 34636\alpha^2\omega^4\omega^3 - \\
& 131852i\alpha^2\omega^4\omega^3\beta^1\omega + 165936i\alpha^2\omega^4\omega^3\beta^2\omega - 290052i\alpha^2\omega^4\omega^3\beta^3\omega + 370559\alpha^2\omega^4\omega^3\omega^2/5
\end{aligned}$$

$$\begin{aligned}
& - 813955 \cdot \alpha^1 \alpha^2 \alpha^4 \alpha^3 \omega - 2913884 \cdot \alpha^1 \alpha^2 \alpha^4 \alpha^3 + 38344 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^1 \omega^2 - 21452 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^1 \beta^2 \omega^2 + \\
& 138672 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^1 \beta^3 \omega^2 + 229659 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^1 \omega^3 / 5 + 354701 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^1 \omega^2 - 1864780 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^1 \omega - \\
& 173062 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^2 \omega^2 - 12568 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^2 \beta^3 \omega^2 - 363272 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^2 \omega^3 / 5 - 1534 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^2 \omega^2 + \\
& 1055382 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^2 \omega + 145332 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^3 \omega^2 + 458509 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^3 \omega^3 / 5 + 651605 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^3 \omega^2 - \\
& 3802750 \cdot \alpha^1 \alpha^2 \alpha^4 \beta^3 \omega - 404857 \cdot \alpha^1 \alpha^2 \alpha^4 \omega^4 / 50 + 430875 \cdot \alpha^1 \alpha^2 \alpha^4 \omega^3 / 2 + 9330652 \cdot \alpha^1 \alpha^2 \alpha^4 \omega^2 / 5 - \\
& 9457045 \cdot \alpha^1 \alpha^2 \alpha^4 \omega - 23475270 \cdot \alpha^1 \alpha^2 \alpha^4 - 606920 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 - 1215424 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^1 \omega - \\
& 823174 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \omega - 1921224 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^3 \omega + 847130 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \omega^2 - \\
& 5118312 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \omega - 27441954 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 + 545692 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^1 \omega^2 + \\
& 1299024 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \omega^2 + 1849348 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^1 \beta^3 \omega^2 + 4496662 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^1 \omega^3 / 5 + \\
& 4761136 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^1 \omega^2 - 29298646 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^1 \omega + 36470 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \omega^2 + \\
& 2000700 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \beta^3 \omega^2 + 716931 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \omega^3 + 5285406 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \omega^2 - \\
& 26941206 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^2 \omega + 1456100 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^3 \omega^2 + 1386659 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^3 \omega^3 + \\
& 7305564 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^3 \omega^2 - 46254288 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \beta^3 \omega - 7704491 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \omega^4 / 25 + \\
& 17676128 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \omega^3 / 5 + 152992449 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \omega^2 / 5 - 119446118 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 \omega - \\
& 354435446 \cdot \alpha^1 \alpha^2 \alpha^3 \alpha^3 + 67088 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 + 316254 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 \beta^2 \omega^3 + \\
& 366448 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 \beta^3 \omega^3 - 1863919 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 / 10 + 911493 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 + \\
& 6015068 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 + 141942 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 988644 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 - \\
& 1982471 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 / 5 + 2444702 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 15367932 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 + \\
& 606380 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 - 3036077 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 / 5 + 3011386 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + \\
& 20287298 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 - 3525642 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^5 / 25 - 7436706 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 / 5 + \\
& 67979844 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 / 5 + 50892956 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 - 165687960 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega - \\
& 166968 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 + 237598 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 \beta^3 \omega^3 + 119968 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 / 5 + \\
& 599906 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 + 2172488 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 + 806946 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - \\
& 624252 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 + 3795038 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 24098280 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - \\
& 2458746 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^5 / 25 - 7496738 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 / 5 + 68013496 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 / 5 + \\
& 59845250 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 - 176251162 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega + 310224 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 - \\
& 4740807 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 / 10 + 2294104 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 + 15854582 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^2 - \\
& 5482793 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^5 / 25 - 11500248 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 / 5 + 105634384 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 / 5 + \\
& 78733686 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^2 - 261458120 \cdot \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega + 30585097 \cdot \alpha^1 \alpha^2 \alpha^3 \omega^6 / 1000 - \\
& 52902901 \cdot \alpha^1 \alpha^2 \alpha^3 \omega^5 / 100 - 125448639 \cdot \alpha^1 \alpha^2 \alpha^3 \omega^4 / 20 + 428397877 \cdot \alpha^1 \alpha^2 \alpha^3 \omega^3 / 10 + \\
& 2211735419 \cdot \alpha^1 \alpha^2 \alpha^3 \omega^2 / 10 - 659732246 \cdot \alpha^1 \alpha^2 \alpha^3 \omega - 1396575118 \cdot \alpha^1 \alpha^2 \alpha^3 - 909358 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3^4 - \\
& 2531232 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega - 2183650 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega - 3186352 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega + \\
& 8101726 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \omega^2 / 5 - 9136316 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \omega - 51555724 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 + \\
& 1743590 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 + 5001486 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 + 5249016 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 + \\
& 2816880 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^3 + 13943364 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 - 89176998 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega + \\
& 1499652 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^2 + 6171982 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 + 2880202 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^3 + \\
& 17603518 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^2 - 96408498 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega + 3206774 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^2 + \\
& 17873358 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^3 / 5 + 18399750 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega^2 - 115355770 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^3 \omega - \\
& 46388617 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \omega^4 / 50 + 50069109 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \omega^3 / 5 + 429825951 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \omega^2 / 5 - \\
& 323404456 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \omega - 978362110 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 + 420160 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^3 + \\
& 2423250 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 \beta^2 \omega^3 + 2182808 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 \beta^3 \omega^3 - 2418181 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^4 / 2 + \\
& 5574121 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^3 + 37839994 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 + 2679408 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + \\
& 6990088 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 - 17435128 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 / 5 + 18248140 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + \\
& 116880190 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 + 3173520 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 - 17949281 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 / 5 + \\
& 17059890 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + 114932626 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 - 4768251 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^5 / 5 - \\
& 46707108 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^4 / 5 + 421076232 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^3 / 5 + 301854312 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega^2 - \\
& 999009958 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^1 \omega + 140376 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^3 + 3254392 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - \\
& 6362744 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^4 / 5 + 9242214 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^3 + 47991042 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^2 + \\
& 4361602 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - 22089529 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 / 5 + 24046310 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + \\
& 149724544 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - 51774921 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^5 / 50 - 60445528 \cdot \alpha^1 \alpha^2 \alpha^2 \alpha^3 \beta^2 \omega^4 / 5 +
\end{aligned}$$

$$\begin{aligned}
& 523452941*i*\alpha^1*\alpha^2*\alpha^3*\beta^2*\omega^3/5 + 411667226*\alpha^1*\alpha^2*\alpha^3*\beta^2*\omega^2 - 1231389714*i*\alpha^1*\alpha^2*\alpha^3*\beta^2*\omega + \\
& 1173700*i*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^3 - 22006439*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^2/10 + 10794304*i*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^2/5 + \\
& 71016876*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^2/5 - 61366217*i*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^5/50 - 62536271*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^4/5 + \\
& 556827754*i*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^3/5 + 406183298*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega^2 - 1316026714*i*\alpha^1*\alpha^2*\alpha^3*\beta^3*\omega + \\
& 210835197*\alpha^1*\alpha^2*\alpha^3*\omega^6/1000 - 335285429*i*\alpha^1*\alpha^2*\alpha^3*\omega^5/100 - 3813056919*\alpha^1*\alpha^2*\alpha^3*\omega^4/100 + \\
& 2491620529*i*\alpha^1*\alpha^2*\alpha^3*\omega^3/10 + 12562911551*\alpha^1*\alpha^2*\alpha^3*\omega^2/10 - 3635352630*i*\alpha^1*\alpha^2*\alpha^3*\omega - \\
& 7683032584*\alpha^1*\alpha^2*\alpha^3 - 32356*\alpha^1*\alpha^2*\beta^1^4*\omega^4 - 311774*\alpha^1*\alpha^2*\beta^1^3*\beta^2*\omega^4 - \\
& 250572*\alpha^1*\alpha^2*\beta^1^3*\beta^3*\omega^4 - 1438349*i*\alpha^1*\alpha^2*\beta^1^3*\omega^5/10 - 634551*\alpha^1*\alpha^2*\beta^1^3*\omega^4 + \\
& 4402430*i*\alpha^1*\alpha^2*\beta^1^3*\omega^3 - 684026*\alpha^1*\alpha^2*\beta^1^2*\beta^2*\omega^4 - 1515090*\alpha^1*\alpha^2*\beta^1^2*\beta^2*\beta^3*\omega^4 - \\
& 3869654*i*\alpha^1*\alpha^2*\beta^1^2*\beta^2*\omega^5/5 - 3731966*\alpha^1*\alpha^2*\beta^1^2*\beta^2*\omega^4 + 25850828*i*\alpha^1*\alpha^2*\beta^1^2*\beta^2*\omega^3 - \\
& 627494*\alpha^1*\alpha^2*\beta^1^2*\beta^3*\omega^4 - 7203067*i*\alpha^1*\alpha^2*\beta^1^2*\beta^3*\omega^5/10 - 3250901*\alpha^1*\alpha^2*\beta^1^2*\beta^3*\omega^4 + \\
& 22741556*i*\alpha^1*\alpha^2*\beta^1^2*\beta^3*\omega^3 + 19421313*\alpha^1*\alpha^2*\beta^1^2*\omega^6/100 - 17946909*i*\alpha^1*\alpha^2*\beta^1^2*\omega^5/10 - \\
& 166322299*\alpha^1*\alpha^2*\beta^1^2*\omega^4/10 + 57714333*i*\alpha^1*\alpha^2*\beta^1^2*\omega^3 + 199872032*\alpha^1*\alpha^2*\beta^1^2*\omega^2 - \\
& 267152*\alpha^1*\alpha^2*\beta^1*\beta^2^3*\omega^4 - 1875496*\alpha^1*\alpha^2*\beta^1*\beta^2^2*\beta^3*\omega^4 - 4042951*i*\alpha^1*\alpha^2*\beta^1*\beta^2^2*\omega^5/5 - \\
& 4807438*\alpha^1*\alpha^2*\beta^1*\beta^2^2*\omega^4 + 30951690*i*\alpha^1*\alpha^2*\beta^1*\beta^2^2*\omega^3 - 2142122*\alpha^1*\alpha^2*\beta^1*\beta^2*\beta^3^2*\omega^4 - \\
& 11106959*i*\alpha^1*\alpha^2*\beta^1*\beta^2*\beta^3*\omega^5/5 - 11098110*\alpha^1*\alpha^2*\beta^1*\beta^2*\beta^3*\omega^4 + 75653934*i*\alpha^1*\alpha^2*\beta^1*\beta^2*\beta^3*\omega^3 + \\
& 13380626*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^6/25 - 28118882*i*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^5/5 - 259128547*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^4/5 + \\
& 193536140*i*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^3 + 647030426*\alpha^1*\alpha^2*\beta^1*\beta^2*\omega^2 - 566660*\alpha^1*\alpha^2*\beta^1*\beta^3^3*\omega^4 - \\
& 10287141*i*\alpha^1*\alpha^2*\beta^1*\beta^3^2*\omega^5/10 - 4780060*\alpha^1*\alpha^2*\beta^1*\beta^3^2*\omega^4 + 33098268*i*\alpha^1*\alpha^2*\beta^1*\beta^3^2*\omega^3 + \\
& 14276403*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^6/25 - 5450271*i*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^5 - 50266032*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^4 + \\
& 177431796*i*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^3 + 609758670*\alpha^1*\alpha^2*\beta^1*\beta^3*\omega^2 + 98467921*i*\alpha^1*\alpha^2*\beta^1*\omega^7/1000 + \\
& 145457109*\alpha^1*\alpha^2*\beta^1*\omega^6/100 - 67630823*i*\alpha^1*\alpha^2*\beta^1*\omega^5/4 - 215014425*\alpha^1*\alpha^2*\beta^1*\omega^4/2 + \\
& 1117183743*i*\alpha^1*\alpha^2*\beta^1*\omega^3/2 + 1588339002*\alpha^1*\alpha^2*\beta^1*\omega^2 - 3597097328*i*\alpha^1*\alpha^2*\beta^1*\omega + \\
& 98106*\alpha^1*\alpha^2*\beta^2^4*\omega^4 - 331304*\alpha^1*\alpha^2*\beta^2^3*\beta^3*\omega^4 - 172656*i*\alpha^1*\alpha^2*\beta^2^3*\omega^5/5 - \\
& 912748*\alpha^1*\alpha^2*\beta^2^3*\omega^4 + 3906770*i*\alpha^1*\alpha^2*\beta^2^3*\omega^3 - 1238968*\alpha^1*\alpha^2*\beta^2^2*\beta^3^2*\omega^4 - \\
& 1050837*i*\alpha^1*\alpha^2*\beta^2^2*\beta^3*\omega^5 - 6411470*\alpha^1*\alpha^2*\beta^2^2*\beta^3*\omega^4 + 39759792*i*\alpha^1*\alpha^2*\beta^2^2*\beta^3*\omega^3 + \\
& 19058601*\alpha^1*\alpha^2*\beta^2^2*\omega^6/100 - 27409261*i*\alpha^1*\alpha^2*\beta^2^2*\omega^5/10 - 122659573*\alpha^1*\alpha^2*\beta^2^2*\omega^4/5 + \\
& 106153880*i*\alpha^1*\alpha^2*\beta^2^2*\omega^3 + 312586350*\alpha^1*\alpha^2*\beta^2^2*\omega^2 - 856918*\alpha^1*\alpha^2*\beta^2*\beta^3^3*\omega^4 - \\
& 1424610*i*\alpha^1*\alpha^2*\beta^2*\beta^3^2*\omega^5 - 7192302*\alpha^1*\alpha^2*\beta^2*\beta^3^2*\omega^4 + 47983960*i*\alpha^1*\alpha^2*\beta^2*\beta^3^2*\omega^3 + \\
& 17617511*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^6/25 - 7595901*i*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^5 - 68862816*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^4 + \\
& 260619292*i*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^3 + 849661794*\alpha^1*\alpha^2*\beta^2*\beta^3*\omega^2 + 52628889*i*\alpha^1*\alpha^2*\beta^2*\omega^7/500 + \\
& 9173831*\alpha^1*\alpha^2*\beta^2*\omega^6/5 - 216010409*i*\alpha^1*\alpha^2*\beta^2*\omega^5/10 - 739888346*\alpha^1*\alpha^2*\beta^2*\omega^4/5 + \\
& 3805481379*i*\alpha^1*\alpha^2*\beta^2*\omega^3/5 + 2277668980*\alpha^1*\alpha^2*\beta^2*\omega^2 - 4820083880*i*\alpha^1*\alpha^2*\beta^2*\omega - \\
& 125590*\alpha^1*\alpha^2*\beta^3^4*\omega^4 - 3840619*i*\alpha^1*\alpha^2*\beta^3^3*\omega^5/10 - 1837828*\alpha^1*\alpha^2*\beta^3^3*\omega^4 + \\
& 12220190*i*\alpha^1*\alpha^2*\beta^3^3*\omega^3 + 17799581*\alpha^1*\alpha^2*\beta^3^2*\omega^6/50 - 34920871*i*\alpha^1*\alpha^2*\beta^3^2*\omega^5/10 - \\
& 316740179*\alpha^1*\alpha^2*\beta^3^2*\omega^4/10 + 113346664*i*\alpha^1*\alpha^2*\beta^3^2*\omega^3 + 379092862*\alpha^1*\alpha^2*\beta^3^2*\omega^2 + \\
& 129720951*i*\alpha^1*\alpha^2*\beta^3*\omega^7/1000 + 197687539*\alpha^1*\alpha^2*\beta^3*\omega^6/100 - 2281414839*i*\alpha^1*\alpha^2*\beta^3*\omega^5/100 - \\
& 1469419747*\alpha^1*\alpha^2*\beta^3*\omega^4/10 + 7559400077*i*\alpha^1*\alpha^2*\beta^3*\omega^3/10 + 2164560744*\alpha^1*\alpha^2*\beta^3*\omega^2 - \\
& 4794747386*i*\alpha^1*\alpha^2*\beta^3*\omega - 80916381*\alpha^1*\alpha^2*\omega^8/5000 + 85742581*i*\alpha^1*\alpha^2*\omega^7/250 + \\
& 2431674751*\alpha^1*\alpha^2*\omega^6/500 - 436655007*i*\alpha^1*\alpha^2*\omega^5/10 - 15051850303*\alpha^1*\alpha^2*\omega^4/50 + \\
& 2930450553*i*\alpha^1*\alpha^2*\omega^3/2 + 55057296393*\alpha^1*\alpha^2*\omega^2/10 - 13112016534*i*\alpha^1*\alpha^2*\omega - 21501013622*\alpha^1*\alpha^2 - \\
& 478032*\alpha^1*\alpha^2*\alpha^3^5 - 1969956*i*\alpha^1*\alpha^2*\alpha^3^4*\beta^1*\omega - 1573418*i*\alpha^1*\alpha^2*\alpha^3^4*\beta^2*\omega - 1921448*i*\alpha^1*\alpha^2*\alpha^3^4*\beta^3*\omega + \\
& 5507271*\alpha^1*\alpha^2*\alpha^3^4*\omega^2/5 - 6312567*i*\alpha^1*\alpha^2*\alpha^3^4*\omega - 34976104*\alpha^1*\alpha^2*\alpha^3^4 + 1962516*\alpha^1*\alpha^2*\alpha^3^3*\beta^1^2*\omega^2 + \\
& 5605160*\alpha^1*\alpha^2*\alpha^3^3*\beta^1*\beta^2*\omega^2 + 5116648*\alpha^1*\alpha^2*\alpha^3^3*\beta^1*\beta^3*\omega^2 + 14719137*i*\alpha^1*\alpha^2*\alpha^3^3*\beta^1*\omega^3/5 + \\
& 14452222*\alpha^1*\alpha^2*\alpha^3^3*\beta^1*\omega^2 - 92702558*i*\alpha^1*\alpha^2*\alpha^3^3*\beta^1*\omega + 1762906*\alpha^1*\alpha^2*\alpha^3^3*\beta^2^2*\omega^2 + \\
& 5456456*\alpha^1*\alpha^2*\alpha^3^3*\beta^2*\beta^3*\omega^2 + 2919828*i*\alpha^1*\alpha^2*\alpha^3^3*\beta^2*\omega^3 + 17722920*\alpha^1*\alpha^2*\alpha^3^3*\beta^2*\omega^2 - \\
& 95395474*i*\alpha^1*\alpha^2*\alpha^3^3*\beta^2*\omega + 2332720*\alpha^1*\alpha^2*\alpha^3^3*\beta^3^2*\omega^2 + 15089621*i*\alpha^1*\alpha^2*\alpha^3^3*\beta^3*\omega^3/5 + \\
& 16070072*\alpha^1*\alpha^2*\alpha^3^3*\beta^3*\omega^2 - 96664732*i*\alpha^1*\alpha^2*\alpha^3^3*\beta^3*\omega - 43876913*\alpha^1*\alpha^2*\alpha^3^3*\omega^4/50 + \\
& 47919493*i*\alpha^1*\alpha^2*\alpha^3^3*\omega^3/5 + 80972827*\alpha^1*\alpha^2*\alpha^3^3*\omega^2 - 305163404*i*\alpha^1*\alpha^2*\alpha^3^3*\omega - 905419762*\alpha^1*\alpha^2*\alpha^3^3 \\
& + 729160*i*\alpha^1*\alpha^2*\alpha^3^2*\beta^1^3*\omega^3 + 4407822*i*\alpha^1*\alpha^2*\alpha^3^2*\beta^1^2*\beta^2*\omega^3 + 3513344*i*\alpha^1*\alpha^2*\alpha^3^2*\beta^1^2*\beta^3*\omega^3 -
\end{aligned}$$

$$\begin{aligned}
& 20456661 \alpha^1 \alpha^2 \alpha^3 \omega^4 / 10 + 9231655 i \alpha^1 \alpha^2 \alpha^3 \omega^3 + 63585120 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 + \\
& 5309234 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 + 11161980 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 - 30527869 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 / 5 + \\
& 31197366 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 198149482 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 + 4334424 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 - \\
& 26803684 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 / 5 + 25562410 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + 169898328 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 - \\
& 77033989 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^5 / 50 - 74816604 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 / 5 + 66736797 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 / 5 + \\
& 474706566 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 - 1565453024 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega + 707822 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 + \\
& 5136146 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 - 12457177 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 / 5 + 16588622 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 + \\
& 85535214 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 + 5301272 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 - 31534416 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 / 5 + \\
& 34788366 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 207200488 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 - 42666717 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^5 / 25 - \\
& 97880277 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 / 5 + 827101256 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 / 5 + 640946716 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 - \\
& 1872694216 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega + 1084200 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 - 25396003 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 / 10 + \\
& 13136738 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 + 81276924 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^2 - 40994743 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^5 / 25 - \\
& 85712108 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 / 5 + 743729634 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 / 5 + 547630490 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^2 - \\
& 1707719422 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega + 158640433 \alpha^1 \alpha^2 \alpha^3 \omega^6 / 500 - 506653189 i \alpha^1 \alpha^2 \alpha^3 \omega^5 / 100 - \\
& 2831463069 \alpha^1 \alpha^2 \alpha^3 \omega^4 / 50 + 368198197 i \alpha^1 \alpha^2 \alpha^3 \omega^3 / 10 + 18264435233 \alpha^1 \alpha^2 \alpha^3 \omega^2 / 10 - \\
& 5257180367 i \alpha^1 \alpha^2 \alpha^3 \omega - 10873310099 \alpha^1 \alpha^2 \alpha^3 - 112056 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 - \\
& 1155524 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 - 829604 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 - 2491739 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^5 / 5 - \\
& 2153730 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 + 15198908 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 - 2920104 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 - \\
& 5329736 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 - 14649024 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^5 / 5 - 13638832 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 + \\
& 94312594 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 - 1907260 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 - 11746896 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^5 / 5 - \\
& 10476094 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 + 73288186 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + 33767923 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^6 / 50 - \\
& 6111248 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^5 - 281523483 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 / 5 + 192603486 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 + \\
& 671127238 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 - 1840888 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 - 7169808 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 - \\
& 18346422 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^5 / 5 - 19936352 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 + 125247494 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 - \\
& 6490864 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 - 37654077 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^5 / 5 - 37152082 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^4 + \\
& 246243530 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \beta^3 \omega^3 + 20378617 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^6 / 10 - 10312864 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^5 / 5 - \\
& 925196309 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^4 / 5 + 675258814 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^3 + 2220112184 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^2 \omega^2 - \\
& 1402356 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 - 2892707 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^5 - 13620780 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 + \\
& 91814184 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + 17786793 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^6 / 10 - 84865714 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^5 / 5 - \\
& 153639783 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^4 + 540381352 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^3 + 1823732752 \alpha^1 \alpha^2 \alpha^3 \beta^1 \beta^3 \omega^2 + \\
& 42120694 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^7 / 125 + 122482229 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^6 / 25 - 2792131103 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^5 / 50 - \\
& 350635275 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^4 + 8981615697 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^3 / 5 + 5059515178 \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega^2 - \\
& 11351374234 i \alpha^1 \alpha^2 \alpha^3 \beta^1 \omega - 766 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 - 1759560 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 - \\
& 3497999 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^5 / 5 - 5673734 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 + 27062258 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 - \\
& 3577682 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 - 19146338 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5 / 5 - 22326820 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 + \\
& 131391038 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 23308542 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^6 / 25 - 11612157 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5 - \\
& 98595397 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 + 399078828 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 + 1142173602 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 - \\
& 1817684 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 - 3750234 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5 - 19648532 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 + \\
& 122456140 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 55241279 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^6 / 25 - 23845947 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^5 - \\
& 1040978976 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^4 / 5 + 782728338 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^3 + 2435885886 \alpha^1 \alpha^2 \alpha^3 \beta^2 \beta^3 \omega^2 + \\
& 49266589 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^7 / 125 + 329943119 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^6 / 50 - 1869438229 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^5 / 25 - \\
& 498423550 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^4 + 12449939812 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^3 / 5 + 7301706618 \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega^2 - \\
& 15000513000 i \alpha^1 \alpha^2 \alpha^3 \beta^2 \omega - 154260 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 - 759602 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^5 - \\
& 3942316 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 + 23995898 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 + 21835921 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^6 / 25 - \\
& 8942294 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^5 - 391591131 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 / 5 + 285195774 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 + \\
& 902482942 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^2 + 46381369 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^7 / 125 + 143796243 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^6 / 25 - \\
& 1623338378 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^5 / 25 - 417809306 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^4 + 10498110819 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^3 / 5 + \\
& 5992457440 \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega^2 - 12785795782 i \alpha^1 \alpha^2 \alpha^3 \beta^3 \omega - 26532091 \alpha^1 \alpha^2 \alpha^3 \omega^8 / 500 + \\
& 111546829 i \alpha^1 \alpha^2 \alpha^3 \omega^7 / 100 + 386203484 \alpha^1 \alpha^2 \alpha^3 \omega^6 / 25 - 273671985 i \alpha^1 \alpha^2 \alpha^3 \omega^5 / 2 - \\
& 9255531363 \alpha^1 \alpha^2 \alpha^3 \omega^4 / 10 + 22250719279 i \alpha^1 \alpha^2 \alpha^3 \omega^3 / 5 + 82109364133 \alpha^1 \alpha^2 \alpha^3 \omega^2 / 5 -
\end{aligned}$$

$$\begin{aligned}
& 38701698736*i*\alpha^1*\alpha^2*\alpha^3*\omega - 61945663954*\alpha^1*\alpha^2*\alpha^3 - 5904*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 95522*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - \\
& 61268*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 194017*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 164082*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 1152392*\alpha^1*\alpha^2*\beta^1*\omega^4 - \\
& 401730*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 670260*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 373763*\alpha^1*\alpha^2*\beta^1*\omega^6 - \\
& 1648746*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 11857316*\alpha^1*\alpha^2*\beta^1*\omega^4 - 218696*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + \\
& 1386444*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 1190956*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 8444290*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 2028329*i*\alpha^1*\alpha^2*\beta^1*\omega^7/25 + 3520091*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 32846092*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - \\
& 21942008*\alpha^1*\alpha^2*\beta^1*\omega^4 + 77918884*i*\alpha^1*\alpha^2*\beta^1*\omega^3 - 534216*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - \\
& 1757240*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 1809155*\alpha^1*\alpha^2*\beta^1*\omega^6/2 - 4446209*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - \\
& 30823532*\alpha^1*\alpha^2*\beta^1*\omega^4 - 1482394*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 1693417*\alpha^1*\alpha^2*\beta^1*\omega^6 - \\
& 7785108*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 54982992*\alpha^1*\alpha^2*\beta^1*\omega^4 + 22808593*i*\alpha^1*\alpha^2*\beta^1*\omega^7/50 + \\
& 21447596*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 39961863*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 140001438*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 491817010*i*\alpha^1*\alpha^2*\beta^1*\omega^3 - 310892*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 3103206*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - \\
& 2751980*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 19341446*\alpha^1*\alpha^2*\beta^1*\omega^4 + 9380826*i*\alpha^1*\alpha^2*\beta^1*\omega^7/25 + \\
& 16880024*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 156721733*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - 106676690*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 375348328*i*\alpha^1*\alpha^2*\beta^1*\omega^3 - 35254369*\alpha^1*\alpha^2*\beta^1*\omega^8/500 + 19322329*i*\alpha^1*\alpha^2*\beta^1*\omega^7/20 + \\
& 1116330661*\alpha^1*\alpha^2*\beta^1*\omega^6/100 - 341537889*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - 356846241*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 986867678*i*\alpha^1*\alpha^2*\beta^1*\omega^3 + 2313640137*\alpha^1*\alpha^2*\beta^1*\omega^2 - 143994*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - \\
& 1265572*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 2844393*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 3486894*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - \\
& 21754112*\alpha^1*\alpha^2*\beta^1*\omega^4 - 2117936*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 11384231*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - \\
& 11818794*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 78430986*\alpha^1*\alpha^2*\beta^1*\omega^4 + 28251213*i*\alpha^1*\alpha^2*\beta^1*\omega^7/50 + \\
& 30639857*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 279182733*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - 212205144*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 696585912*i*\alpha^1*\alpha^2*\beta^1*\omega^3 - 1105152*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + 10416634*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - \\
& 10081452*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 68322976*\alpha^1*\alpha^2*\beta^1*\omega^4 + 29692328*i*\alpha^1*\alpha^2*\beta^1*\omega^7/25 + \\
& 11738347*\alpha^1*\alpha^2*\beta^1*\omega^6 - 536728623*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - 386888532*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 1311116184*i*\alpha^1*\alpha^2*\beta^1*\omega^3 - 26149304*\alpha^1*\alpha^2*\beta^1*\omega^8/125 + 79644238*i*\alpha^1*\alpha^2*\beta^1*\omega^7/25 + \\
& 369536467*\alpha^1*\alpha^2*\beta^1*\omega^6/10 - 1191432282*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - 6171629376*\alpha^1*\alpha^2*\beta^1*\omega^4/5 + \\
& 3547963418*i*\alpha^1*\alpha^2*\beta^1*\omega^3 + 7980093866*\alpha^1*\alpha^2*\beta^1*\omega^2 - 138576*i*\alpha^1*\alpha^2*\beta^1*\omega^5 + \\
& 2278316*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 2143088*i*\alpha^1*\alpha^2*\beta^1*\omega^5 - 14381926*\alpha^1*\alpha^2*\beta^1*\omega^4 + \\
& 4636999*i*\alpha^1*\alpha^2*\beta^1*\omega^7/10 + 21949002*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 199802508*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - \\
& 139762010*\alpha^1*\alpha^2*\beta^1*\omega^4 + 475186200*i*\alpha^1*\alpha^2*\beta^1*\omega^3 - 93408381*\alpha^1*\alpha^2*\beta^1*\omega^8/500 + \\
& 67127781*i*\alpha^1*\alpha^2*\beta^1*\omega^7/25 + 154217241*\alpha^1*\alpha^2*\beta^1*\omega^6/5 - 964453884*i*\alpha^1*\alpha^2*\beta^1*\omega^5/5 - \\
& 4980532953*\alpha^1*\alpha^2*\beta^1*\omega^4/5 + 2792625190*i*\alpha^1*\alpha^2*\beta^1*\omega^3 + 6359457808*\alpha^1*\alpha^2*\beta^1*\omega^2 - \\
& 64987773*i*\alpha^1*\alpha^2*\beta^1*\omega^9/2500 - 126652367*\alpha^1*\alpha^2*\beta^1*\omega^8/250 + 1761972963*i*\alpha^1*\alpha^2*\beta^1*\omega^7/250 + \\
& 3048119469*\alpha^1*\alpha^2*\beta^1*\omega^6/50 - 20835540473*i*\alpha^1*\alpha^2*\beta^1*\omega^5/50 - 9916585756*\alpha^1*\alpha^2*\beta^1*\omega^4/5 + \\
& 37446624591*i*\alpha^1*\alpha^2*\beta^1*\omega^3/5 + 17560178062*\alpha^1*\alpha^2*\beta^1*\omega^2 - 30005618308*i*\alpha^1*\alpha^2*\beta^1*\omega + \\
& 38480*i*\alpha^1*\alpha^2*\beta^2*\omega^5 - 133774*i*\alpha^1*\alpha^2*\beta^2*\omega^5 + 60112*\alpha^1*\alpha^2*\beta^2*\omega^6/5 - 432277*i*\alpha^1*\alpha^2*\beta^2*\omega^5 - \\
& 1524072*\alpha^1*\alpha^2*\beta^2*\omega^4 - 685592*i*\alpha^1*\alpha^2*\beta^2*\omega^5 + 3053148*\alpha^1*\alpha^2*\beta^2*\omega^6/5 - \\
& 3973466*i*\alpha^1*\alpha^2*\beta^2*\omega^5 - 23063844*\alpha^1*\alpha^2*\beta^2*\omega^4 + 2908341*i*\alpha^1*\alpha^2*\beta^2*\omega^7/25 + \\
& 1773682*\alpha^1*\alpha^2*\beta^2*\omega^6 - 76990413*i*\alpha^1*\alpha^2*\beta^2*\omega^5/5 - 68187180*\alpha^1*\alpha^2*\beta^2*\omega^4 + \\
& 189360564*i*\alpha^1*\alpha^2*\beta^2*\omega^3 - 670362*i*\alpha^1*\alpha^2*\beta^2*\omega^5 + 12107909*\alpha^1*\alpha^2*\beta^2*\omega^6/10 - \\
& 6482356*i*\alpha^1*\alpha^2*\beta^2*\omega^5 - 40904938*\alpha^1*\alpha^2*\beta^2*\omega^4 + 6320919*i*\alpha^1*\alpha^2*\beta^2*\omega^7/10 + \\
& 35964171*\alpha^1*\alpha^2*\beta^2*\omega^6/5 - 318391644*i*\alpha^1*\alpha^2*\beta^2*\omega^5/5 - 247523656*\alpha^1*\alpha^2*\beta^2*\omega^4 + \\
& 770411220*i*\alpha^1*\alpha^2*\beta^2*\omega^3 - 98726141*\alpha^1*\alpha^2*\beta^2*\omega^8/1000 + 180458521*i*\alpha^1*\alpha^2*\beta^2*\omega^7/100 + \\
& 2107019693*\alpha^1*\alpha^2*\beta^2*\omega^6/100 - 1466591311*i*\alpha^1*\alpha^2*\beta^2*\omega^5/10 - 7441931061*\alpha^1*\alpha^2*\beta^2*\omega^4/10 + \\
& 2249344424*i*\alpha^1*\alpha^2*\beta^2*\omega^3 + 4587905444*\alpha^1*\alpha^2*\beta^2*\omega^2 - 168016*i*\alpha^1*\alpha^2*\beta^2*\omega^5 + \\
& 616942*\alpha^1*\alpha^2*\beta^2*\omega^6 - 3144754*i*\alpha^1*\alpha^2*\beta^2*\omega^5 - 19746348*\alpha^1*\alpha^2*\beta^2*\omega^4 + \\
& 620335*i*\alpha^1*\alpha^2*\beta^2*\omega^7 + 6420494*\alpha^1*\alpha^2*\beta^2*\omega^6 - 284968058*i*\alpha^1*\alpha^2*\beta^2*\omega^5/5 - \\
& 210100624*\alpha^1*\alpha^2*\beta^2*\omega^4 + 673090078*i*\alpha^1*\alpha^2*\beta^2*\omega^3 - 59457301*\alpha^1*\alpha^2*\beta^2*\omega^8/250 + \\
& 95072852*i*\alpha^1*\alpha^2*\beta^2*\omega^7/25 + 43601505*\alpha^1*\alpha^2*\beta^2*\omega^6 - 286376418*i*\alpha^1*\alpha^2*\beta^2*\omega^5 - \\
& 7277856117*\alpha^1*\alpha^2*\beta^2*\omega^4/5 + 4225806162*i*\alpha^1*\alpha^2*\beta^2*\omega^3 + 9055497996*\alpha^1*\alpha^2*\beta^2*\omega^2 -
\end{aligned}$$

$$\begin{aligned}
& 7710383i^*\alpha^1\alpha^2\beta^2\omega^9/250 - 341058309i^*\alpha^1\alpha^2\beta^2\omega^8/500 + 4841979629i^*\alpha^1\alpha^2\beta^2\omega^7/500 + \\
& 4409243311i^*\alpha^1\alpha^2\beta^2\omega^6/50 - 15169689194i^*\alpha^1\alpha^2\beta^2\omega^5/25 - 2975035730i^*\alpha^1\alpha^2\beta^2\omega^4 + \\
& 55483731116i^*\alpha^1\alpha^2\beta^2\omega^3/5 + 26564908546i^*\alpha^1\alpha^2\beta^2\omega^2 - 42507056340i^*\alpha^1\alpha^2\beta^2\omega + \\
& 5544i^*\alpha^1\alpha^2\beta^3\omega^5 + 56301i^*\alpha^1\alpha^2\beta^3\omega^4 - 317142i^*\alpha^1\alpha^2\beta^3\omega^3 - 1706858i^*\alpha^1\alpha^2\beta^3\omega^2 + \\
& 6402803i^*\alpha^1\alpha^2\beta^3\omega + 6552171i^*\alpha^1\alpha^2\beta^3\omega^6/5 - 56848113i^*\alpha^1\alpha^2\beta^3\omega^5/5 - \\
& 41364556i^*\alpha^1\alpha^2\beta^3\omega^4 + 128296324i^*\alpha^1\alpha^2\beta^3\omega^3 - 23826043i^*\alpha^1\alpha^2\beta^3\omega^2 + 145080127i^*\alpha^1\alpha^2\beta^3\omega + \\
& 1642921509i^*\alpha^1\alpha^2\beta^3\omega^6/100 - 525103794i^*\alpha^1\alpha^2\beta^3\omega^5/5 - 529373749i^*\alpha^1\alpha^2\beta^3\omega^4 + \\
& 1502050583i^*\alpha^1\alpha^2\beta^3\omega^3 + 3225614605i^*\alpha^1\alpha^2\beta^3\omega^2 - 74102257i^*\alpha^1\alpha^2\beta^3\omega + 1057206029i^*\alpha^1\alpha^2\beta^3\omega^7/125 + \\
& 372492009i^*\alpha^1\alpha^2\beta^3\omega^6/5 - 12657869397i^*\alpha^1\alpha^2\beta^3\omega^5/25 - 12139899421i^*\alpha^1\alpha^2\beta^3\omega^4/5 + \\
& 45115072188i^*\alpha^1\alpha^2\beta^3\omega^3/5 + 21192417626i^*\alpha^1\alpha^2\beta^3\omega^2 - 34593644698i^*\alpha^1\alpha^2\beta^3\omega + \\
& 10318353i^*\alpha^1\alpha^2\omega^{10}/3125 - 216083409i^*\alpha^1\alpha^2\omega^9/2500 - 7149494357i^*\alpha^1\alpha^2\omega^8/5000 + \\
& 3160710991i^*\alpha^1\alpha^2\omega^7/200 + 16739115671i^*\alpha^1\alpha^2\omega^6/125 - 43106429729i^*\alpha^1\alpha^2\omega^5/50 - \\
& 220513397679i^*\alpha^1\alpha^2\omega^4/50 + 85773532938i^*\alpha^1\alpha^2\omega^3/5 + 51521837935i^*\alpha^1\alpha^2\omega^2 - 103478453852i^*\alpha^1\alpha^2\omega - \\
& 135620525717i^*\alpha^1\alpha^2 - 77166i^*\alpha^1\alpha^3\omega^6 - 503236i^*\alpha^1\alpha^3\omega^5\beta^1\omega - 319210i^*\alpha^1\alpha^3\omega^4\beta^2\omega - 361952i^*\alpha^1\alpha^3\omega^3\beta^3\omega + \\
& 1188266i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2/5 - 1445427i^*\alpha^1\alpha^3\omega^2\beta^1\omega - 7556230i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 712074i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + \\
& 1865078i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 1547604i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 4794362i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2/5 + 4818425i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 - \\
& 30273106i^*\alpha^1\alpha^3\omega^2\beta^1\omega + 482444i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 1362450i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 4182808i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2/5 + \\
& 5333280i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 - 27118314i^*\alpha^1\alpha^3\omega^2\beta^1\omega + 505188i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 3865636i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2/5 + 4378491i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 - \\
& 24736646i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 - 6307891i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2/25 + 28707263i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2/10 + 23756155i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 - 91046229i^*\alpha^1\alpha^3\omega^2\beta^1\omega - \\
& 259141020i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 370880i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 2227414i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2 + 1628548i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - \\
& 9914349i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 + 4463797i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 30834208i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 2524140i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - \\
& 4740736i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 2811280i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 14648924i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 90421852i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + \\
& 1622832i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 11078574i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 10894546i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 70302912i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - \\
& 17174247i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/25 - 34009793i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 298962299i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 214518874i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - \\
& 694045446i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 306962i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 1871772i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 5261977i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + \\
& 7194458i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 35183190i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 1635424i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 11540944i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + \\
& 13403412i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 74977596i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 17644146i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/25 - 41722631i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 344561343i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + \\
& 269359602i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 753658812i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 264716i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 1590115i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/2 + 4412546i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 25409822i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - \\
& 14888214i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/25 - 32586642i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 275825726i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 207270240i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 615361512i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 16048772i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/125 - \\
& 42263717i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/20 - 1169184759i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/50 + 1531261123i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 + 7482163633i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 - 2158908287i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 4314400805i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 87198i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 918530i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 609668i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 3790719i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 - 1620989i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 11587504i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 2375896i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 3914390i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 11307109i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 - 10473804i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 71904080i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 1254840i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 16469059i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 - 7362259i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 51303404i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 12446836i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/25 - 44975139i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 - 82472847i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/2 + 140757485i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 490095159i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 1513542i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 4952028i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 13984662i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 - 15267470i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 92506450i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 3899216i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 25057884i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 - 25381606i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 161921284i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 73737009i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/50 - 75478311i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 - 662753853i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/5 + 485293058i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 + 1553694872i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 693740i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 - 16714179i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3/10 - 8189222i^*\alpha^1\alpha^3\omega^2\beta^1\omega^2\beta^3\omega^3 +
\end{aligned}$$

53092548*i* $\alpha^1\alpha^3\alpha^2\beta^1\beta^3\omega^3$ + 11390881* $\alpha^1\alpha^3\alpha^2\beta^1\beta^3\omega^{6/10}$ - 55743847*i* $\alpha^1\alpha^3\alpha^2\beta^1\beta^3\omega^{5/5}$ -
 495034027* $\alpha^1\alpha^3\alpha^2\beta^1\beta^3\omega^{4/5}$ + 352410900*i* $\alpha^1\alpha^3\alpha^2\beta^1\beta^3\omega^3$ + 1157286390* $\alpha^1\alpha^3\alpha^2\beta^1\beta^3\omega^2$ +
 58372773*i* $\alpha^1\alpha^3\alpha^2\beta^1\omega^{7/250}$ + 344233011* $\alpha^1\alpha^3\alpha^2\beta^1\omega^{6/100}$ - 1937584347*i* $\alpha^1\alpha^3\alpha^2\beta^1\omega^{5/50}$ -
 2439888911* $\alpha^1\alpha^3\alpha^2\beta^1\omega^{4/10}$ + 12346368139*i* $\alpha^1\alpha^3\alpha^2\beta^1\omega^{3/10}$ + 3481854241* $\alpha^1\alpha^3\alpha^2\beta^1\omega^2$ -
 7667540429*i* $\alpha^1\alpha^3\alpha^2\beta^1\omega$ - 50326* $\alpha^1\alpha^3\alpha^2\beta^2\omega^4$ - 1130910* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^4$ -
 2779828*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{5/5}$ - 4291158* $\alpha^1\alpha^3\alpha^2\beta^2\omega^4$ + 19677142*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^3$ -
 1833450* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^4$ - 2343015*i* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^5$ - 14091204* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^4$ +
 77991504*i* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^3$ + 33015549* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{6/50}$ - 82523587*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{5/10}$ -
 340514554* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{4/5}$ + 273735334*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^3$ + 749504309* $\alpha^1\alpha^3\alpha^2\beta^2\omega^2$ -
 713024* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^4$ - 9505917*i* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^{5/5}$ - 10615924* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^4$ +
 61341608*i* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^3$ + 6546043* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^{6/5}$ - 73320217*i* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^{5/5}$ -
 622124494* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^{4/5}$ + 473772032*i* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^3$ + 1398603124* $\alpha^1\alpha^3\alpha^2\beta^2\beta^3\omega^2$ +
 6590018*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{7/25}$ + 44913367* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{6/10}$ - 2504385103*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{5/50}$ -
 1667183203* $\alpha^1\alpha^3\alpha^2\beta^2\omega^{4/5}$ + 1633584176*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega^3$ + 4769513590* $\alpha^1\alpha^3\alpha^2\beta^2\omega^2$ -
 9432362908*i* $\alpha^1\alpha^3\alpha^2\beta^2\omega$ - 34234* $\alpha^1\alpha^3\alpha^2\beta^3\omega^4$ - 3045763*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{5/10}$ -
 1724134* $\alpha^1\alpha^3\alpha^2\beta^3\omega^4$ + 9615056*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^3$ + 21855083* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{6/50}$ -
 47251121*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{5/10}$ - 402058373* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{4/10}$ + 150062982*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^3$ +
 448096832* $\alpha^1\alpha^3\alpha^2\beta^3\omega^2$ + 106928617*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{7/500}$ + 343750177* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{6/100}$ -
 1917284737*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{5/50}$ - 2490659641* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{4/10}$ + 12287146641*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega^{3/10}$ +
 3519852363* $\alpha^1\alpha^3\alpha^2\beta^3\omega^2$ - 7200351225*i* $\alpha^1\alpha^3\alpha^2\beta^3\omega$ - 85162403* $\alpha^1\alpha^3\alpha^2\omega^{8/2500}$ +
 731934717*i* $\alpha^1\alpha^3\alpha^2\omega^{7/1000}$ + 5030801303* $\alpha^1\alpha^3\alpha^2\omega^{6/500}$ - 8925773389*i* $\alpha^1\alpha^3\alpha^2\omega^{5/100}$ -
 29901831639* $\alpha^1\alpha^3\alpha^2\omega^{4/50}$ + 14334630733*i* $\alpha^1\alpha^3\alpha^2\omega^{3/5}$ + 52165091682* $\alpha^1\alpha^3\alpha^2\omega^{2/5}$ -
 24475590184*i* $\alpha^1\alpha^3\alpha^2\omega$ - 37984469530* $\alpha^1\alpha^3\alpha^2$ - 9232*i* $\alpha^1\alpha^3\beta^1\omega^5$ - 154182*i* $\alpha^1\alpha^3\beta^1\omega^4$ -
 91692*i* $\alpha^1\alpha^3\beta^1\omega^3$ + 299891* $\alpha^1\alpha^3\beta^1\omega^2$ - 249870*i* $\alpha^1\alpha^3\beta^1\omega$ - 1793672* $\alpha^1\alpha^3\beta^1\omega^4$ -
 681410*i* $\alpha^1\alpha^3\beta^1\omega^3$ - 1038852*i* $\alpha^1\alpha^3\beta^1\omega^2$ + 3009478* $\alpha^1\alpha^3\beta^1\omega$ - 305120*i* $\alpha^1\alpha^3\beta^1\omega^4$ +
 2044157* $\alpha^1\alpha^3\beta^1\omega^3$ - 1742702*i* $\alpha^1\alpha^3\beta^1\omega^2$ - 12457052* $\alpha^1\alpha^3\beta^1\omega$ + 6232399* $\alpha^1\alpha^3\beta^1\omega^4$ +
 5360297* $\alpha^1\alpha^3\beta^1\omega^3$ - 50033053*i* $\alpha^1\alpha^3\beta^1\omega^2$ - 33209364* $\alpha^1\alpha^3\beta^1\omega$ + 118943264*i* $\alpha^1\alpha^3\beta^1\omega^4$ - 1002596* $\alpha^1\alpha^3\beta^1\omega^3$ -
 2808100* $\alpha^1\alpha^3\beta^1\omega^2$ + 15456379* $\alpha^1\alpha^3\beta^1\omega$ - 7448673*i* $\alpha^1\alpha^3\beta^1\omega^4$ - 50712678* $\alpha^1\alpha^3\beta^1\omega^3$ -
 2095930*i* $\alpha^1\alpha^3\beta^1\omega^2$ + 2555229* $\alpha^1\alpha^3\beta^1\omega$ - 11737906* $\alpha^1\alpha^3\beta^1\omega^4$ - 81619032* $\alpha^1\alpha^3\beta^1\omega^3$ + 18237758*i* $\alpha^1\alpha^3\beta^1\omega^2$ +
 6796721* $\alpha^1\alpha^3\beta^1\omega$ - 312220418*i* $\alpha^1\alpha^3\beta^1\omega^4$ - 217318740* $\alpha^1\alpha^3\beta^1\omega^3$ + 754961636*i* $\alpha^1\alpha^3\beta^1\omega^2$ -
 373892*i* $\alpha^1\alpha^3\beta^1\omega$ + 4139194* $\alpha^1\alpha^3\beta^1\omega^4$ - 3695432* $\alpha^1\alpha^3\beta^1\omega^3$ - 25713550* $\alpha^1\alpha^3\beta^1\omega^2$ + 13431614*i* $\alpha^1\alpha^3\beta^1\omega$ +
 24204944* $\alpha^1\alpha^3\beta^1\omega^4$ - 222814509* $\alpha^1\alpha^3\beta^1\omega^3$ - 151599466* $\alpha^1\alpha^3\beta^1\omega^2$ + 529774660* $\alpha^1\alpha^3\beta^1\omega$ -
 53416881* $\alpha^1\alpha^3\beta^1\omega^4$ + 145762669* $\alpha^1\alpha^3\beta^1\omega^3$ - 1668597149* $\alpha^1\alpha^3\beta^1\omega^2$ - 508334174* $\alpha^1\alpha^3\beta^1\omega$ - 2637613483* $\alpha^1\alpha^3\beta^1\omega^4$ +
 1454166438* $\alpha^1\alpha^3\beta^1\omega^3$ + 3395815457* $\alpha^1\alpha^3\beta^1\omega^2$ - 371112*i* $\alpha^1\alpha^3\beta^1\omega$ - 2045228* $\alpha^1\alpha^3\beta^1\omega^4$ +
 5395436* $\alpha^1\alpha^3\beta^1\omega^3$ - 6294508* $\alpha^1\alpha^3\beta^1\omega^2$ - 37429484* $\alpha^1\alpha^3\beta^1\omega$ - 2803482* $\alpha^1\alpha^3\beta^1\omega^4$ + 3395295* $\alpha^1\alpha^3\beta^1\omega^3$ -
 17818294* $\alpha^1\alpha^3\beta^1\omega^2$ - 112680990* $\alpha^1\alpha^3\beta^1\omega$ + 47141759*i* $\alpha^1\alpha^3\beta^1\omega^4$ + 50438586* $\alpha^1\alpha^3\beta^1\omega^3$ -
 444283167* $\alpha^1\alpha^3\beta^1\omega^2$ - 333991864* $\alpha^1\alpha^3\beta^1\omega$ + 1058083230* $\alpha^1\alpha^3\beta^1\omega^4$ - 1204960* $\alpha^1\alpha^3\beta^1\omega^3$ + 13159199* $\alpha^1\alpha^3\beta^1\omega^2$ -
 13188636* $\alpha^1\alpha^3\beta^1\omega$ - 85105766* $\alpha^1\alpha^3\beta^1\omega^4$ + 83519799* $\alpha^1\alpha^3\beta^1\omega^3$ + 83953747* $\alpha^1\alpha^3\beta^1\omega^2$ -
 747237017* $\alpha^1\alpha^3\beta^1\omega$ - 541687064* $\alpha^1\alpha^3\beta^1\omega^4$ + 1770832486* $\alpha^1\alpha^3\beta^1\omega^3$ - 161317361* $\alpha^1\alpha^3\beta^1\omega^2$ + 245760907* $\alpha^1\alpha^3\beta^1\omega$ +
 557887961* $\alpha^1\alpha^3\beta^1\omega^4$ - 1788183221* $\alpha^1\alpha^3\beta^1\omega^3$ - 9083301964* $\alpha^1\alpha^3\beta^1\omega^2$ - 5195680588* $\alpha^1\alpha^3\beta^1\omega$ +
 11381145490* $\alpha^1\alpha^3\beta^1\omega^4$ - 101176* $\alpha^1\alpha^3\beta^1\omega^3$ - 2327761* $\alpha^1\alpha^3\beta^1\omega^2$ - 2315114* $\alpha^1\alpha^3\beta^1\omega$ - 14708992* $\alpha^1\alpha^3\beta^1\omega^4$ +

$$\begin{aligned}
& 27853979i^* \alpha^3 \beta^1 \beta^3 \omega^7/50 + 27270458 \alpha^3 \beta^1 \beta^3 \omega^6/5 - 242301396i^* \alpha^3 \beta^1 \beta^3 \omega^5/5 - \\
& 172160280 \alpha^3 \beta^1 \beta^3 \omega^4 + 564225764i^* \alpha^3 \beta^1 \beta^3 \omega^3 - 31219686 \alpha^3 \beta^1 \beta^3 \omega^2/125 + \\
& 182926157i^* \alpha^3 \beta^1 \beta^3 \omega^7/50 + 414003783 \alpha^3 \beta^1 \beta^3 \omega^6/10 - 1299996991i^* \alpha^3 \beta^1 \beta^3 \omega^5/5 - \\
& 6606909587 \alpha^3 \beta^1 \beta^3 \omega^4/5 + 3711667970i^* \alpha^3 \beta^1 \beta^3 \omega^3 + 8233160258 \alpha^3 \beta^1 \beta^3 \omega^2 - \\
& 23627339i^* \alpha^3 \beta^1 \omega^9/625 - 37082133 \alpha^3 \beta^1 \omega^8/50 + 1018080277i^* \alpha^3 \beta^1 \omega^7/100 + \\
& 4390044863 \alpha^3 \beta^1 \omega^6/50 - 29667482673i^* \alpha^3 \beta^1 \omega^5/50 - 14062531814 \alpha^3 \beta^1 \omega^4/5 + \\
& 10492650710i^* \alpha^3 \beta^1 \omega^3 + 24515038448 \alpha^3 \beta^1 \omega^2 - 41107118122i^* \alpha^3 \beta^1 \omega + \\
& 23384i^* \alpha^3 \beta^2 \omega^5 - 271928i^* \alpha^3 \beta^2 \omega^4 + 99210 \alpha^3 \beta^2 \omega^3 - 1036351i^* \alpha^3 \beta^2 \omega^2 - \\
& 4118462 \alpha^3 \beta^2 \omega^4 - 826532i^* \alpha^3 \beta^2 \omega^3 + 4619654 \alpha^3 \beta^2 \omega^2 - 5894518i^* \alpha^3 \beta^2 \omega^3 + \\
& 32113934 \alpha^3 \beta^2 \omega^4 + 5749461i^* \alpha^3 \beta^2 \omega^5 - 15814219 \alpha^3 \beta^2 \omega^6/5 - 26151358i^* \alpha^3 \beta^2 \omega^5 - 110010142 \alpha^3 \beta^2 \omega^4 + \\
& 292111136i^* \alpha^3 \beta^2 \omega^3 - 597508i^* \alpha^3 \beta^2 \omega^2 + 2763455 \alpha^3 \beta^2 \omega^3 - 7756412i^* \alpha^3 \beta^2 \omega^2 + \\
& 45316616 \alpha^3 \beta^2 \omega^4 + 43083273i^* \alpha^3 \beta^2 \omega^5 - 49811303 \alpha^3 \beta^2 \omega^6/5 - 425007276i^* \alpha^3 \beta^2 \omega^5/5 - 329769624 \alpha^3 \beta^2 \omega^4 + \\
& 969457468i^* \alpha^3 \beta^2 \omega^3 - 159133361 \alpha^3 \beta^2 \omega^2 + 285222937i^* \alpha^3 \beta^2 \omega^3 - 3224468677 \alpha^3 \beta^2 \omega^4/100 - \\
& 439823831i^* \alpha^3 \beta^2 \omega^5/2 - 10836542237 \alpha^3 \beta^2 \omega^4/10 + 3217629642i^* \alpha^3 \beta^2 \omega^3 + \\
& 6287775154 \alpha^3 \beta^2 \omega^2 - 78300i^* \alpha^3 \beta^2 \omega^4 + 2685218 \alpha^3 \beta^2 \omega^5 - 2995712i^* \alpha^3 \beta^2 \omega^6/5 - 16973876 \alpha^3 \beta^2 \omega^4 + \\
& 34043523i^* \alpha^3 \beta^2 \omega^7/50 + 7414460 \alpha^3 \beta^2 \omega^6 - 317688812i^* \alpha^3 \beta^2 \omega^5/5 - 238661520 \alpha^3 \beta^2 \omega^4 + \\
& 715984576i^* \alpha^3 \beta^2 \omega^3 - 152397397 \alpha^3 \beta^2 \omega^2 + 125160263i^* \alpha^3 \beta^2 \omega^3 + 2815605101 \alpha^3 \beta^2 \omega^4/50 - 370407118i^* \alpha^3 \beta^2 \omega^5 - \\
& 9186963749 \alpha^3 \beta^2 \omega^4/5 + 5317036502i^* \alpha^3 \beta^2 \omega^3 + 10860588274 \alpha^3 \beta^2 \omega^2 - 112693509i^* \alpha^3 \beta^2 \omega^9/2500 - \\
& 250353099 \alpha^3 \beta^2 \omega^8/250 + 1744710256i^* \alpha^3 \beta^2 \omega^7/125 + 3147964566 \alpha^3 \beta^2 \omega^6/25 - 1703188931i^* \alpha^3 \beta^2 \omega^5/2 - 4129923506 \alpha^3 \beta^2 \omega^4 + \\
& 75515129321i^* \alpha^3 \beta^2 \omega^3/5 + 35753473788 \alpha^3 \beta^2 \omega^2 - 55182565050i^* \alpha^3 \beta^2 \omega + 6936i^* \alpha^3 \beta^3 \omega^5 + \\
& 147061 \alpha^3 \beta^3 \omega^6/5 - 192354i^* \alpha^3 \beta^3 \omega^5 - 891438 \alpha^3 \beta^3 \omega^4 + 551241i^* \alpha^3 \beta^3 \omega^7/5 + \\
& 6040797 \alpha^3 \beta^3 \omega^6/5 - 50680154i^* \alpha^3 \beta^3 \omega^5/5 - 38009670 \alpha^3 \beta^3 \omega^4 + 109811892i^* \alpha^3 \beta^3 \omega^3 - 25338663 \alpha^3 \beta^3 \omega^2 + \\
& 161524901i^* \alpha^3 \beta^3 \omega^7/100 + 72200631 \alpha^3 \beta^3 \omega^6/4 - 116820870i^* \alpha^3 \beta^3 \omega^5 - 576068982 \alpha^3 \beta^3 \omega^4 + \\
& 1642268603i^* \alpha^3 \beta^3 \omega^3 + 3352412225 \alpha^3 \beta^3 \omega^2 - 45373857i^* \alpha^3 \beta^3 \omega^9/1250 - 383581347 \alpha^3 \beta^3 \omega^8/500 + 1057837339i^* \alpha^3 \beta^3 \omega^7/100 + \\
& 467411131 \alpha^3 \beta^3 \omega^6/5 - 15707252654i^* \alpha^3 \beta^3 \omega^5/25 - 15022209217 \alpha^3 \beta^3 \omega^4/5 + 10976087149i^* \alpha^3 \beta^3 \omega^3 + \\
& 25648628236 \alpha^3 \beta^3 \omega^2 - 40295833266i^* \alpha^3 \beta^3 \omega + 14154152 \alpha^3 \omega^{10}/3125 - 300414339i^* \alpha^3 \omega^9/2500 - 393930323 \alpha^3 \omega^8/200 + \\
& 21686397043i^* \alpha^3 \omega^7/1000 + 45493104787 \alpha^3 \omega^6/250 - 58187391107i^* \alpha^3 \omega^5/50 - 294412829991 \alpha^3 \omega^4/50 + \\
& 113613352659i^* \alpha^3 \omega^3/5 + 336375815747 \alpha^3 \omega^2/5 - 133916514980i^* \alpha^3 \omega - 170472348157 \alpha^3 + 344 \alpha^3 \beta^1 \omega^6 + 9002 \alpha^3 \beta^1 \omega^6 + \\
& 4604 \alpha^3 \beta^1 \omega^6 + 16472i^* \alpha^3 \beta^1 \omega^7/5 + 13532 \alpha^3 \beta^1 \omega^6 - 95542i^* \alpha^3 \beta^1 \omega^5 + 59824 \alpha^3 \beta^1 \omega^6 + 85118 \alpha^3 \beta^1 \omega^6 + \\
& 50277i^* \alpha^3 \beta^1 \omega^7 + 212352 \alpha^3 \beta^1 \omega^6 - 1552588i^* \alpha^3 \beta^1 \omega^5 + 22044 \alpha^3 \beta^1 \omega^6 + 157618i^* \alpha^3 \beta^1 \omega^7/5 + 130900 \alpha^3 \beta^1 \omega^6 - 933114i^* \alpha^3 \beta^1 \omega^5 - \\
& 495983 \alpha^3 \beta^1 \omega^8/50 + 414541i^* \alpha^3 \beta^1 \omega^7/5 + 3884008 \alpha^3 \beta^1 \omega^6/5 - 2533412i^* \alpha^3 \beta^1 \omega^5 - 9107286 \alpha^3 \beta^1 \omega^4 + 149856 \alpha^3 \beta^1 \omega^6 + 388174 \alpha^3 \beta^1 \omega^6 + \\
& 2127861i^* \alpha^3 \beta^1 \omega^7/10 + 960477 \alpha^3 \beta^1 \omega^6 - 6899532i^* \alpha^3 \beta^1 \omega^5 + 274562 \alpha^3 \beta^1 \omega^6 + 1662039i^* \alpha^3 \beta^1 \omega^7/5 + 1448082 \alpha^3 \beta^1 \omega^6 - 10453904i^* \alpha^3 \beta^1 \omega^5 - \\
& 4724287 \alpha^3 \beta^1 \omega^8/50 + 834724i^* \alpha^3 \beta^1 \omega^7 + 7839760 \alpha^3 \beta^1 \omega^6 - 26467858i^* \alpha^3 \beta^1 \omega^5 - 95455524 \alpha^3 \beta^1 \omega^4 + 45124 \alpha^3 \beta^1 \omega^6 + 509104i^* \alpha^3 \beta^1 \omega^7/5 + \\
& 433056 \alpha^3 \beta^1 \omega^6 - 3071726i^* \alpha^3 \beta^1 \omega^5 - 1656047 \alpha^3 \beta^1 \omega^8/25 + 569554i^* \alpha^3 \beta^1 \omega^7 + 26582622 \alpha^3 \beta^1 \omega^6/5 - 17599518i^* \alpha^3 \beta^1 \omega^5 - 62858044 \alpha^3 \beta^1 \omega^4 - 6579433i^* \alpha^3 \beta^1 \omega^9/500 - 17149287 \alpha^3 \beta^1 \omega^8/100 + 197762883i^* \alpha^3 \beta^1 \omega^7/100 + 58973444 \alpha^3 \beta^1 \omega^6/5 -
\end{aligned}$$

$$\begin{aligned}
& 309247843i^*\alpha^1\beta^1\omega^5/5 - 167812216\alpha^1\beta^1\omega^4 + 401260431i^*\alpha^1\beta^1\omega^3 + 132778\alpha^1\beta^1\omega^2\beta^2\omega^6 + \\
& 590448\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^6 + 1532887i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^7/5 + 1567174\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^6 - \\
& 10601982i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^5 + 763184\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^2\omega^6 + 8760931i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^7/10 + \\
& 4178703\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^6 - 28971838i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^5 - 23665851\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^8/100 + \\
& 23043043i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^7/10 + 212869863\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^6/10 - 76087189i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^5 - \\
& 263370706\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^4 + 337466\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^6 + 3326707i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^7/5 + \\
& 3050342\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^6 - 21301098i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^5 - 3994263\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^8/10 + \\
& 18539052i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^7/5 + 171528016\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^6/5 - 119048498i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^5 - \\
& 417088632\alpha^1\beta^1\omega^2\beta^2\omega^3\beta^3\omega^4 - 37353339i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^9/500 - 26384373\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^8/25 + \\
& 304771203i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^7/25 + 378687099\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^6/5 - 1976521047i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^5/5 - \\
& 1106383068\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^4 + 2586237996i^*\alpha^1\beta^1\omega^2\beta^2\omega^3\omega^3 + 33436\alpha^1\beta^1\omega^2\beta^3\omega^4\omega^6 + \\
& 612248i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^7/5 + 547976\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^6 - 3758466i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^5 - \\
& 13277827\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^8/100 + 5990941i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^7/5 + 55070216\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^6/5 - \\
& 37395522i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^5 - 130009123\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^4 - 7045297i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^9/125 - \\
& 15386473\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^8/20 + 883299613i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^7/100 + 269016623\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^6/5 - \\
& 1397688507i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^5/5 - 768546144\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^4 + 1794907315i^*\alpha^1\beta^1\omega^2\beta^3\omega^3\omega^3 + \\
& 20628529\alpha^1\beta^1\omega^2\omega^10/2500 - 151697963i^*\alpha^1\beta^1\omega^2\omega^9/1000 - 2089004259\alpha^1\beta^1\omega^2\omega^8/1000 + \\
& 1759235513i^*\alpha^1\beta^1\omega^2\omega^7/100 + 11979232213\alpha^1\beta^1\omega^2\omega^6/100 - 2803646783i^*\alpha^1\beta^1\omega^2\omega^5/5 - \\
& 4256256819\alpha^1\beta^1\omega^2\omega^4/2 + 4927109224i^*\alpha^1\beta^1\omega^2\omega^3 + 8668579857\alpha^1\beta^1\omega^2\omega^2 + 21048\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^6 + \\
& 264236\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^4\beta^3\omega^6 + 610718i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^4\omega^7/5 + 806631\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^4\omega^6 - 4708674i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^4\omega^5 + \\
& 594772\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\beta^3\omega^6 + 3339542i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\beta^3\omega^7/5 + 3678890\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\beta^3\omega^6 - \\
& 23198454i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\beta^3\omega^5 - 8517837\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\omega^8/50 + 9759288i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\omega^7/5 + \\
& 87076473\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\omega^6/5 - 68084002i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\omega^5 - 213931154\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^3\omega^4 + \\
& 455338\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6 + 9165667i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^7/10 + 4702930\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6 - \\
& 30402940i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^5 - 27101821\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^8/50 + 5636807i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^7 + \\
& 252928182\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6/5 - 187600350i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^5 - 612078410\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^4 - \\
& 97691207i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^9/1000 - 155876087\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^8/100 + 1798444559i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^7/100 + \\
& 1182699011\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^6/10 - 1211815829i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^5/2 - 1765950744\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^4 + \\
& 3850233884i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^3 + 107612\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6 + 1985029i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^7/5 + \\
& 2000386\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6 - 12779180i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^5 - 10620978\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^8/25 + \\
& 21187298i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^7/5 + 189563798\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6/5 - 136851382i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^5 - \\
& 449906156\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^4 - 87993871i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^9/500 - 66142566\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^8/25 + \\
& 1512596423i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^7/50 + 965832882\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^6/5 - 4942494312i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^5/5 - \\
& 2816366350\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^4 + 6252870942i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\beta^3\omega^3 + 62289041\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^10/2500 - \\
& 63254441i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^9/125 - 881931213\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^8/125 + 3100874373i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^7/50 + \\
& 10590527753\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^6/25 - 10178560459i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^5/5 - 7643542957\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^4 + \\
& 18065407396i^*\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^3 + 30255711184\alpha^1\beta^1\omega^2\omega^1\beta^2\omega^2\omega^2 - 48\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^5\omega^6 + 172832i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^4\omega^7/5 + \\
& 182196\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^4\omega^6 - 1065468i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^4\omega^5 - 3848067\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^3\omega^8/50 + 764082i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^3\omega^7 + \\
& 33511824\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^3\omega^6/5 - 23894386i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^3\omega^5 - 76444810\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^3\omega^4 - \\
& 14969743i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^9/250 - 87805873\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^8/100 + 994193201i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^7/100 + \\
& 312144594\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^6/5 - 1583188992i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^5/5 - 886798661\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^4 + \\
& 1954751659i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^3 + 24616081\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^10/1250 - 192340963i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^9/500 - \\
& 2650565321\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^8/500 + 45709841i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^7 + 7742093106\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^6/25 - \\
& 7333536689i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^5/5 - 27396529184\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^4/5 + 12761640920i^*\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^3 + \\
& 21448027434\alpha^1\beta^1\omega^2\omega^1\beta^3\omega^2\omega^2 + 1458348i^*\alpha^1\beta^1\omega^2\omega^1\omega^11/625 + 143427841\alpha^1\beta^1\omega^2\omega^1\omega^10/2500 - 37259549i^*\alpha^1\beta^1\omega^2\omega^1\omega^9/40 - \\
& 10029834959\alpha^1\beta^1\omega^2\omega^1\omega^8/1000 + 8406815623i^*\alpha^1\beta^1\omega^2\omega^1\omega^7/100 + 26664378223\alpha^1\beta^1\omega^2\omega^1\omega^6/50 - \\
& 135894634781i^*\alpha^1\beta^1\omega^2\omega^1\omega^5/50 - 52421861649\alpha^1\beta^1\omega^2\omega^1\omega^4/5 + 158340169076i^*\alpha^1\beta^1\omega^2\omega^1\omega^3/5 + \\
& 63357096954\alpha^1\beta^1\omega^2\omega^1\omega^2 - 85964891353i^*\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^6 - 7040\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^5\beta^2\omega^6 + 12648\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^4\beta^3\omega^6 - \\
& 13084i^*\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^7/5 + 54404\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^6 - 76488i^*\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^5 + 120122\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^4\beta^2\omega^6 + \\
& 535786i^*\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^4\beta^3\omega^7/5 + 777373\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^4\beta^3\omega^6 - 4110494i^*\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^4\beta^3\omega^5 - 2000777\alpha^1\beta^1\omega^2\omega^1\omega^1\omega^3\omega^4\beta^3\omega^4/100 +
\end{aligned}$$

$$\begin{aligned}
& 1762836 \cdot \alpha^1 \beta^2 \omega^7/5 + 14750209 \cdot \alpha^1 \beta^2 \omega^6/5 - 13670013 \cdot \alpha^1 \beta^2 \omega^5 - 34375584 \cdot \alpha^1 \beta^2 \omega^4 + \\
& 152636 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 + 297891 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7 + 1697108 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 - \\
& 10066160 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 8100121 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/50 + 1978540 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7 + \\
& 17061824 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 - 68308434 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 200159188 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 - \\
& 3249978 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/125 - 25575677 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/50 + 148624042 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/25 + \\
& 211436998 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/5 - 211106545 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 644726234 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 + 1242286006 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + \\
& 45080 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 + 2168469 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/10 + 1166918 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 - \\
& 6886542 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 477497 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/2 + 26145819 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/10 + \\
& 226886657 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/10 - 85864592 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 260947270 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 - \\
& 96122483 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/1000 - 162748543 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/100 + 1855902467 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/100 + \\
& 1243780207 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/10 - 6230100423 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/10 - 1828997662 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 + \\
& 3740743054 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + 64386807 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^10/5000 - 150593143 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/500 - \\
& 2149268479 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/500 + 796257849 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/20 + 13677483739 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/50 - \\
& 13504219207 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/10 - 49824164821 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4/10 + 11952301727 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + \\
& 18350599866 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^2 - 8256 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 + 162632 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/5 + 203222 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 - \\
& 959214 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 2364207 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/25 + 5121866 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/5 + \\
& 43498988 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/5 - 32584054 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 95469808 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 - \\
& 7643763 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/100 - 61276951 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/50 + 691058209 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/50 + \\
& 450782113 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/5 - 448629575 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 1289532336 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 + \\
& 2652693668 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + 62224567 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^10/2500 - 268505171 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/500 - \\
& 1874206137 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/250 + 335832897 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/5 + 22799370977 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/50 - \\
& 2204432762 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 40577825667 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4/5 + 19148843972 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + \\
& 30158620462 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^2 + 3572979 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^11/1250 + 196205193 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^10/2500 - \\
& 819638739 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/625 - 7359033473 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/500 + 62616929313 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/500 + \\
& 40592989497 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/50 - 103738398886 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/25 - 80896425881 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4/5 + \\
& 241075738153 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3/5 + 96782426452 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^2 - 123018328688 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega - 288 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 - \\
& 2058 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7 - 7308 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6 + 58716 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 577293 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/100 + \\
& 352234 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/5 + 2751274 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/5 - 2149066 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5 - 5353601 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 - \\
& 6365673 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/500 - 20507131 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/100 + 227585327 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/100 + \\
& 73697051 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/5 - 358330272 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/5 - 203511967 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4 + 401754607 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + \\
& 5261523 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^10/625 - 44132813 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/250 - 97410467 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/40 + \\
& 2147158451 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/100 + 14419689647 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/100 - 1375027651 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/2 - \\
& 25035958767 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4/10 + 5818478923 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + 9078748454 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^2 + \\
& 7318289 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^11/3125 + 153174897 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^10/2500 - 5025536623 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/5000 - \\
& 2208835039 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/200 + 23204071461 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/250 + 29658919281 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/50 - \\
& 75124497956 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/25 - 57898025988 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4/5 + 34314016757 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + 68075052790 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^2 - \\
& 87127964303 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega - 296187 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^12/1250 + 46860797 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^11/6250 + 3570412969 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^10/25000 - \\
& 1865481061 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^9/1000 - 46711281471 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^8/2500 + 146806660993 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7/1000 + 233420037893 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^6/250 - \\
& 478598906171 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^5/100 - 497339580283 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^4/25 + 64988661735 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^3 + 1639951347507 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^2/10 - \\
& 284641247108 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega - 307690466575 \cdot \alpha^1 \beta^2 \omega^3 \beta^3 \omega^7 + 4385 \cdot \alpha^2 \omega^6 \alpha^3 + 4853 \cdot \alpha^2 \omega^6 \beta^1 \omega - 9994 \cdot \alpha^2 \omega^6 \beta^2 \omega + \\
& 10323 \cdot \alpha^2 \omega^6 \beta^3 \omega - 18499 \cdot \alpha^2 \omega^6 \omega^2/10 + 29990 \cdot \alpha^2 \omega^6 \omega + 111373 \cdot \alpha^2 \omega^6 + 46383 \cdot \alpha^2 \omega^5 \alpha^3 \omega^2 + \\
& 36690 \cdot \alpha^2 \omega^5 \alpha^3 \beta^1 \omega + 28000 \cdot \alpha^2 \omega^5 \alpha^3 \beta^2 \omega + 52042 \cdot \alpha^2 \omega^5 \alpha^3 \beta^3 \omega - 102064 \cdot \alpha^2 \omega^5 \alpha^3 \omega^2/5 + \\
& 107536 \cdot \alpha^2 \omega^5 \alpha^3 \omega + 910476 \cdot \alpha^2 \omega^5 \alpha^3 - 6956 \cdot \alpha^2 \omega^5 \beta^1 \omega^2 - 35578 \cdot \alpha^2 \omega^5 \beta^1 \beta^2 \omega^2 - 22278 \cdot \alpha^2 \omega^5 \beta^1 \beta^3 \omega^2 - \\
& 15180 \cdot \alpha^2 \omega^5 \beta^1 \omega^3 - 58382 \cdot \alpha^2 \omega^5 \beta^1 \omega^2 + 403064 \cdot \alpha^2 \omega^5 \beta^1 \omega + 14273 \cdot \alpha^2 \omega^5 \beta^2 \omega^2 - 56384 \cdot \alpha^2 \omega^5 \beta^2 \beta^3 \omega^2 - \\
& 75108 \cdot \alpha^2 \omega^5 \beta^2 \omega^3/5 - 157695 \cdot \alpha^2 \omega^5 \beta^2 \omega^2 + 667990 \cdot \alpha^2 \omega^5 \beta^2 \omega - 15559 \cdot \alpha^2 \omega^5 \beta^3 \omega^2 - \\
& 106339 \cdot \alpha^2 \omega^5 \beta^3 \omega^3/5 - 66534 \cdot \alpha^2 \omega^5 \beta^3 \omega^2 + 557684 \cdot \alpha^2 \omega^5 \beta^3 \omega + 26906 \cdot \alpha^2 \omega^5 \omega^4/5 - 565573 \cdot \alpha^2 \omega^5 \omega^3/10 - \\
& 4022733 \cdot \alpha^2 \omega^5 \omega^2/10 + 1279605 \cdot \alpha^2 \omega^5 \omega + 4919396 \cdot \alpha^2 \omega^5 + 59855 \cdot \alpha^2 \omega^4 \alpha^3 - 11595 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \omega + \\
& 123180 \cdot \alpha^2 \omega^4 \alpha^3 \beta^2 \omega - 55409 \cdot \alpha^2 \omega^4 \alpha^3 \beta^3 \omega + 77261 \cdot \alpha^2 \omega^4 \alpha^3 \omega^2/10 - 240991 \cdot \alpha^2 \omega^4 \alpha^3 \omega + \\
& 321865 \cdot \alpha^2 \omega^4 \alpha^3 \omega^2 + 23560 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \omega^2 - 79102 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \beta^2 \omega^2 + 106010 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \beta^3 \omega^2 + \\
& 121707 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \omega^3/5 + 313320 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \omega^2 - 1054954 \cdot \alpha^2 \omega^4 \alpha^3 \beta^1 \omega - 45843 \cdot \alpha^2 \omega^4 \alpha^3 \beta^2 \omega^2 -
\end{aligned}$$

$$\begin{aligned}
& 82412\alpha^4\alpha^3\beta^2\beta^3\omega^2 - 188727i\alpha^4\alpha^3\beta^2\omega^3/5 - 156549\alpha^4\alpha^3\beta^2\omega^2 + 1957204i\alpha^4\alpha^3\beta^2\omega + \\
& 117733\alpha^4\alpha^3\beta^3\omega^2 + 65556i\alpha^4\alpha^3\beta^3\omega^3 + 603576\alpha^4\alpha^3\beta^3\omega^2 - 2551336i\alpha^4\alpha^3\beta^3\omega - \\
& 8070\alpha^4\alpha^3\omega^4 + 1723733i\alpha^4\alpha^3\omega^3/10 + 2800617\alpha^4\alpha^3\omega^2/2 - 7626009i\alpha^4\alpha^3\omega - \\
& 9929936\alpha^4\alpha^3 + 4816i\alpha^4\beta^1\beta^3\omega^3 - 17000i\alpha^4\beta^1\beta^2\omega^3 + 23336i\alpha^4\beta^1\beta^3\omega^3 - \\
& 26617\alpha^4\beta^1\beta^2\omega^4/5 + 63174i\alpha^4\beta^1\beta^2\omega^3 + 323360\alpha^4\beta^1\beta^2\omega^2 - 80363i\alpha^4\beta^1\beta^2\omega^3 - \\
& 39006i\alpha^4\beta^1\beta^2\beta^3\omega^3 + 245881\alpha^4\beta^1\beta^2\omega^4/5 - 123481i\alpha^4\beta^1\beta^2\omega^3 - 885248\alpha^4\beta^1\beta^2\omega^2 + \\
& 48979i\alpha^4\beta^1\beta^3\omega^3 - 24222\alpha^4\beta^1\beta^3\omega^4 + 225764i\alpha^4\beta^1\beta^3\omega^3 + 1308034\alpha^4\beta^1\beta^3\omega^2 + \\
& 59479i\alpha^4\beta^1\omega^5/50 - 103185\alpha^4\beta^1\omega^4/2 + 5624047i\alpha^4\beta^1\omega^3/10 + 3400519\alpha^4\beta^1\omega^2 - \\
& 8149742i\alpha^4\beta^1\omega + 14764i\alpha^4\beta^2\omega^3 - 99757i\alpha^4\beta^2\beta^3\omega^3 + 146427\alpha^4\beta^2\omega^4/5 - \\
& 293713i\alpha^4\beta^2\omega^3 - 1241685\alpha^4\beta^2\omega^2 - 6356i\alpha^4\beta^2\beta^3\omega^3 + 234492\alpha^4\beta^2\beta^3\omega^4/5 - \\
& 46779i\alpha^4\beta^2\beta^3\omega^3 - 710764\alpha^4\beta^2\beta^3\omega^2 + 397104i\alpha^4\beta^2\omega^5/25 + 1525217\alpha^4\beta^2\omega^4/10 - \\
& 4392756i\alpha^4\beta^2\omega^3/5 - 1932073\alpha^4\beta^2\omega^2 + 9234056i\alpha^4\beta^2\omega + 37953i\alpha^4\beta^3\omega^3 - \\
& 168466\alpha^4\beta^3\omega^4/5 + 238731i\alpha^4\beta^3\omega^3 + 1471673\alpha^4\beta^3\omega^2 - 134788i\alpha^4\beta^3\omega^5/25 - \\
& 1364749\alpha^4\beta^3\omega^4/10 + 13192321i\alpha^4\beta^3\omega^3/10 + 6719835\alpha^4\beta^3\omega^2 - 18241540i\alpha^4\beta^3\omega - \\
& 746853\alpha^4\omega^6/1000 - 435707i\alpha^4\omega^5/100 - 18966917\alpha^4\omega^4/100 + 2178146i\alpha^4\omega^3 + \\
& 124745819\alpha^4\omega^2/10 - 46568539i\alpha^4\omega - 68103240\alpha^4 - 6871\alpha^3\alpha^3\omega^4 - 302804i\alpha^3\alpha^3\beta^1\omega + \\
& 69732i\alpha^3\alpha^3\beta^2\omega - 426608i\alpha^3\alpha^3\beta^3\omega + 805846\alpha^3\alpha^3\omega^2/5 - 1311196i\alpha^3\alpha^3\omega - \\
& 4482020\alpha^3\alpha^3 + 299766\alpha^3\alpha^3\beta^1\omega^2 + 414528\alpha^3\alpha^3\beta^2\omega^2 + \\
& 941076\alpha^3\alpha^3\beta^1\beta^3\omega^2 + 2117846i\alpha^3\alpha^3\beta^1\omega^3/5 + 2590016\alpha^3\alpha^3\beta^1\omega^2 - \\
& 13645002i\alpha^3\alpha^3\beta^1\omega - 131035\alpha^3\alpha^3\beta^2\omega^2 + 546300\alpha^3\alpha^3\beta^2\beta^3\omega^2 + \\
& 187573i\alpha^3\alpha^3\beta^2\omega^3 + 1784696\alpha^3\alpha^3\beta^2\omega^2 - 4773300i\alpha^3\alpha^3\beta^2\omega + \\
& 677564\alpha^3\alpha^3\beta^3\omega^2 + 2968453i\alpha^3\alpha^3\beta^3\omega^3/5 + 3632780\alpha^3\alpha^3\beta^3\omega^2 - \\
& 19515564i\alpha^3\alpha^3\beta^3\omega - 12834667\alpha^3\alpha^3\beta^3\omega^4/100 + 8253889i\alpha^3\alpha^3\beta^3\omega^3/5 + \\
& 66060268\alpha^3\alpha^3\beta^3\omega^2/5 - 55379964i\alpha^3\alpha^3\beta^3\omega - 130508777\alpha^3\alpha^3\beta^3\omega^2 + 88148i\alpha^3\alpha^3\beta^1\omega^3 + \\
& 288604i\alpha^3\alpha^3\beta^1\beta^2\omega^3 + 446304i\alpha^3\alpha^3\beta^1\beta^3\omega^3 - 1062174\alpha^3\alpha^3\beta^1\omega^4/5 + \\
& 1155936i\alpha^3\alpha^3\beta^1\omega^3 + 7119824\alpha^3\alpha^3\beta^1\omega^2 + 26766i\alpha^3\alpha^3\beta^1\beta^2\omega^3 + \\
& 906392i\alpha^3\alpha^3\beta^1\beta^2\beta^3\omega^3 - 326575\alpha^3\alpha^3\beta^1\beta^2\omega^4 + 2400856i\alpha^3\alpha^3\beta^1\beta^2\omega^3 + \\
& 12573782\alpha^3\alpha^3\beta^1\beta^2\omega^2 + 714984i\alpha^3\alpha^3\beta^1\beta^3\omega^3 - 669774\alpha^3\alpha^3\beta^1\beta^3\omega^4 + \\
& 3642644i\alpha^3\alpha^3\beta^1\beta^3\omega^3 + 22677430\alpha^3\alpha^3\beta^1\beta^3\omega^2 - 7317151i\alpha^3\alpha^3\beta^1\omega^5/50 - \\
& 8537948\alpha^3\alpha^3\beta^1\omega^4/5 + 74962629i\alpha^3\alpha^3\beta^1\omega^3/5 + 59498136\alpha^3\alpha^3\beta^1\omega^2 - \\
& 174865576i\alpha^3\alpha^3\beta^1\omega - 40848i\alpha^3\alpha^3\beta^2\omega^3 + 37306i\alpha^3\alpha^3\beta^2\beta^3\omega^3 - \\
& 34259\alpha^3\alpha^3\beta^2\omega^4/5 + 210354i\alpha^3\alpha^3\beta^2\omega^3 - 735362\alpha^3\alpha^3\beta^2\omega^2 + \\
& 668552i\alpha^3\alpha^3\beta^2\beta^3\omega^3 - 2429348\alpha^3\alpha^3\beta^2\beta^3\omega^4/5 + 3532330i\alpha^3\alpha^3\beta^2\beta^3\omega^3 + \\
& 18024672\alpha^3\alpha^3\beta^2\beta^3\omega^2 - 4394931i\alpha^3\alpha^3\beta^2\omega^5/50 - 6474959\alpha^3\alpha^3\beta^2\omega^4/5 + \\
& 55367742i\alpha^3\alpha^3\beta^2\omega^3/5 + 50883004\alpha^3\alpha^3\beta^2\omega^2 - 112014598i\alpha^3\alpha^3\beta^2\omega + \\
& 345792i\alpha^3\alpha^3\beta^3\omega^3 - 2439537\alpha^3\alpha^3\beta^3\omega^4/5 + 2644244i\alpha^3\alpha^3\beta^3\omega^3 + \\
& 16583674\alpha^3\alpha^3\beta^3\omega^2 - 10781561i\alpha^3\alpha^3\beta^3\omega^5/50 - 12545558\alpha^3\alpha^3\beta^3\omega^4/5 + \\
& 109381262i\alpha^3\alpha^3\beta^3\omega^3/5 + 86397036\alpha^3\alpha^3\beta^3\omega^2 - 255455118i\alpha^3\alpha^3\beta^3\omega + \\
& 3786686\alpha^3\alpha^3\omega^6/125 - 13801083i\alpha^3\alpha^3\omega^5/25 - 161983576\alpha^3\alpha^3\omega^4/25 + \\
& 227701579i\alpha^3\alpha^3\omega^3/5 + 225763608\alpha^3\alpha^3\omega^2 - 688431358i\alpha^3\alpha^3\omega - 1258222328\alpha^3\alpha^3 - \\
& 7988\alpha^3\beta^1\omega^4 - 46000\alpha^3\beta^1\beta^2\omega^4 - 58028\alpha^3\beta^1\beta^3\omega^4 - 28703i\alpha^3\beta^1\omega^5 - \\
& 143674\alpha^3\beta^1\omega^4 + 958302i\alpha^3\beta^1\omega^3 - 9971\alpha^3\beta^1\beta^2\omega^4 - 206272\alpha^3\beta^1\beta^2\beta^3\omega^4 - \\
& 754319i\alpha^3\beta^1\beta^2\omega^5/10 - 520169\alpha^3\beta^1\beta^2\omega^4 + 3311378i\alpha^3\beta^1\beta^2\omega^3 - \\
& 145128\alpha^3\beta^1\beta^3\omega^4 - 695457i\alpha^3\beta^1\beta^3\omega^5/5 - 717374\alpha^3\beta^1\beta^3\omega^4 + \\
& 4849268i\alpha^3\beta^1\beta^3\omega^3 + 3082461\alpha^3\beta^1\beta^3\omega^6/100 - 1709663i\alpha^3\beta^1\beta^3\omega^5/5 - \\
& 15876166\alpha^3\beta^1\beta^3\omega^4/5 + 12179578i\alpha^3\beta^1\beta^3\omega^3 + 39806653\alpha^3\beta^1\beta^3\omega^2 + 81240\alpha^3\beta^1\beta^3\omega^4 - \\
& 61170\alpha^3\beta^1\beta^2\beta^3\omega^4 + 187906i\alpha^3\beta^1\beta^2\omega^5/5 - 89812\alpha^3\beta^1\beta^2\omega^4 + \\
& 434844i\alpha^3\beta^1\beta^2\omega^3 - 341148\alpha^3\beta^1\beta^2\beta^3\omega^4 - 1237804i\alpha^3\beta^1\beta^2\beta^3\omega^5/5 - \\
& 1616180\alpha^3\beta^1\beta^2\beta^3\omega^4 + 10453168i\alpha^3\beta^1\beta^2\beta^3\omega^3 + 1585917\alpha^3\beta^1\beta^2\omega^6/50 - \\
& 2858252i\alpha^3\beta^1\beta^2\omega^5/5 - 28364989\alpha^3\beta^1\beta^2\omega^4/5 + 26143250i\alpha^3\beta^1\beta^2\omega^3 +
\end{aligned}$$

$78440166 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 154544 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 - 1117712 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 / 5 -$
 $1138952 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 + 7782126 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^3 + 2457552 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6 / 25 -$
 $1078505 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 - 50410588 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 / 5 + 38708488 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^3 +$
 $127674302 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^2 + 1592989 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7 / 125 + 11702471 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 / 50 -$
 $72221753 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 / 25 - 101428809 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 / 5 + 532686324 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 / 5 + 323955514 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 -$
 $683427710 \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 12595 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 + 85416 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 117319 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 / 5 +$
 $263656 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 - 1116856 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 - 73317 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 35726 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 / 5 -$
 $330082 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 1295166 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 - 605973 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6 / 50 +$
 $834941 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 / 10 - 178962 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 / 5 + 3039752 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 + 2962477 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 -$
 $186268 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 - 2101089 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 / 10 - 1301298 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 +$
 $8200754 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 655171 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 / 10 - 4838229 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 / 5 -$
 $9037244 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 40182444 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 118603548 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^2 +$
 $4644549 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^7 / 1000 + 13352903 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6 / 100 - 203883467 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 / 100 -$
 $169402279 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 / 10 + 919150299 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 / 10 + 307101228 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 - 553595220 \cdot \alpha^2 \cdot \beta^2 \cdot \omega -$
 $55704 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 562838 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 / 5 - 556390 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 + 3808272 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 +$
 $3841461 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6 / 50 - 4110364 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 / 5 - 37837571 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 / 5 +$
 $28670860 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 + 94665565 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 + 10483557 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^7 / 500 + 1829131 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6 / 5 -$
 $110382679 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 / 25 - 153082726 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 / 5 + 159486704 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 + 481237382 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $1015864420 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 936317 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^8 / 500 + 23999917 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^7 / 500 + 95241129 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6 / 125 -$
 $188329192 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 / 25 - 5465302851 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 / 100 + 562959515 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 / 2 + 10670840353 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 / 10 -$
 $2638262690 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 3971375874 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 43965 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 494489 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 - 45096 \cdot \alpha^2 \cdot \beta^3 \cdot \omega -$
 $529179 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 - 464285 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 1726910 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 7043793 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $678502 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 1190284 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 1767516 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 28263888 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $4475021 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 5075034 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 28263888 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 28263888 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $98603 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 1194364 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 2426087 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 2426087 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $4060824 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 14660304 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 959882 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 959882 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $986108 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 5868814 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 31874610 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 31874610 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $24240893 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 15174421 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 120833693 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 120833693 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $97994580 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 245035269 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 299552 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 299552 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $1292580 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 1417326 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 7418003 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 7418003 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $3676643 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 23681916 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 841947 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 841947 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $3304328 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 7764644 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 9411976 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 9411976 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $51712932 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 1877176 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 10011681 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 10011681 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $10396006 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 64692852 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 50719553 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 50719553 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $27293946 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 235175411 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 177956134 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 177956134 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $536866495 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 144202 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 747353 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 747353 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $2729371 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 2778375 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 7725805 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 7725805 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $1803814 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 8457311 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 10914508 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 10914508 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $57007512 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 9665734 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 5190142 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 5190142 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $208033673 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 176132178 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 420589330 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 420589330 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $644278 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 11107399 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 6044908 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 6044908 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $36415184 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 58656359 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 6653204 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 6653204 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $282177822 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 217344702 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 634260503 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 634260503 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $97943471 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 85682861 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 1917092351 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 1917092351 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $1299222289 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 3148494742 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 1866395528 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 1866395528 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $3471947180 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 52980 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 397596 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 397596 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $1017451 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 939962 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 6453930 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 6453930 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $648541 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 1785520 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 8686907 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 8686907 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $4587311 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 29711608 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 884608 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 884608 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $4768447 \cdot \alpha^2 \cdot \beta^3 \cdot \omega - 4562882 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 - 30957216 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 30957216 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$

24469093* α^2 * α^3 * β^1 * $\omega^6/100$ - 12035478*i* α^2 * α^3 * β^1 * $\omega^5/5$ - 21896138* α^2 * α^3 * β^1 * ω^4 +
 78879904*i* α^2 * α^3 * β^1 * ω^3 + 263399887* α^2 * α^3 * β^1 * ω^2 - 106696* α^2 * α^3 * β^1 * β^2 * ω^4 -
 1655234* α^2 * α^3 * β^1 * β^2 * β^3 * ω^4 - 3275497*i* α^2 * α^3 * β^1 * β^2 * $\omega^5/5$ - 4608444* α^2 * α^3 * β^1 * β^2 * ω^4 +
 24908854*i* α^2 * α^3 * β^1 * β^2 * ω^3 - 2373504* α^2 * α^3 * β^1 * β^2 * β^3 * ω^4 - 11655632*i* α^2 * α^3 * β^1 * β^2 * β^3 * $\omega^5/5$ -
 12800550* α^2 * α^3 * β^1 * β^2 * β^3 * ω^4 + 79833906*i* α^2 * α^3 * β^1 * β^2 * β^3 * ω^3 + 2671879* α^2 * α^3 * β^1 * β^2 * $\omega^6/5$ -
 6218025*i* α^2 * α^3 * β^1 * β^2 * ω^5 - 273688031* α^2 * α^3 * β^1 * β^2 * $\omega^4/5$ + 216407510*i* α^2 * α^3 * β^1 * β^2 * ω^3 +
 651698780* α^2 * α^3 * β^1 * β^2 * ω^2 - 760672* α^2 * α^3 * β^1 * β^3 * ω^4 - 6440792*i* α^2 * α^3 * β^1 * β^3 * $\omega^5/5$ -
 6377104* α^2 * α^3 * β^1 * β^3 * ω^4 + 42101018*i* α^2 * α^3 * β^1 * β^3 * ω^3 + 33890389* α^2 * α^3 * β^1 * β^3 * $\omega^6/50$ -
 34648562*i* α^2 * α^3 * β^1 * β^3 * $\omega^5/5$ - 62152027* α^2 * α^3 * β^1 * β^3 * ω^4 + 228526212*i* α^2 * α^3 * β^1 * β^3 * ω^3 +
 742115826* α^2 * α^3 * β^1 * β^3 * ω^2 + 55934867*i* α^2 * α^3 * β^1 * $\omega^7/500$ + 88863887* α^2 * α^3 * β^1 * $\omega^6/50$ -
 510510436*i* α^2 * α^3 * β^1 * $\omega^5/25$ - 670501371* α^2 * α^3 * β^1 * $\omega^4/5$ + 3404507486*i* α^2 * α^3 * β^1 * $\omega^3/5$ +
 1984280522* α^2 * α^3 * β^1 * ω^2 - 4209990618*i* α^2 * α^3 * β^1 * ω + 39029* α^2 * α^3 * β^2 * ω^4 -
 40272* α^2 * α^3 * β^2 * β^3 * ω^4 - 58552*i* α^2 * α^3 * β^2 * $\omega^5/5$ - 323076* α^2 * α^3 * β^2 * ω^4 -
 486834*i* α^2 * α^3 * β^2 * ω^3 - 914259* α^2 * α^3 * β^2 * β^3 * ω^4 - 3605886*i* α^2 * α^3 * β^2 * β^3 * $\omega^5/5$ -
 5469680* α^2 * α^3 * β^2 * β^3 * ω^4 + 26796124*i* α^2 * α^3 * β^2 * β^3 * ω^3 + 7135819* α^2 * α^3 * β^2 * $\omega^6/50$ -
 4353827*i* α^2 * α^3 * β^2 * $\omega^5/2$ - 90901971* α^2 * α^3 * β^2 * $\omega^4/5$ + 83514252*i* α^2 * α^3 * β^2 * ω^3 +
 184183047* α^2 * α^3 * β^2 * ω^2 - 874028* α^2 * α^3 * β^2 * β^3 * ω^4 - 13431813*i* α^2 * α^3 * β^2 * β^3 * $\omega^5/10$ -
 7709208* α^2 * α^3 * β^2 * β^3 * ω^4 + 46009320*i* α^2 * α^3 * β^2 * β^3 * ω^3 + 31804363* α^2 * α^3 * β^2 * β^3 * $\omega^6/50$ -
 38669808*i* α^2 * α^3 * β^2 * β^3 * $\omega^5/5$ - 331491908* α^2 * α^3 * β^2 * β^3 * $\omega^4/5$ + 266515624*i* α^2 * α^3 * β^2 * β^3 * ω^3 +
 766570986* α^2 * α^3 * β^2 * β^3 * ω^2 + 95281209*i* α^2 * α^3 * β^2 * $\omega^7/1000$ + 179479047* α^2 * α^3 * β^2 * $\omega^6/100$ -
 2088769729*i* α^2 * α^3 * β^2 * $\omega^5/100$ - 1477876441* α^2 * α^3 * β^2 * $\omega^4/10$ + 7291069483*i* α^2 * α^3 * β^2 * $\omega^3/10$ +
 2227747862* α^2 * α^3 * β^2 * ω^2 - 4065988268*i* α^2 * α^3 * β^2 * ω - 170948* α^2 * α^3 * β^3 * ω^4 -
 2282896*i* α^2 * α^3 * β^3 * $\omega^5/5$ - 2361530* α^2 * α^3 * β^3 * ω^4 + 14876224*i* α^2 * α^3 * β^3 * ω^3 +
 3925493* α^2 * α^3 * β^3 * $\omega^6/10$ - 21003034*i* α^2 * α^3 * β^3 * $\omega^5/5$ - 184061188* α^2 * α^3 * β^3 * $\omega^4/5$ +
 137711600*i* α^2 * α^3 * β^3 * ω^3 + 430934727* α^2 * α^3 * β^3 * ω^2 + 6836517*i* α^2 * α^3 * β^3 * $\omega^7/50$ +
 22674601* α^2 * α^3 * β^3 * $\omega^6/10$ - 258154891*i* α^2 * α^3 * β^3 * $\omega^5/10$ - 859275071* α^2 * α^3 * β^3 * $\omega^4/5$ +
 860403702*i* α^2 * α^3 * β^3 * ω^3 + 2518396774* α^2 * α^3 * β^3 * ω^2 - 5160460574*i* α^2 * α^3 * β^3 * ω -
 20881143* α^2 * α^3 * $\omega^8/1250$ + 47448091*i* α^2 * α^3 * $\omega^7/125$ + 2702906571* α^2 * α^3 * $\omega^6/500$ -
 1243426373*i* α^2 * α^3 * $\omega^5/25$ - 34041795291* α^2 * α^3 * $\omega^4/100$ + 16752378191*i* α^2 * α^3 * $\omega^3/10$ +
 61388375679* α^2 * α^3 * $\omega^2/10$ - 14702570672*i* α^2 * α^3 * ω - 22008617014* α^2 * α^3 - 3248*i* α^2 * β^1 * ω^5 -
 36944*i* α^2 * β^1 * β^2 * ω^5 - 31908*i* α^2 * β^1 * β^3 * ω^5 + 88058* α^2 * β^1 * $\omega^6/5$ - 78056*i* α^2 * β^1 * ω^5 -
 550188* α^2 * β^1 * ω^4 - 106139*i* α^2 * β^1 * β^2 * ω^5 - 247576*i* α^2 * β^1 * β^2 * β^3 * ω^5 +
 1233947* α^2 * β^1 * β^2 * $\omega^6/10$ - 598981*i* α^2 * β^1 * β^2 * ω^5 - 4200804* α^2 * β^1 * β^2 * ω^4 -
 111616*i* α^2 * β^1 * β^3 * ω^5 + 611764* α^2 * β^1 * β^3 * $\omega^6/5$ - 555748*i* α^2 * β^1 * β^3 * ω^5 -
 3933654* α^2 * β^1 * β^3 * ω^4 + 3190103*i* α^2 * β^1 * β^3 * $\omega^7/100$ + 1479798* α^2 * β^1 * β^3 * $\omega^6/5$ -
 13855779*i* α^2 * β^1 * $\omega^5/5$ - 9663280* α^2 * β^1 * ω^4 + 33876937*i* α^2 * β^1 * ω^3 -
 45996*i* α^2 * β^1 * β^2 * ω^5 - 433327*i* α^2 * β^1 * β^2 * β^3 * ω^5 + 1771013* α^2 * β^1 * β^2 * $\omega^6/10$ -
 1113144*i* α^2 * β^1 * β^2 * ω^5 - 7301735* α^2 * β^1 * β^2 * ω^4 - 550446*i* α^2 * β^1 * β^2 * β^3 * ω^5 +
 1089535* α^2 * β^1 * β^2 * β^3 * $\omega^6/2$ - 2776593*i* α^2 * β^1 * β^2 * β^3 * ω^5 - 19144930* α^2 * β^1 * β^2 * β^3 * ω^4 +
 2523517*i* α^2 * β^1 * β^2 * $\omega^7/20$ + 13595663* α^2 * β^1 * β^2 * $\omega^6/10$ - 127176937*i* α^2 * β^1 * β^2 * $\omega^5/10$ -
 48073473* α^2 * β^1 * β^2 * ω^4 + 162602194*i* α^2 * β^1 * β^2 * ω^3 - 167604*i* α^2 * β^1 * β^3 * ω^5 +
 1402694* α^2 * β^1 * β^3 * $\omega^6/5$ - 1314976*i* α^2 * β^1 * β^3 * ω^5 - 9229268* α^2 * β^1 * β^3 * ω^4 +
 14725063*i* α^2 * β^1 * β^3 * $\omega^7/100$ + 7099172* α^2 * β^1 * β^3 * $\omega^6/5$ - 13251459*i* α^2 * β^1 * β^3 * ω^5 -
 47168586* α^2 * β^1 * β^3 * ω^4 + 163843895*i* α^2 * β^1 * β^3 * ω^3 - 12174791* α^2 * β^1 * $\omega^8/500$ +
 36410257*i* α^2 * β^1 * $\omega^7/100$ + 428120909* α^2 * β^1 * $\omega^6/100$ - 137152777*i* α^2 * β^1 * $\omega^5/5$ -
 1438994079* α^2 * β^1 * $\omega^4/10$ + 412045654*i* α^2 * β^1 * ω^3 + 943197839* α^2 * β^1 * ω^2 +
 45201*i* α^2 * β^1 * β^2 * ω^5 - 139924*i* α^2 * β^1 * β^2 * β^3 * ω^5 + 17427* α^2 * β^1 * β^2 * β^3 * $\omega^6/5$ -
 321230*i* α^2 * β^1 * β^2 * ω^5 - 1703650* α^2 * β^1 * β^2 * ω^4 - 600823*i* α^2 * β^1 * β^2 * β^3 * ω^5 +
 2450227* α^2 * β^1 * β^2 * β^3 * $\omega^6/5$ - 3057726*i* α^2 * β^1 * β^2 * β^3 * ω^5 - 19481204* α^2 * β^1 * β^2 * β^3 * ω^4 +
 4082201*i* α^2 * β^1 * β^2 * $\omega^7/50$ + 12242407* α^2 * β^1 * β^2 * $\omega^6/10$ - 58159706*i* α^2 * β^1 * β^2 * $\omega^5/5$ -

$$\begin{aligned}
& 51268050 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^4 + 155325177 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^3 - 488676 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 + \\
& 1502025 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/2 - 3886688 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 26102484 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + \\
& 17596407 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/50 + 19294441 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - 35680520 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - \\
& 137073410 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 450539946 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 - 49735653 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^8/1000 + \\
& 88613833 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^7/100 + 214866263 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^6/20 - 746719139 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^5/10 - \\
& 780768749 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^4/2 + 1181234208 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^3 + 2524282140 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^2 - \\
& 100984 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 + 245762 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6 - 1180838 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 - \\
& 8059410 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 + 10158291 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^7/50 + 10043002 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6/5 - \\
& 18489320 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 - 66841936 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 + 226723255 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^3 - \\
& 34450997 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^8/500 + 26460783 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^7/25 + 310102607 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6/25 - \\
& 403207591 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5/5 - 2097663587 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4/5 + 1212839980 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^3 + \\
& 2712333584 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^2 - 4065387 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^9/500 - 43565493 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/250 + \\
& 314421857 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/125 + 1140326459 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/50 - 3180403917 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5/20 - \\
& 1560921613 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/2 + 29599328077 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/10 + 7109691246 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - \\
& 11760122420 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 6206 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 + 50067 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 23479 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6/2 + \\
& 142437 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 + 701087 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 - 85766 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 + 106088 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - \\
& 487236 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 1890864 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 - 280107 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/100 + \\
& 317237 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - 3834263 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/5 - 5859482 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 8725290 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 - \\
& 248743 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 + 3131821 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - 2002004 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - \\
& 11867201 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 5720037 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/50 + 16566347 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - \\
& 74016309 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/5 - 65273350 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 184857631 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 - \\
& 2350931 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^8/200 + 28330061 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^7/100 + 384799569 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6/100 - \\
& 305807817 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5/10 - 800528804 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4/5 + 524207482 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 + \\
& 931776428 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 - 129606 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 + 2956909 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - \\
& 1555638 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 9976382 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 1105959 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 + \\
& 24775811 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - 221411653 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/10 - 85704748 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + \\
& 270246982 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 - 66112873 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/1000 + 118304737 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/100 + \\
& 1400520271 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/100 - 195238429 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/2 - 5001649599 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4/10 + \\
& 1514327806 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 3107229062 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^2 - 33298949 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^9/5000 - \\
& 21175831 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^8/125 + 651792593 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^7/250 + 638659523 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6/25 - \\
& 913543437 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5/5 - 9358086591 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4/10 + 35132490597 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3/10 + \\
& 8653351614 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 - 12904648944 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega - 12864 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 + 292042 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6/5 - \\
& 293430 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 - 1850472 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 + 3803569 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^7/50 + 3894726 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6/5 - \\
& 34634402 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5/5 - 25387424 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 + 81914305 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - \\
& 8475243 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^8/200 + 16780003 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^7/25 + 386095089 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6/50 - \\
& 253286513 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5/5 - 1292062831 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4/5 + 749504890 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 + \\
& 1613486289 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 - 26546591 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^9/2500 - 23257741 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^8/100 + \\
& 332732431 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^7/100 + 1519281549 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^6/50 - 21027379199 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5/100 - \\
& 10337729579 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4/10 + 7738472353 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3/2 + 9270912162 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 - \\
& 14822648658 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega + 243109 \cdot \alpha^2 \cdot \omega^{10}/250 - 17356618 \cdot i \cdot \alpha^2 \cdot \omega^9/625 - 2421385611 \cdot \alpha^2 \cdot \omega^8/5000 + \\
& 1122716973 \cdot i \cdot \alpha^2 \cdot \omega^7/200 + 49079735531 \cdot \alpha^2 \cdot \omega^6/1000 - 32561092553 \cdot i \cdot \alpha^2 \cdot \omega^5/100 - \\
& 169496012271 \cdot \alpha^2 \cdot \omega^4/100 + 67248723711 \cdot i \cdot \alpha^2 \cdot \omega^3/10 + 202588144531 \cdot \alpha^2 \cdot \omega^2/10 - 41230153784 \cdot i \cdot \alpha^2 \cdot \omega - \\
& 51892469692 \cdot \alpha^2 - 18483 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^6 - 281406 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^5 \cdot \beta^1 \cdot \omega - 29888 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^5 \cdot \beta^2 \cdot \omega - 229330 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^5 \cdot \beta^3 \cdot \omega + \\
& 565438 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^2/5 - 864020 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega - 3544148 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega + 568174 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 + \\
& 919634 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 + 1189914 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \beta^3 \cdot \omega^2 + 3303684 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3/5 + \\
& 3788946 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 - 20822966 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega - 55850 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^2 + 725688 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \beta^3 \cdot \omega^2 + \\
& 1623763 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^3/5 + 2790947 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^2 - 10222846 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega + 474255 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^2 + \\
& 2853556 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^3/5 + 3518310 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^2 - 18435488 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega - \\
& 15687869 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^4/100 + 20263703 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^3/10 + 159565559 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^2/10 - 64737167 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega - \\
& 159718623 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega + 350692 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 1584432 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 \cdot \beta^2 \cdot \omega^3 +
\end{aligned}$$

$$\begin{aligned}
& 1515156*i^2*\alpha^3*\beta^1^2*\beta^3*\omega^3 - 837191*\alpha^2*\alpha^3*\beta^1^2*\omega^4 + 4048402*i^2*\alpha^3*\beta^1^2*\omega^3 + \\
& 26409836*\alpha^2*\alpha^3*\beta^1^2*\omega^2 + 1040832*i^2*\alpha^3*\beta^1*\beta^2^2*\omega^3 + 3260144*i^2*\alpha^3*\beta^1*\beta^2*\beta^3*\omega^3 - \\
& 8599824*\alpha^2*\alpha^3*\beta^1*\beta^2*\omega^4/5 + 10386270*i^2*\alpha^3*\beta^1*\beta^2*\omega^3 + 55756884*\alpha^2*\alpha^3*\beta^1*\beta^2*\omega^2 + \\
& 1598468*i^2*\alpha^3*\beta^1*\beta^3^2*\omega^3 - 9469887*\alpha^2*\alpha^3*\beta^1*\beta^3*\omega^4/5 + 10039066*i^2*\alpha^3*\beta^1*\beta^3*\omega^3 + \\
& 60522668*\alpha^2*\alpha^3*\beta^1*\beta^3*\omega^2 - 26286429*i^2*\alpha^3*\beta^1*\omega^5/50 - 28402089*\alpha^2*\alpha^3*\beta^1*\omega^4/5 + \\
& 240317107*i^2*\alpha^3*\beta^1*\omega^3/5 + 181362606*\alpha^2*\alpha^3*\beta^1*\omega^2 - 539971810*i^2*\alpha^3*\beta^1*\omega - \\
& 151140*i^2*\alpha^3*\beta^2^3*\omega^3 + 752640*i^2*\alpha^3*\beta^2^2*\beta^3*\omega^3 - 1468123*\alpha^2*\alpha^3*\beta^2^2*\omega^4/5 + \\
& 3078286*i^2*\alpha^3*\beta^2^2*\omega^3 + 9095294*\alpha^2*\alpha^3*\beta^2^2*\omega^2 + 1350992*i^2*\alpha^3*\beta^2*\beta^3^2*\omega^3 - \\
& 1481204*\alpha^2*\alpha^3*\beta^2*\beta^3*\omega^4 + 9678690*i^2*\alpha^3*\beta^2*\beta^3*\omega^3 + 49014024*\alpha^2*\alpha^3*\beta^2*\beta^3*\omega^2 - \\
& 19040397*i^2*\alpha^3*\beta^2*\omega^5/50 - 26120418*\alpha^2*\alpha^3*\beta^2*\omega^4/5 + 40983723*i^2*\alpha^3*\beta^2*\omega^3 + \\
& 171610252*\alpha^2*\alpha^3*\beta^2*\omega^2 - 404383586*i^2*\alpha^3*\beta^2*\omega + 366704*i^2*\alpha^3*\beta^3^3*\omega^3 - \\
& 3976061*\alpha^2*\alpha^3*\beta^3^2*\omega^4/5 + 4554070*i^2*\alpha^3*\beta^3^2*\omega^3 + 25837564*\alpha^2*\alpha^3*\beta^3^2*\omega^2 - \\
& 2439807*i^2*\alpha^3*\beta^3*\omega^5/5 - 28558296*\alpha^2*\alpha^3*\beta^3*\omega^4/5 + 237029804*i^2*\alpha^3*\beta^3*\omega^3/5 + \\
& 183600428*\alpha^2*\alpha^3*\beta^3*\omega^2 - 515564456*i^2*\alpha^3*\beta^3*\omega + 11433414*\alpha^2*\alpha^3*\omega^6/125 - \\
& 40914713*i^2*\alpha^3*\omega^5/25 - 450951931*\alpha^2*\alpha^3*\omega^4/25 + 609112843*i^2*\alpha^3*\omega^3/5 + \\
& 2909025394*\alpha^2*\alpha^3*\omega^2/5 - 1711111654*i^2*\alpha^3*\omega - 3118733266*\alpha^2*\alpha^3 - 94148*\alpha^2*\alpha^2*\beta^1^4*\omega^4 - \\
& 762244*\alpha^2*\alpha^2*\beta^1^3*\beta^2*\omega^4 - 646268*\alpha^2*\alpha^2*\beta^1^3*\beta^3*\omega^4 - 1803012*i^2*\alpha^3*\beta^1^3*\omega^5/5 - \\
& 1618228*\alpha^2*\alpha^2*\beta^1^3*\omega^4 + 11292852*i^2*\alpha^3*\beta^1^3*\omega^3 - 1466133*\alpha^2*\alpha^2*\beta^1^2*\beta^2^2*\omega^4 - \\
& 3185416*\alpha^2*\alpha^2*\beta^1^2*\beta^2*\beta^3*\omega^4 - 16825403*i^2*\alpha^3*\beta^1^2*\beta^2*\omega^5/10 - 8467481*\alpha^2*\alpha^2*\beta^1^2*\beta^2*\omega^4 + \\
& 54911736*i^2*\alpha^3*\beta^1^2*\beta^2*\omega^3 - 1365596*\alpha^2*\alpha^2*\beta^1^2*\beta^3^2*\omega^4 - 7862911*i^2*\alpha^3*\beta^1^2*\beta^3*\omega^5/5 - \\
& 7413966*\alpha^2*\alpha^2*\beta^1^2*\beta^3*\omega^4 + 50089800*i^2*\alpha^3*\beta^1^2*\beta^3*\omega^3 + 43028179*\alpha^2*\alpha^2*\beta^1^2*\omega^6/100 - \\
& 4121678*i^2*\alpha^3*\beta^1^2*\omega^5 - 185930957*\alpha^2*\alpha^2*\beta^1^2*\omega^4/5 + 131693196*i^2*\alpha^3*\beta^1^2*\omega^3 + \\
& 441742515*\alpha^2*\alpha^2*\beta^1^2*\omega^2 - 446010*\alpha^2*\alpha^2*\beta^1*\beta^2^3*\omega^4 - 2961544*\alpha^2*\alpha^2*\beta^1*\beta^2^2*\beta^3*\omega^4 - \\
& 7223883*i^2*\alpha^3*\beta^1*\beta^2^2*\omega^5/5 - 9448972*\alpha^2*\alpha^2*\beta^1*\beta^2^2*\omega^4 + 49222058*i^2*\alpha^3*\beta^1*\beta^2^2*\omega^3 - \\
& 3384892*\alpha^2*\alpha^2*\beta^1*\beta^2*\beta^3^2*\omega^4 - 18911276*i^2*\alpha^3*\beta^1*\beta^2*\beta^3*\omega^5/5 - 20834708*\alpha^2*\alpha^2*\beta^1*\beta^2*\beta^3*\omega^4 + \\
& 124349238*i^2*\alpha^3*\beta^1*\beta^2*\beta^3*\omega^3 + 24746156*\alpha^2*\alpha^2*\beta^1*\beta^2*\omega^6/25 - 56089303*i^2*\alpha^3*\beta^1*\beta^2*\omega^5/5 - \\
& 476570426*\alpha^2*\alpha^2*\beta^1*\beta^2*\omega^4/5 + 369725774*i^2*\alpha^3*\beta^1*\beta^2*\omega^3 + 1087465452*\alpha^2*\alpha^2*\beta^1*\beta^2*\omega^2 - \\
& 903816*\alpha^2*\alpha^2*\beta^1*\beta^3^3*\omega^4 - 8743251*i^2*\alpha^3*\beta^1*\beta^3^2*\omega^5/5 - 8919906*\alpha^2*\alpha^2*\beta^1*\beta^3^2*\omega^4 + \\
& 56234940*i^2*\alpha^3*\beta^1*\beta^3^2*\omega^3 + 1026145*\alpha^2*\alpha^2*\beta^1*\beta^3*\omega^6 - 53024796*i^2*\alpha^3*\beta^1*\beta^3*\omega^5/5 - \\
& 92599781*\alpha^2*\alpha^2*\beta^1*\beta^3*\omega^4 + 340855334*i^2*\alpha^3*\beta^1*\beta^3*\omega^3 + 1074445910*\alpha^2*\alpha^2*\beta^1*\beta^3*\omega^2 + \\
& 46869541*i^2*\alpha^3*\beta^1*\omega^7/250 + 147612797*\alpha^2*\alpha^2*\beta^1*\omega^6/50 - 165520269*i^2*\alpha^3*\beta^1*\omega^5/5 - \\
& 1075102216*\alpha^2*\alpha^2*\beta^1*\omega^4/5 + 5361646453*i^2*\alpha^3*\beta^1*\omega^3/5 + 3098004336*\alpha^2*\alpha^2*\beta^1*\omega^2 - \\
& 6472832436*i^2*\alpha^3*\beta^1*\omega + 107598*\alpha^2*\alpha^2*\beta^2^4*\omega^4 - 244016*\alpha^2*\alpha^2*\beta^2^3*\beta^3*\omega^4 - \\
& 350016*i^2*\alpha^3*\beta^2^3*\omega^5/5 - 1236104*\alpha^2*\alpha^2*\beta^2^3*\omega^4 + 1667768*i^2*\alpha^3*\beta^2^3*\omega^3 - \\
& 1256822*\alpha^2*\alpha^2*\beta^2^2*\beta^3^2*\omega^4 - 6119914*i^2*\alpha^3*\beta^2^2*\beta^3*\omega^5/5 - 8801004*\alpha^2*\alpha^2*\beta^2^2*\beta^3*\omega^4 + \\
& 42249188*i^2*\alpha^3*\beta^2^2*\beta^3*\omega^3 + 14423961*\alpha^2*\alpha^2*\beta^2^2*\omega^6/50 - 21645639*i^2*\alpha^3*\beta^2^2*\omega^5/5 - \\
& 340112439*\alpha^2*\alpha^2*\beta^2^2*\omega^4/10 + 149283661*i^2*\alpha^3*\beta^2^2*\omega^3 + 327663440*\alpha^2*\alpha^2*\beta^2^2*\omega^2 - \\
& 873556*\alpha^2*\alpha^2*\beta^2*\beta^3^3*\omega^4 - 16642649*i^2*\alpha^3*\beta^2*\beta^3^2*\omega^5/10 - 9812430*\alpha^2*\alpha^2*\beta^2*\beta^3^2*\omega^4 + \\
& 55299930*i^2*\alpha^3*\beta^2*\beta^3^2*\omega^3 + 23350986*\alpha^2*\alpha^2*\beta^2*\beta^3*\omega^6/25 - 57125497*i^2*\alpha^3*\beta^2*\beta^3*\omega^5/5 - \\
& 474951614*\alpha^2*\alpha^2*\beta^2*\beta^3*\omega^4/5 + 377430620*i^2*\alpha^3*\beta^2*\beta^3*\omega^3 + 1042243114*\alpha^2*\alpha^2*\beta^2*\beta^3*\omega^2 + \\
& 81483991*i^2*\alpha^3*\beta^2*\omega^7/500 + 12241493*\alpha^2*\alpha^2*\beta^2*\omega^6/4 - 857458809*i^2*\alpha^3*\beta^2*\omega^5/25 - \\
& 2374190883*\alpha^2*\alpha^2*\beta^2*\omega^4/10 + 11398553157*i^2*\alpha^3*\beta^2*\omega^3/10 + 3410852535*\alpha^2*\alpha^2*\beta^2*\omega^2 - \\
& 6075130773*i^2*\alpha^3*\beta^2*\omega - 106380*\alpha^2*\alpha^2*\beta^3^4*\omega^4 - 432030*i^2*\alpha^3*\beta^3^3*\omega^5 - \\
& 2416042*\alpha^2*\alpha^2*\beta^3^3*\omega^4 + 13913008*i^2*\alpha^3*\beta^3^3*\omega^3 + 45898331*\alpha^2*\alpha^2*\beta^3^2*\omega^6/100 - \\
& 25657903*i^2*\alpha^3*\beta^3^2*\omega^5/5 - 217787373*\alpha^2*\alpha^2*\beta^3^2*\omega^4/5 + 165046012*i^2*\alpha^3*\beta^3^2*\omega^3 + \\
& 487367148*\alpha^2*\alpha^2*\beta^3^2*\omega^2 + 23282593*i^2*\alpha^3*\beta^3*\omega^7/125 + 157990383*\alpha^2*\alpha^2*\beta^3*\omega^6/50 - \\
& 1764930061*i^2*\alpha^3*\beta^3*\omega^5/50 - 1171809507*\alpha^2*\alpha^2*\beta^3*\omega^4/5 + 5738077409*i^2*\alpha^3*\beta^3*\omega^3/5 + \\
& 3335987832*\alpha^2*\alpha^2*\beta^3*\omega^2 - 6571070300*i^2*\alpha^3*\beta^3*\omega - 32430019*\alpha^2*\alpha^2*\omega^8/1250 + \\
& 593672479*i^2*\alpha^3*\omega^7/1000 + 8269665601*\alpha^2*\alpha^2*\omega^6/1000 - 7517748519*i^2*\alpha^3*\omega^5/100 - \\
& 50521944537*\alpha^2*\alpha^2*\omega^4/100 + 12270827962*i^2*\alpha^3*\omega^3/5 + 44177469761*\alpha^2*\alpha^2*\omega^2/5 -
\end{aligned}$$

20892863719*i^2*a^3^2*w - 30520643983*a^2*a^3^2 - 11480*i^2*a^3^2*b^1^5*w^5 - 141936*i^2*a^3^2*b^1^4*b^2*w^5 - 110472*i^2*a^3^2*b^1^4*b^3*w^5 + 314934*a^2*a^3^2*b^1^4*w^6/5 - 272220*i^2*a^3^2*b^1^4*w^5 - 1950052*a^2*a^3^2*b^1^4*w^4 - 491344*i^2*a^3^2*b^1^3*b^2^2*w^5 - 936572*i^2*a^3^2*b^1^3*b^2*b^3*w^5 + 2490809*a^2*a^3^2*b^1^3*b^2*w^6/5 - 2303722*i^2*a^3^2*b^1^3*b^2*w^5 - 16156512*a^2*a^3^2*b^1^3*b^2*w^4 - 369440*i^2*a^3^2*b^1^3*b^3^2*w^5 + 426626*a^2*a^3^2*b^1^3*b^3*w^6 - 1896656*i^2*a^3^2*b^1^3*b^3*w^5 - 13454256*a^2*a^3^2*b^1^3*b^3*w^4 + 2928269*i^2*a^3^2*b^1^3*w^7/25 + 5268674*a^2*a^3^2*b^1^3*w^6/5 - 9806260*i^2*a^3^2*b^1^3*w^5 - 33535784*a^2*a^3^2*b^1^3*w^4 + 118515952*i^2*a^3^2*b^1^3*w^3 - 486538*i^2*a^3^2*b^1^2*b^2^3*w^5 - 1958286*i^2*a^3^2*b^1^2*b^2^2*b^3*w^5 + 4852776*a^2*a^3^2*b^1^2*b^2^2*w^6/5 - 5224868*i^2*a^3^2*b^1^2*b^2^2*w^5 - 33664640*a^2*a^3^2*b^1^2*b^2^2*w^4 - 1926860*i^2*a^3^2*b^1^2*b^2*b^3^2*w^5 + 10517304*a^2*a^3^2*b^1^2*b^2*b^3*w^6/5 - 10292666*i^2*a^3^2*b^1^2*b^2*b^3*w^5 - 69521402*a^2*a^3^2*b^1^2*b^2*b^3*w^4 + 27283653*i^2*a^3^2*b^1^2*b^2*w^7/50 + 27356574*a^2*a^3^2*b^1^2*b^2*w^6/5 - 248780273*i^2*a^3^2*b^1^2*b^2*w^5/5 - 180994034*a^2*a^3^2*b^1^2*b^2*w^4 + 606522118*i^2*a^3^2*b^1^2*b^2*w^3 - 494608*i^2*a^3^2*b^1^2*b^3^3*w^5 + 4511546*a^2*a^3^2*b^1^2*b^3^2*w^6/5 - 4199944*i^2*a^3^2*b^1^2*b^3^2*w^5 - 28934860*a^2*a^3^2*b^1^2*b^3^2*w^4 + 25643641*i^2*a^3^2*b^1^2*b^3*w^7/50 + 4842887*a^2*a^3^2*b^1^2*b^3*w^6 - 222006774*i^2*a^3^2*b^1^2*b^3*w^5/5 - 155827414*a^2*a^3^2*b^1^2*b^3*w^4 + 535655370*i^2*a^3^2*b^1^2*b^3*w^3 - 46027087*a^2*a^3^2*b^1^2*w^8/500 + 66219579*i^2*a^3^2*b^1^2*w^7/50 + 761093007*a^2*a^3^2*b^1^2*w^6/50 - 477051133*i^2*a^3^2*b^1^2*w^5/5 - 2468514753*a^2*a^3^2*b^1^2*w^4/5 + 1392273112*i^2*a^3^2*b^1^2*w^3 + 3178691360*a^2*a^3^2*b^1^2*w^2 - 25876*i^2*a^3^2*b^1^2*w^5 - 973012*i^2*a^3^2*b^1^2*b^2^3*b^3*w^5 + 1991713*a^2*a^3^2*b^1^2*b^2^3*w^6/5 - 3078328*i^2*a^3^2*b^1^2*b^2^3*w^5 - 15323680*a^2*a^3^2*b^1^2*b^2^3*w^4 - 2114850*i^2*a^3^2*b^1^2*b^2^3*w^5 + 2176146*a^2*a^3^2*b^1^2*b^2^3*w^6 - 12696254*i^2*a^3^2*b^1^2*b^2^3*w^5 - 75214794*a^2*a^3^2*b^1^2*b^2^3*w^4 + 25861377*i^2*a^3^2*b^1^2*b^2^3*w^7/50 + 31783193*a^2*a^3^2*b^1^2*b^2^3*w^6/5 - 273855199*i^2*a^3^2*b^1^2*b^2^3*w^5/5 - 222097642*a^2*a^3^2*b^1^2*b^2^3*w^4 + 644357754*i^2*a^3^2*b^1^2*b^2^3*w^3 - 1324148*i^2*a^3^2*b^1^2*b^2^3*w^5 + 11891143*a^2*a^3^2*b^1^2*b^2^3*w^6/5 - 12463536*i^2*a^3^2*b^1^2*b^2^3*w^5 - 78615780*a^2*a^3^2*b^1^2*b^2^3*w^4 + 32564071*i^2*a^3^2*b^1^2*b^2^3*w^7/25 + 69911808*a^2*a^3^2*b^1^2*b^2^3*w^6/5 - 615808524*i^2*a^3^2*b^1^2*b^2^3*w^5/5 - 464697606*a^2*a^3^2*b^1^2*b^2^3*w^4 + 1460829816*i^2*a^3^2*b^1^2*b^2^3*w^3 - 11082983*a^2*a^3^2*b^1^2*b^2^3*w^8/50 + 183748913*i^2*a^3^2*b^1^2*b^2^3*w^7/50 + 2099126721*a^2*a^3^2*b^1^2*b^2^3*w^6/50 - 1401443759*i^2*a^3^2*b^1^2*b^2^3*w^5/5 - 7056821188*a^2*a^3^2*b^1^2*b^2^3*w^4/5 + 4159087662*i^2*a^3^2*b^1^2*b^2^3*w^3 + 8644884856*a^2*a^3^2*b^1^2*b^2^3*w^2 - 212328*i^2*a^3^2*b^1^2*b^3^4*w^5 + 3129822*a^2*a^3^2*b^1^2*b^3^3*w^6/5 - 3138284*i^2*a^3^2*b^1^2*b^3^3*w^5 - 20123336*a^2*a^3^2*b^1^2*b^3^3*w^4 + 5949701*i^2*a^3^2*b^1^2*b^3^3*w^7/10 + 30003398*a^2*a^3^2*b^1^2*b^3^3*w^6/5 - 53299081*i^2*a^3^2*b^1^2*b^3^3*w^5 - 193622186*a^2*a^3^2*b^1^2*b^3^3*w^4 + 628079666*i^2*a^3^2*b^1^2*b^3^3*w^3 - 22831723*a^2*a^3^2*b^1^2*b^3^3*w^8/100 + 87425869*i^2*a^3^2*b^1^2*b^3^3*w^7/25 + 79484551*a^2*a^3^2*b^1^2*b^3^3*w^6/2 - 1278469881*i^2*a^3^2*b^1^2*b^3^3*w^5/5 - 1296573520*a^2*a^3^2*b^1^2*b^3^3*w^4 + 3716030108*i^2*a^3^2*b^1^2*b^3^3*w^3 + 8059469558*a^2*a^3^2*b^1^2*b^3^3*w^2 - 15301751*i^2*a^3^2*b^1^2*w^9/500 - 79468677*a^2*a^3^2*b^1^2*w^8/125 + 4420647919*i^2*a^3^2*b^1^2*w^7/500 + 3915045057*a^2*a^3^2*b^1^2*w^6/50 - 13308005456*i^2*a^3^2*b^1^2*w^5/25 - 12839430457*a^2*a^3^2*b^1^2*w^4/5 + 47741238108*i^2*a^3^2*b^1^2*w^3/5 + 22641021512*a^2*a^3^2*b^1^2*w^2 - 36760245808*i^2*a^3^2*b^1^2*w + 22164*i^2*a^3^2*b^2^5*w^5 + 33676*i^2*a^3^2*b^2^4*b^3*w^5 - 86422*a^2*a^3^2*b^2^4*w^6/5 - 29074*i^2*a^3^2*b^2^4*w^5 + 1074542*a^2*a^3^2*b^2^4*w^4 - 414842*i^2*a^3^2*b^2^3*b^3^2*w^5 + 325368*a^2*a^3^2*b^2^3*b^3*w^6 - 2877950*i^2*a^3^2*b^2^3*b^3*w^5 - 12435840*a^2*a^3^2*b^2^3*b^3*w^4 + 65270*i^2*a^3^2*b^2^3*w^7 + 5850227*a^2*a^3^2*b^2^3*w^6/5 - 47161057*i^2*a^3^2*b^2^3*w^5/5 - 45359642*a^2*a^3^2*b^2^3*w^4 + 86072148*i^2*a^3^2*b^2^3*w^3 - 609572*i^2*a^3^2*b^2^2*b^3^3*w^5 + 5031084*a^2*a^3^2*b^2^2*b^3^2*w^6/5 - 6254348*i^2*a^3^2*b^2^2*b^3^2*w^5 - 34811894*a^2*a^3^2*b^2^2*b^3^2*w^4 + 25028247*i^2*a^3^2*b^2^2*b^3^2*w^7/50 + 32977642*a^2*a^3^2*b^2^2*b^3^2*w^6/5 - 275980589*i^2*a^3^2*b^2^2*b^3^2*w^5/5 - 228600736*a^2*a^3^2*b^2^2*b^3^2*w^4 + 616829370*i^2*a^3^2*b^2^2*b^3^2*w^3 - 39112381*a^2*a^3^2*b^2^2*b^3^2*w^8/500 + 39783057*i^2*a^3^2*b^2^2*b^3^2*w^7/25 + 924534149*a^2*a^3^2*b^2^2*w^6/50 - 133403229*i^2*a^3^2*b^2^2*w^5 - 3246022099*a^2*a^3^2*b^2^2*w^4/5 + 1997353056*i^2*a^3^2*b^2

$18157369 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^9/625 - 69896133 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^8/100 + 1252029238 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^7/125 +$
 $2340174806 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^6/25 - 16008873042 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^5/25 - 15844808039 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^4/5 +$
 $57549251754 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^3/5 + 27582562502 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega^2 - 39836963468 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^2 \cdot \omega -$
 $1800 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^5 + 85512 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^4 - 490704 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^3 - 2656600 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^2 +$
 $3976762 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega - 74104351 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^5/5 - 55582272 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^4 + 165197576 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^3 - 13635953 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^2 +$
 $89563129 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega - 1006534371 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^6/50 - 132221892 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^5 - 3273287416 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^4/5 + 1888647794 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^3 + 3842177614 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^2 -$
 $40492361 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega - 358344841 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^8/500 + 2501419109 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^7/250 + 451172867 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^6/5 - 3052956104 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^5/5 - 14791684043 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^4/5 +$
 $54032899597 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^3/5 + 25516069634 \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega^2 - 39173373052 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \beta^3 \cdot \omega - 10977014 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^{10}/3125 - 246158657 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^9/2500 - 2065019151 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^8/1250 +$
 $4661636969 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^7/250 + 634382967 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^6/4 - 51476306133 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^5/50 - 131040852982 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^4/25 + 102083064477 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^3/5 + 301249738669 \cdot \alpha^2 \cdot \alpha^3 \cdot \omega^2/5 -$
 $120572766496 \cdot i \cdot \alpha^2 \cdot \alpha^3 \cdot \omega - 147619355054 \cdot \alpha^2 \cdot \alpha^3 + 516 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 + 9072 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 + 6504 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 19164 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/5 + 16248 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 116872 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 47549 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 + 83564 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 + 45047 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 198902 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 1445620 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 30560 \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 36026 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7 + 155212 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 - 1119788 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 - 1003531 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/100 + 435743 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/5 + 4108606 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2/5 - 2753726 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 9934575 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 87596 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 297040 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 745073 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 5128964 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 + 268856 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 1463732 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 1341204 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 9608254 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 1904329 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/25 + 3559463 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/5 + 33531017 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/5 - 23470018 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 - 83606650 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 65344 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 591474 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 523860 \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 3748584 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 - 3348879 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/50 + 600404 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 5638827 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 19226622 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 68743976 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 - 1502238 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^9/125 - 163760 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8 + 95374151 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/50 + 58397914 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/5 - 307899861 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5/5 - 170798250 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 406456004 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 30855 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 319138 \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 1375189 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/10 + 865025 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 - 5558656 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 + 586663 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 2981358 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 3109812 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 21090520 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 14213731 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/100 + 7760448 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/5 + 143893193 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/10 - 54820082 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 - 183944401 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 353580 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 3015728 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 2905860 \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 20153222 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 - 16095661 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/50 + 15875298 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/5 + 147377701 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 106290142 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 367197784 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 - 5415111 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^9/100 - 16474599 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/20 + 193244767 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/20 + 311990553 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/5 - 1634715057 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5/5 - 941823084 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 2157281671 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 60116 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 + 157836 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 730992 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 - 5079128 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 - 14148339 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/100 + 6635881 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/5 + 61460568 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 42959086 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 149685727 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 - 26280817 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/500 - 18764974 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2/25 + 43566537 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 54514390 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 - 1424676276 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5/5 - 801427388 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 1861858202 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 8648667 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2/1250 - 67050433 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 1879064887 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/1000 + 81318623 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/5 + 2799564256 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/25 - 2672459521 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5/5 - 20378920533 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/10 + 4799972370 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3 + 8350247724 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 16706 \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 67604 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 + 26258 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/5 + 191196 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6 - 817284 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5 + 364124 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4 + 1580949 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/5 + 2066264 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2/5 - 12299960 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega - 1434099 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/25 + 4395267 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/5 + 39901694 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/5 -$

$35686306 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^5 - 102129674 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^4 + 425754 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 +$
 $3479101 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 + 3788958 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 24148644 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 -$
 $8566648 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/25 + 19596004 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 + 35330176 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 -$
 $138736424 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 437320740 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 - 6367689 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^9/125 -$
 $46778443 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^8/50 + 279080669 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^7/25 + 392011828 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^6/5 -$
 $2018214758 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^5/5 - 1230543630 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^4 + 2549600278 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^3 +$
 $166016 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 + 439264 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7 + 2230560 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 -$
 $14488682 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 3829123 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/10 + 19824692 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 +$
 $178666308 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - 132574318 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 433097680 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 -$
 $67599473 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^9/500 - 107967549 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/50 + 1253977273 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/50 +$
 $165656795 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 851603369 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 2490576306 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 +$
 $5418588566 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 41361611 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^{10}/2500 - 45722834 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^9/125 -$
 $1314511111 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^8/250 + 2407473129 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^7/50 + 334347031 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^6 -$
 $8247963237 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^5/5 - 31058471699 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^4/5 + 14981470730 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^3 +$
 $24327345362 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^2 \cdot \omega^2 + 15096 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6 + 359566 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^7/5 + 359548 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6 -$
 $2286528 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 - 2565164 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^8/25 + 5103662 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^7/5 +$
 $45633441 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6/5 - 32929458 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 - 107844690 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 -$
 $1264833 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^9/20 - 47563269 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^8/50 + 545106931 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^7/50 +$
 $348827053 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6/5 - 1785699152 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5/5 - 1018916148 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4 +$
 $2252039516 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^3 + 44242609 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^{10}/2500 - 180242849 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^9/500 -$
 $2525660789 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^8/500 + 2229616029 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^7/50 + 7638385992 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^6/25 -$
 $1472721362 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^5 - 27666162948 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^4/5 + 13098356026 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^3 +$
 $21813049126 \cdot \alpha^2 \cdot \beta^1 \cdot \beta^3 \cdot \omega^2 + 5745743 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{11}/3125 + 23931917 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{10}/500 -$
 $398614767 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^9/500 - 4416786023 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^8/500 + 37639376229 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^7/500 +$
 $24333421223 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^6/50 - 12529583292 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^5/5 - 49020315119 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^4/5 +$
 $148566403282 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^3/5 + 60169200184 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 - 80201627654 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega + 1567 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6 -$
 $20484 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 23197 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^7/5 - 53563 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6 + 306506 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 +$
 $26804 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 + 13889 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 + 194788 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 497626 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 +$
 $79869 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/50 + 73119 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 + 2557229 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - 2247069 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 -$
 $1025585 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 120014 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 + 1590713 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/10 +$
 $1106764 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 6026020 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 3065783 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/50 +$
 $967675 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7 + 41513909 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - 37526028 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 -$
 $97644242 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 - 6941051 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^9/1000 - 17829141 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/100 +$
 $234610521 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/100 + 187511977 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - 954072639 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/10 -$
 $311765684 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 509238156 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 85394 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 + 1097298 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5$
 $+ 1233630 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 7390064 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 4416539 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/25 +$
 $21119321 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/10 + 183277751 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/10 - 72783740 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 -$
 $216066250 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 - 1402157 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^9/25 - 26631163 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/25 +$
 $311853088 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/25 + 441360809 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - 2219638347 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/5 -$
 $1352304456 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 + 2630466398 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 7536983 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{10}/1250 -$
 $6437629 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^9/40 - 2462291793 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^8/1000 + 243163707 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^7/10 +$
 $17268561969 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^6/100 - 8846840803 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5/10 - 16375745337 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4/5 +$
 $8034398916 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 + 11446689471 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 + 10752 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 + 387497 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/5 +$
 $417346 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6 - 2427742 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 2895002 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/25 + 1260839 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7 +$
 $54532854 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - 41072142 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5 - 124937282 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 -$
 $6967091 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^9/100 - 116762457 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/100 + 1332350317 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/100 +$
 $445160606 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/5 - 2232967346 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/5 - 1308013609 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4 +$
 $2683365541 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 + 23095117 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^{10}/1250 - 212881153 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^9/500 -$
 $1524182101 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^8/250 + 1410926112 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^7/25 + 9725660692 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^6/25 -$
 $9607630716 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^5/5 - 35530503131 \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^4/5 + 17038550532 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \beta^3 \cdot \omega^3 +$

$$\begin{aligned}
& 26183032550 \cdot \alpha^2 \beta^2 \beta^3 \omega^2 + 5564967 \cdot i \alpha^2 \beta^2 \omega^{11/3125} + 6637004 \cdot \alpha^2 \beta^2 \omega^{10/125} - \\
& 4646906671 \cdot i \alpha^2 \beta^2 \omega^9/5000 - 10878620743 \cdot \alpha^2 \beta^2 \omega^8/1000 + 23784500651 \cdot i \alpha^2 \beta^2 \omega^7/250 + \\
& 15823989819 \cdot \alpha^2 \beta^2 \omega^6/25 - 82091004782 \cdot i \alpha^2 \beta^2 \omega^5/25 - 65075717532 \cdot \alpha^2 \beta^2 \omega^4/5 + \\
& 194213030133 \cdot i \alpha^2 \beta^2 \omega^3/5 + 78717304000 \cdot \alpha^2 \beta^2 \omega^2 - 96005267737 \cdot i \alpha^2 \beta^2 \omega - 2520 \cdot \alpha^2 \beta^3 \omega^6 + \\
& 12198 \cdot i \alpha^2 \beta^3 \omega^5/5 + 20028 \cdot \alpha^2 \beta^3 \omega^4/5 - 56268 \cdot i \alpha^2 \beta^3 \omega^3/5 - 401069 \cdot \alpha^2 \beta^3 \omega^2/5 + \\
& 884902 \cdot i \alpha^2 \beta^3 \omega^2/5 + 1465906 \cdot \alpha^2 \beta^3 \omega^2/5 - 5503908 \cdot i \alpha^2 \beta^3 \omega^2/5 - 15520600 \cdot \alpha^2 \beta^3 \omega^2/5 - \\
& 183417 \cdot i \alpha^2 \beta^3 \omega^2/5 - 14742711 \cdot \alpha^2 \beta^3 \omega^2/5 + 82655798 \cdot i \alpha^2 \beta^3 \omega^2/5 + 107680623 \cdot \alpha^2 \beta^3 \omega^2/5 - \\
& 106535057 \cdot i \alpha^2 \beta^3 \omega^2/5 - 305316788 \cdot \alpha^2 \beta^3 \omega^2/5 + 621824350 \cdot i \alpha^2 \beta^3 \omega^2/5 + 11305571 \cdot \alpha^2 \beta^3 \omega^2/5 - \\
& 194659513 \cdot i \alpha^2 \beta^3 \omega^2/5 - 543258933 \cdot \alpha^2 \beta^3 \omega^2/5 + 608142689 \cdot i \alpha^2 \beta^3 \omega^2/5 + 8253508479 \cdot \alpha^2 \beta^3 \omega^2/5 - \\
& 7973840897 \cdot i \alpha^2 \beta^3 \omega^2/5 - 29310670361 \cdot \alpha^2 \beta^3 \omega^2/5 + 6901802928 \cdot i \alpha^2 \beta^3 \omega^2/5 + \\
& 10820407002 \cdot \alpha^2 \beta^3 \omega^2/5 + 6466404 \cdot i \alpha^2 \beta^3 \omega^2/5 + 141252327 \cdot \alpha^2 \beta^3 \omega^2/5 - \\
& 2365673279 \cdot i \alpha^2 \beta^3 \omega^2/5 - 5316424617 \cdot \alpha^2 \beta^3 \omega^2/5 + 4533417807 \cdot i \alpha^2 \beta^3 \omega^2/5 + \\
& 2942599994 \cdot \alpha^2 \beta^3 \omega^2/5 - 75289912721 \cdot i \alpha^2 \beta^3 \omega^2/5 - 11746242532 \cdot \alpha^2 \beta^3 \omega^2/5 + \\
& 174972339888 \cdot i \alpha^2 \beta^3 \omega^2/5 + 70156273454 \cdot \alpha^2 \beta^3 \omega^2/5 - 88789048324 \cdot i \alpha^2 \beta^3 \omega^2/5 - 559653 \cdot \alpha^2 \omega^{12/3125} + \\
& 18733407 \cdot i \alpha^2 \omega^{11/3125} + 737885247 \cdot \alpha^2 \omega^{10/6250} - 7943429087 \cdot i \alpha^2 \omega^9/5000 - 20322628131 \cdot \alpha^2 \omega^8/1250 + \\
& 130240897283 \cdot i \alpha^2 \omega^7/1000 + 840227006793 \cdot \alpha^2 \omega^6/1000 - 87307432197 \cdot i \alpha^2 \omega^5/20 - 457669708446 \cdot \alpha^2 \omega^4/25 + \\
& 301863941369 \cdot i \alpha^2 \omega^3/5 + 1526800996457 \cdot \alpha^2 \omega^2/10 - 266611186848 \cdot i \alpha^2 \omega - 281523968261 \cdot \alpha^2 - 2115 \cdot \alpha^3 \omega^7 - \\
& 47297 \cdot i \alpha^3 \omega^6 \beta^1 \omega - 3102 \cdot i \alpha^3 \omega^6 \beta^2 \omega - 32391 \cdot i \alpha^3 \omega^6 \beta^3 \omega + 34005 \cdot \alpha^3 \omega^6 \beta^4 \omega^2/2 - 136213 \cdot i \alpha^3 \omega^6 \beta^5 \omega - 543657 \cdot \alpha^3 \omega^6 \beta^6 \omega + \\
& 158898 \cdot \alpha^3 \omega^5 \beta^1 \omega^2 + 191594 \cdot \alpha^3 \omega^5 \beta^2 \omega^2 + 240930 \cdot \alpha^3 \omega^5 \beta^3 \omega^2 + 151722 \cdot i \alpha^3 \omega^5 \beta^4 \omega^2 + 935850 \cdot \alpha^3 \omega^5 \beta^5 \omega^2 - \\
& 4801814 \cdot i \alpha^3 \omega^5 \beta^6 \omega^2 - 15674 \cdot \alpha^3 \omega^5 \beta^7 \omega^2 + 132524 \cdot \alpha^3 \omega^5 \beta^8 \omega^2 + 60590 \cdot i \alpha^3 \omega^5 \beta^9 \omega^2 + 552717 \cdot \alpha^3 \omega^5 \beta^{10} \omega^2 - \\
& 1957012 \cdot i \alpha^3 \omega^5 \beta^{11} \omega^2 + 74857 \cdot \alpha^3 \omega^5 \beta^{12} \omega^2 + 519156 \cdot i \alpha^3 \omega^5 \beta^{13} \omega^2 + 660650 \cdot \alpha^3 \omega^5 \beta^{14} \omega^2 - 3352274 \cdot i \alpha^3 \omega^5 \beta^{15} \omega^2 - 3166759 \cdot \alpha^3 \omega^5 \beta^{16} \omega^2/100 + \\
& 4306353 \cdot i \alpha^3 \omega^5 \beta^{17} \omega^2/10 + 33677763 \cdot \alpha^3 \omega^5 \beta^{18} \omega^2/10 - 13735185 \cdot i \alpha^3 \omega^5 \beta^{19} \omega^2 - 32552567 \cdot \alpha^3 \omega^5 \beta^{20} \omega^2 + 132576 \cdot i \alpha^3 \omega^4 \beta^1 \omega^3 + \\
& 582848 \cdot i \alpha^3 \omega^4 \beta^2 \omega^3 + 510494 \cdot i \alpha^3 \omega^4 \beta^3 \omega^3 - 593797 \cdot \alpha^3 \omega^4 \beta^4 \omega^3/2 + 1440369 \cdot i \alpha^3 \omega^4 \beta^5 \omega^3 + 9346148 \cdot \alpha^3 \omega^4 \beta^6 \omega^3 + 284678 \cdot i \alpha^3 \omega^4 \beta^7 \omega^3 + 874070 \cdot i \alpha^3 \omega^4 \beta^8 \omega^3 \beta^2 \omega^3 - \\
& 2625642 \cdot \alpha^3 \omega^4 \beta^9 \omega^3 \beta^2 \omega^3 + 3398995 \cdot i \alpha^3 \omega^4 \beta^{10} \omega^3 \beta^2 \omega^3 + 16924802 \cdot \alpha^3 \omega^4 \beta^{11} \omega^3 \beta^2 \omega^3 + 384649 \cdot i \alpha^3 \omega^4 \beta^{12} \omega^3 \beta^2 \omega^3 - 2640448 \cdot \alpha^3 \omega^4 \beta^{13} \omega^3 \beta^2 \omega^3 + 3000832 \cdot i \alpha^3 \omega^4 \beta^{14} \omega^3 \beta^2 \omega^3 + 16887008 \cdot \alpha^3 \omega^4 \beta^{15} \omega^3 \beta^2 \omega^3 - 16270439 \cdot i \alpha^3 \omega^4 \beta^{16} \omega^3 \beta^2 \omega^3/100 - 18394761 \cdot \alpha^3 \omega^4 \beta^{17} \omega^3 \beta^2 \omega^3/10 + 151473303 \cdot i \alpha^3 \omega^4 \beta^{18} \omega^3 \beta^2 \omega^3/10 + 58291217 \cdot \alpha^3 \omega^4 \beta^{19} \omega^3 \beta^2 \omega^3 - 166168967 \cdot i \alpha^3 \omega^4 \beta^{20} \omega^3 \beta^2 \omega^3 + 48604 \cdot i \alpha^3 \omega^4 \beta^{21} \omega^3 \beta^2 \omega^3 + 192626 \cdot i \alpha^3 \omega^4 \beta^{22} \omega^3 \beta^2 \omega^3 - 705029 \cdot \alpha^3 \omega^4 \beta^{23} \omega^3 \beta^2 \omega^3/10 + 815216 \cdot i \alpha^3 \omega^4 \beta^{24} \omega^3 \beta^2 \omega^3 + 2279684 \cdot \alpha^3 \omega^4 \beta^{25} \omega^3 \beta^2 \omega^3 + 290544 \cdot i \alpha^3 \omega^4 \beta^{26} \omega^3 \beta^2 \omega^3 - 363071 \cdot \alpha^3 \omega^4 \beta^{27} \omega^3 \beta^2 \omega^3 + 2424507 \cdot i \alpha^3 \omega^4 \beta^{28} \omega^3 \beta^2 \omega^3 + 11945908 \cdot \alpha^3 \omega^4 \beta^{29} \omega^3 \beta^2 \omega^3 - 514371 \cdot i \alpha^3 \omega^4 \beta^{30} \omega^3 \beta^2 \omega^3/5 - 2968049 \cdot \alpha^3 \omega^4 \beta^{31} \omega^3 \beta^2 \omega^3/2 + 57669888 \cdot i \alpha^3 \omega^4 \beta^{32} \omega^3 \beta^2 \omega^3/5 + 48278527 \cdot \alpha^3 \omega^4 \beta^{33} \omega^3 \beta^2 \omega^3 - 109078828 \cdot i \alpha^3 \omega^4 \beta^{34} \omega^3 \beta^2 \omega^3 + 61985 \cdot i \alpha^3 \omega^4 \beta^{35} \omega^3 \beta^2 \omega^3 - 1693471 \cdot \alpha^3 \omega^4 \beta^{36} \omega^3 \beta^2 \omega^3/10 + 1006057 \cdot i \alpha^3 \omega^4 \beta^{37} \omega^3 \beta^2 \omega^3 + 5460121 \cdot \alpha^3 \omega^4 \beta^{38} \omega^3 \beta^2 \omega^3 - 12049087 \cdot i \alpha^3 \omega^4 \beta^{39} \omega^3 \beta^2 \omega^3/100 - 14717107 \cdot \alpha^3 \omega^4 \beta^{40} \omega^3 \beta^2 \omega^3/10 + 24130205 \cdot i \alpha^3 \omega^4 \beta^{41} \omega^3 \beta^2 \omega^3/2 + 47077337 \cdot \alpha^3 \omega^4 \beta^{42} \omega^3 \beta^2 \omega^3 - 126340635 \cdot i \alpha^3 \omega^4 \beta^{43} \omega^3 \beta^2 \omega^3 + 1009451 \cdot \alpha^3 \omega^4 \beta^{44} \omega^3 \beta^2 \omega^3/40 - 47148663 \cdot i \alpha^3 \omega^4 \beta^{45} \omega^3 \beta^2 \omega^3/100 - 518513829 \cdot \alpha^3 \omega^4 \beta^{46} \omega^3 \beta^2 \omega^3/100 + 351936883 \cdot i \alpha^3 \omega^4 \beta^{47} \omega^3 \beta^2 \omega^3/10 + 332131831 \cdot \alpha^3 \omega^4 \beta^{48} \omega^3 \beta^2 \omega^3/2 - 486011220 \cdot i \alpha^3 \omega^4 \beta^{49} \omega^3 \beta^2 \omega^3 - 852098691 \cdot \alpha^3 \omega^4 \beta^{50} \omega^3 \beta^2 \omega^3 - 48808 \cdot \alpha^3 \omega^3 \beta^1 \omega^4 - 403096 \cdot \alpha^3 \omega^3 \beta^2 \omega^4 - 316952 \cdot \alpha^3 \omega^3 \beta^3 \omega^4 - 182360 \cdot i \alpha^3 \omega^3 \beta^4 \omega^4 - 811060 \cdot \alpha^3 \omega^3 \beta^5 \omega^4 + 5696352 \cdot i \alpha^3 \omega^3 \beta^6 \omega^4 - 781835 \cdot \alpha^3 \omega^3 \beta^7 \omega^4 \beta^2 \omega^4 - 1519732 \cdot \alpha^3 \omega^3 \beta^8 \omega^4 \beta^2 \omega^4 - 1701059 \cdot i \alpha^3 \omega^3 \beta^9 \omega^4 \beta^2 \omega^4/2 - 4265551 \cdot \alpha^3 \omega^3 \beta^{10} \omega^4 \beta^2 \omega^4 + 27334782 \cdot i \alpha^3 \omega^3 \beta^{11} \omega^4 \beta^2 \omega^4 - 589016 \cdot \alpha^3 \omega^3 \beta^{12} \omega^4 \beta^2 \omega^4 - 722357 \cdot i \alpha^3 \omega^3 \beta^{13} \omega^4 \beta^2 \omega^4 - 3436578 \cdot \alpha^3 \omega^3 \beta^{14} \omega^4 \beta^2 \omega^4 + 22895696 \cdot i \alpha^3 \omega^3 \beta^{15} \omega^4 \beta^2 \omega^4 + 20827993 \cdot \alpha^3 \omega^3 \beta^{16} \omega^4 \beta^2 \omega^4/100 - 1998041 \cdot i \alpha^3 \omega^3 \beta^{17} \omega^4 \beta^2 \omega^4 - 89351768 \cdot \alpha^3 \omega^3 \beta^{18} \omega^4 \beta^2 \omega^4/5 + 63241960 \cdot i \alpha^3 \omega^3 \beta^{19} \omega^4 \beta^2 \omega^4 + 210633779 \cdot \alpha^3 \omega^3 \beta^{20} \omega^4 \beta^2 \omega^4 - 181206 \cdot \alpha^3 \omega^3 \beta^{21} \omega^4 \beta^2 \omega^4 - 1150672 \cdot \alpha^3 \omega^3 \beta^{22} \omega^4 \beta^2 \omega^4 - 3254044 \cdot i \alpha^3 \omega^3 \beta^{23} \omega^4 \beta^2 \omega^4/5 - 4507032 \cdot \alpha^3 \omega^3 \beta^{24} \omega^4 \beta^2 \omega^4 + 21589596 \cdot i \alpha^3 \omega^3 \beta^{25} \omega^4 \beta^2 \omega^4 - 1173924 \cdot \alpha^3 \omega^3 \beta^{26} \omega^4 \beta^2 \omega^4 - 7589436 \cdot i \alpha^3 \omega^3 \beta^{27} \omega^4 \beta^2 \omega^4/5 - 8894102 \cdot \alpha^3 \omega^3 \beta^{28} \omega^4 \beta^2 \omega^4 + 49331400 \cdot i \alpha^3 \omega^3 \beta^{29} \omega^4 \beta^2 \omega^4 + 11100168 \cdot \alpha^3 \omega^3 \beta^{30} \omega^4 \beta^2 \omega^4/25 - 5214415 \cdot i \alpha^3 \omega^3 \beta^{31} \omega^4 \beta^2 \omega^4 - 42884847 \cdot \alpha^3 \omega^3 \beta^{32} \omega^4 \beta^2 \omega^4 + 168503262 \cdot i \alpha^3 \omega^3 \beta^{33} \omega^4 \beta^2 \omega^4 + 472320974 \cdot \alpha^3 \omega^3 \beta^{34} \omega^4 \beta^2 \omega^4 - 259264 \cdot \alpha^3 \omega^3 \beta^{35} \omega^4 \beta^2 \omega^4 - 3075637 \cdot i \alpha^3 \omega^3 \beta^{36} \omega^4 \beta^2 \omega^4/5 - 3386966 \cdot \alpha^3 \omega^3 \beta^{37} \omega^4 \beta^2 \omega^4 + 19763160 \cdot i \alpha^3 \omega^3 \beta^{38} \omega^4 \beta^2 \omega^4 + 10254167 \cdot \alpha^3 \omega^3 \beta^{39} \omega^4 \beta^2 \omega^4/25 - 4446702 \cdot i \alpha^3 \omega^3 \beta^{40} \omega^4 \beta^2 \omega^4 - 188253339 \cdot \alpha^3 \omega^3 \beta^{41} \omega^4 \beta^2 \omega^4/5 + 141611102 \cdot i \alpha^3 \omega^3 \beta^{42} \omega^4 \beta^2 \omega^4 + 424553466 \cdot \alpha^3 \omega^3 \beta^{43} \omega^4 \beta^2 \omega^4 + 10297638 \cdot i \alpha^3 \omega^3 \beta^{44} \omega^4 \beta^2 \omega^4/125 +
\end{aligned}$$

66740881* $\alpha^3\beta^1\omega^6/50$ - 368260392*i* $\alpha^3\beta^1\omega^5/25$ - 481554809* $\alpha^3\beta^1\omega^4/5$ +
2359838573*i* $\alpha^3\beta^1\omega^3/5$ + 1367840050* $\alpha^3\beta^1\omega^2$ - 2766104156*i* $\alpha^3\beta^1\omega$ + 52426* $\alpha^3\beta^2\omega^4$ -
107868* $\alpha^3\beta^2\omega^3$ - 104994*i* $\alpha^3\beta^2\omega^2/5$ - 501214* $\alpha^3\beta^2\omega$ + 591488*i* $\alpha^3\beta^2\omega^3$ -
408796* $\alpha^3\beta^2\omega^2$ - 2243422*i* $\alpha^3\beta^2\omega$ + 3229986* $\alpha^3\beta^2\omega^4$ +
15203662*i* $\alpha^3\beta^2\omega^3$ + 580149* $\alpha^3\beta^2\omega^2/5$ - 9116943*i* $\alpha^3\beta^2\omega$ + 140854089* $\alpha^3\beta^2\omega^4/10$ +
61158801*i* $\alpha^3\beta^2\omega^3$ + 128506588* $\alpha^3\beta^2\omega^2$ -
217332* $\alpha^3\beta^2\omega$ - 5166139*i* $\alpha^3\beta^2\omega^5/10$ - 3131734* $\alpha^3\beta^2\omega^4$ +
16926098*i* $\alpha^3\beta^2\omega^3$ + 8402874* $\alpha^3\beta^2\omega^2/25$ - 21263249*i* $\alpha^3\beta^2\omega$ + 34840613* $\alpha^3\beta^2\omega^4$ +
138397884*i* $\alpha^3\beta^2\omega^3$ + 365280576* $\alpha^3\beta^2\omega^2$ +
32919463*i* $\alpha^3\beta^2\omega/500$ + 128135817* $\alpha^3\beta^2\omega^6/100$ - 711909713*i* $\alpha^3\beta^2\omega^5/50$ -
983700979* $\alpha^3\beta^2\omega^4/10$ + 4647591323*i* $\alpha^3\beta^2\omega^3/10$ + 1375744215* $\alpha^3\beta^2\omega^2$ - 2352749403*i* $\alpha^3\beta^2\omega$ -
15592* $\alpha^3\beta^3\omega^4$ - 532742*i* $\alpha^3\beta^3\omega^5/5$ - 623650* $\alpha^3\beta^3\omega^4$ + 3379804*i* $\alpha^3\beta^3\omega^3$ +
14132707* $\alpha^3\beta^3\omega^2/100$ - 1654910*i* $\alpha^3\beta^3\omega$ - 69033604* $\alpha^3\beta^3\omega^4/5$ +
52874834*i* $\alpha^3\beta^3\omega^3$ + 147783622* $\alpha^3\beta^3\omega^2$ + 16606063*i* $\alpha^3\beta^3\omega/250$ +
29326917* $\alpha^3\beta^3\omega^6/25$ - 652128613*i* $\alpha^3\beta^3\omega^5/50$ - 435374108* $\alpha^3\beta^3\omega^4/5$ + 419715078*i* $\alpha^3\beta^3\omega^3$ +
1215246672* $\alpha^3\beta^3\omega^2$ - 2286676568*i* $\alpha^3\beta^3\omega$ - 25883223* $\alpha^3\beta^3\omega^8/2500$ + 244816803*i* $\alpha^3\beta^3\omega^7/1000$ +
3402442673* $\alpha^3\beta^3\omega^6/1000$ - 619795209*i* $\alpha^3\beta^3\omega^5/20$ - 20668941491* $\alpha^3\beta^3\omega^4/100$ + 4993897206*i* $\alpha^3\beta^3\omega^3/5$ +
17730324094* $\alpha^3\beta^3\omega^2/5$ - 8303893443*i* $\alpha^3\beta^3\omega$ - 11702803645* $\alpha^3\beta^3\omega^5$ - 9016*i* $\alpha^3\beta^4\omega^5$ -
115258*i* $\alpha^3\beta^4\omega^5$ - 84020*i* $\alpha^3\beta^4\omega^4$ + 244847* $\alpha^3\beta^4\omega^6/5$ - 209210*i* $\alpha^3\beta^4\omega^5$ -
1515056* $\alpha^3\beta^4\omega^4$ - 421053*i* $\alpha^3\beta^4\omega^3$ - 729720*i* $\alpha^3\beta^4\omega^2$ + 4025307* $\alpha^3\beta^4\omega$ - 1837505*i* $\alpha^3\beta^4\omega^5$ -
12846432* $\alpha^3\beta^4\omega^4$ - 263924*i* $\alpha^3\beta^4\omega^3$ + 1586144* $\alpha^3\beta^4\omega^2$ - 1403184*i* $\alpha^3\beta^4\omega$ - 9951338* $\alpha^3\beta^4\omega^4$ +
9015917*i* $\alpha^3\beta^4\omega^3$ + 4022731* $\alpha^3\beta^4\omega^2$ - 37298311*i* $\alpha^3\beta^4\omega$ - 25367002* $\alpha^3\beta^4\omega^4$ + 89827481*i* $\alpha^3\beta^4\omega^3$ -
463644*i* $\alpha^3\beta^4\omega^2$ - 1541375*i* $\alpha^3\beta^4\omega$ + 8263971* $\alpha^3\beta^4\omega^6/10$ - 4340636*i* $\alpha^3\beta^4\omega^5$ -
27428915* $\alpha^3\beta^4\omega^4$ - 1341416*i* $\alpha^3\beta^4\omega^3$ + 15672947* $\alpha^3\beta^4\omega^2$ - 7682587*i* $\alpha^3\beta^4\omega$ - 50764022* $\alpha^3\beta^4\omega^4$ +
10818049*i* $\alpha^3\beta^4\omega^3$ + 42960329* $\alpha^3\beta^4\omega^2$ - 384375507* $\alpha^3\beta^4\omega$ - 138792205* $\alpha^3\beta^4\omega^4$ +
458474319*i* $\alpha^3\beta^4\omega^3$ - 302800*i* $\alpha^3\beta^4\omega^2$ + 3006321* $\alpha^3\beta^4\omega$ - 2838674*i* $\alpha^3\beta^4\omega^5$ - 19138500* $\alpha^3\beta^4\omega^4$ +
7293449* $\alpha^3\beta^4\omega^3$ + 17311209* $\alpha^3\beta^4\omega^2$ - 156610219* $\alpha^3\beta^4\omega$ - 110092180* $\alpha^3\beta^4\omega^4$ +
372875287*i* $\alpha^3\beta^4\omega^3$ - 69169573* $\alpha^3\beta^4\omega^2$ + 99248311*i* $\alpha^3\beta^4\omega$ + 112765251* $\alpha^3\beta^4\omega^6/10$ - 351944048* $\alpha^3\beta^4\omega^5/5$ -
1804262383* $\alpha^3\beta^4\omega^4/5$ + 1014310437*i* $\alpha^3\beta^4\omega^3$ + 2294398332* $\alpha^3\beta^4\omega^2$ -
34382*i* $\alpha^3\beta^4\omega$ - 662806*i* $\alpha^3\beta^4\omega^5$ + 1702133* $\alpha^3\beta^4\omega^6/5$ - 2631190*i* $\alpha^3\beta^4\omega^4$ -
11904804* $\alpha^3\beta^4\omega^3$ - 1221052*i* $\alpha^3\beta^4\omega^2$ + 7371422* $\alpha^3\beta^4\omega$ - 9001784* $\alpha^3\beta^4\omega^5$ - 49173790* $\alpha^3\beta^4\omega^4$ +
10104113* $\alpha^3\beta^4\omega^3$ + 25063499* $\alpha^3\beta^4\omega^2$ - 413009061* $\alpha^3\beta^4\omega$ - 167058557* $\alpha^3\beta^4\omega^4$ +
458802480*i* $\alpha^3\beta^4\omega^3$ - 636116*i* $\alpha^3\beta^4\omega^2$ + 13794649* $\alpha^3\beta^4\omega$ - 7720144*i* $\alpha^3\beta^4\omega^5$ - 44914878* $\alpha^3\beta^4\omega^4$ +
43048747*i* $\alpha^3\beta^4\omega^3$ + 9586898* $\alpha^3\beta^4\omega^2$ - 81390409* $\alpha^3\beta^4\omega$ - 311254860* $\alpha^3\beta^4\omega^4$ +
926068046*i* $\alpha^3\beta^4\omega^3$ - 40838343* $\alpha^3\beta^4\omega^2$ + 274346279* $\alpha^3\beta^4\omega$ + 1528418697* $\alpha^3\beta^4\omega^6/50$ - 2034730279* $\alpha^3\beta^4\omega^5/10$ -
10005787679* $\alpha^3\beta^4\omega^4/10$ + 2937181433*i* $\alpha^3\beta^4\omega^3$ + 5879429053* $\alpha^3\beta^4\omega^2$ -
70172*i* $\alpha^3\beta^4\omega$ + 1493882* $\alpha^3\beta^4\omega^6/5$ - 1649210*i* $\alpha^3\beta^4\omega^5$ -
9587654* $\alpha^3\beta^4\omega^4$ + 33931897*i* $\alpha^3\beta^4\omega^3$ + 18092808* $\alpha^3\beta^4\omega^2$ - 154968609* $\alpha^3\beta^4\omega$ +
115484226* $\alpha^3\beta^4\omega^4$ + 352662708* $\alpha^3\beta^4\omega^3$ - 73229847* $\alpha^3\beta^4\omega^2$ +
11586919* $\alpha^3\beta^4\omega$ + 646277703* $\alpha^3\beta^4\omega^6/25$ - 167620356*i* $\alpha^3\beta^4\omega^5$ -
4160202661* $\alpha^3\beta^4\omega^4/5$ + 2393477520* $\alpha^3\beta^4\omega^3$ + 4984369756* $\alpha^3\beta^4\omega^2$ -
13457274*i* $\alpha^3\beta^4\omega$ - 454053311* $\alpha^3\beta^4\omega^8/1000$ +

$6225365119 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{7/1000} + 5504762047 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{6/100} - 36948390827 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{5/100} -$
 $8875538022 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{4/5} + 32515670728 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega^{3/5} + 15355725067 \cdot \alpha^2 \cdot \beta^1 \cdot \omega^2 -$
 $24249669761 \cdot i \cdot \alpha^2 \cdot \beta^1 \cdot \omega + 24466 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 - 3034 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 - 132587 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/10} -$
 $76348 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 + 607834 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 - 247928 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 + 1134149 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/5} -$
 $1873552 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 - 8112712 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 + 2571753 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{7/50} +$
 $9357959 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/10} - 35995606 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{5/5} - 33154824 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 + 60928523 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3$
 $- 264288 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 + 1068507 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/2} - 3348201 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 -$
 $17958636 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 + 7799836 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{7/25} + 20798028 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/5} -$
 $340959391 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{5/10} - 139082713 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 + 358836054 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 -$
 $28128817 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{8/500} + 116079759 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{7/100} + 1313700609 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/100} -$
 $931280963 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{5/10} - 4417218683 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{4/10} + 1328822455 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 +$
 $2195891146 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 - 53730 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 + 542581 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/2} -$
 $1577872 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^5 - 8699048 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 + 7903517 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{7/25} +$
 $37626967 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/10} - 315052497 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{5/10} - 121857196 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^4 +$
 $340699094 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 - 67986157 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{8/500} + 49418393 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{7/20} +$
 $1385257579 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/50} - 1876749501 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{5/10} - 9081971859 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{4/10} +$
 $2657485949 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 + 4957940589 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 - 49370967 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^9/2500 -$
 $484026617 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{8/1000} + 1710373357 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{7/250} + 6341500191 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{6/100} -$
 $21363222543 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{5/50} - 10440200599 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^{4/5} + 7441061087 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega^3 +$
 $17553743602 \cdot \alpha^2 \cdot \beta^2 \cdot \omega^2 - 24390894184 \cdot i \cdot \alpha^2 \cdot \beta^2 \cdot \omega + 3468 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 + 110102 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{6/5} -$
 $134594 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 - 650060 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 + 6447141 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{7/100} + 3736136 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{6/5} -$
 $6220281 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 - 23642286 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^4 + 65423614 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 - 2734603 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{8/50} +$
 $23512326 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{7/25} + 525082697 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{6/50} - 69491673 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^5 -$
 $3373440027 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{4/10} + 969743868 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 + 1866438547 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 -$
 $46959117 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^9/2500 - 429814027 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{8/1000} + 1196329637 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{7/200} +$
 $5406544343 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{6/100} - 7248326207 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{5/20} - 8730219029 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^{4/5} +$
 $6268967358 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega^3 + 14648167675 \cdot \alpha^2 \cdot \beta^3 \cdot \omega^2 - 21530878153 \cdot i \cdot \alpha^2 \cdot \beta^3 \cdot \omega + 5721319 \cdot \alpha^2 \cdot \omega^{10/2500} -$
 $327644947 \cdot i \cdot \alpha^2 \cdot \omega^9/5000 - 683222381 \cdot \alpha^2 \cdot \omega^{8/625} + 2460429977 \cdot i \cdot \alpha^2 \cdot \omega^{7/200} + 12968665693 \cdot \alpha^2 \cdot \omega^{6/125}$
 $- 66860697471 \cdot i \cdot \alpha^2 \cdot \omega^{5/100} - 84190494944 \cdot \alpha^2 \cdot \omega^{4/25} + 64948985236 \cdot i \cdot \alpha^2 \cdot \omega^3/5 +$
 $188797278728 \cdot \alpha^2 \cdot \omega^2/5 - 74605083692 \cdot i \cdot \alpha^2 \cdot \omega - 88328146357 \cdot \alpha^2 + 812 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 +$
 $14800 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 + 10008 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 30014 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} + 25124 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 -$
 $183500 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 + 82673 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 133964 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 370921 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} +$
 $323686 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 - 2347972 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 + 45328 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 275738 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} +$
 $235428 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 - 1708820 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 - 315499 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{8/20} + 678309 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} +$
 $6386778 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{6/5} - 4252446 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 - 15435527 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 175238 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 +$
 $506966 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 + 268437 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega + 1271004 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 -$
 $8840630 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 + 412152 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 469343 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 2129730 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 +$
 $15080100 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega - 3188517 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{8/25} +$
 $5862866 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} + 10900550 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 - 37743740 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 -$
 $133344844 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 89848 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 172106 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} + 760292 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 -$
 $5409184 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 - 5093501 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{8/50} + 4538788 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} +$
 $8460615 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 - 28719898 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 - 102286540 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 - 95037 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{9/5} -$
 $6411164 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{8/25} + 73938818 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/25} + 89915563 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{6/5} - 471029728 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{5/5} -$
 $259993762 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 617438112 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 110923 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 + 612360 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 +$
 $3089627 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/10} + 1744517 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 - 10862614 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 +$
 $913909 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 5082754 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 5192404 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 + 34058926 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega -$
 $26706949 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{8/100} + 13925204 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{7/5} +$
 $250300473 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^{6/10} - 92955124 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 - 304490977 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 +$
 $475356 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 + 4416826 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^2 + 4282020 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^6 -$
 $28777706 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^5 - 12693819 \cdot \alpha^3 \cdot \beta^1 \cdot \omega^4 + 4973927 \cdot i \cdot \alpha^3 \cdot \beta^1 \cdot \omega^3 +$

225668378* $\alpha^3\beta^1\alpha^2\beta^2\beta^3\omega^6/5$ - 161737582* $i\alpha^3\beta^1\alpha^2\beta^2\beta^3\omega^5$ - 545615676* $\alpha^3\beta^1\alpha^2\beta^2\beta^3\omega^4$ -
 9179769* $i\alpha^3\beta^1\alpha^2\beta^2\omega^9/100$ - 136693379* $\alpha^3\beta^1\alpha^2\beta^2\omega^8/100$ + 1567316157* $i\alpha^3\beta^1\alpha^2\beta^2\omega^7/100$ +
 498785158* $\alpha^3\beta^1\alpha^2\beta^2\omega^6/5$ - 2567876353* $i\alpha^3\beta^1\alpha^2\beta^2\omega^5/5$ - 1464223372* $\alpha^3\beta^1\alpha^2\beta^2\omega^4$ +
 3295849331* $i\alpha^3\beta^1\alpha^2\beta^2\omega^3$ + 67060* $\alpha^3\beta^1\alpha^2\beta^3\omega^4$ + 1003532* $i\alpha^3\beta^1\alpha^2\beta^3\omega^3$ + 7/5 +
 948416* $\alpha^3\beta^1\alpha^2\beta^3\omega^2$ - 6394184* $i\alpha^3\beta^1\alpha^2\beta^3\omega$ - 19629189* $\alpha^3\beta^1\alpha^2\beta^3\omega^8/100$ +
 1858159* $i\alpha^3\beta^1\alpha^2\beta^3\omega^7$ + 84525224* $\alpha^3\beta^1\alpha^2\beta^3\omega^6/5$ - 59264590* $i\alpha^3\beta^1\alpha^2\beta^3\omega^5$ -
 202002317* $\alpha^3\beta^1\alpha^2\beta^3\omega^4$ - 19519743* $i\alpha^3\beta^1\alpha^2\beta^3\omega^3$ - 55737697* $\alpha^3\beta^1\alpha^2\beta^3\omega^2$ + 8/50 +
 637506103* $i\alpha^3\beta^1\alpha^2\beta^3\omega$ + 397326256* $\alpha^3\beta^1\alpha^2\beta^3\omega^6/5$ - 2049724638* $i\alpha^3\beta^1\alpha^2\beta^3\omega^5/5$ -
 1149406260* $\alpha^3\beta^1\alpha^2\beta^3\omega^4$ + 2627272898* $i\alpha^3\beta^1\alpha^2\beta^3\omega^3$ + 27298587* $\alpha^3\beta^1\alpha^2\omega^{10}/2500$ -
 104814469* $i\alpha^3\beta^1\alpha^2\omega^9/500$ - 2891421061* $\alpha^3\beta^1\alpha^2\omega^8/1000$ + 1240027977* $i\alpha^3\beta^1\alpha^2\omega^7/50$ +
 1687379441* $\alpha^3\beta^1\alpha^2\omega^6/10$ - 3997858301* $i\alpha^3\beta^1\alpha^2\omega^5/5$ - 30170018573* $\alpha^3\beta^1\alpha^2\omega^4/10$ +
 7067019888* $i\alpha^3\beta^1\alpha^2\omega^3$ + 12151372602* $\alpha^3\beta^1\alpha^2\omega^2$ - 9794* $\alpha^3\beta^1\beta^2\omega^6$ + 151296* $\alpha^3\beta^1\beta^2\omega^5$ +
 61407* $i\alpha^3\beta^1\beta^2\omega^4$ + 614072* $\alpha^3\beta^1\beta^2\omega^3$ - 2477930* $i\alpha^3\beta^1\beta^2\omega^2$ + 502242* $\alpha^3\beta^1\beta^2\omega$ +
 2753583* $i\alpha^3\beta^1\beta^2\omega^7/5$ + 3577772* $\alpha^3\beta^1\beta^2\omega^6/5$ - 19230522* $i\alpha^3\beta^1\beta^2\omega^5$ -
 6790529* $\alpha^3\beta^1\beta^2\omega^4$ + 9243823* $i\alpha^3\beta^1\beta^2\omega^3$ + 15367312* $\alpha^3\beta^1\beta^2\omega^2$ -
 65139506* $i\alpha^3\beta^1\beta^2\omega$ - 174231646* $\alpha^3\beta^1\beta^2\omega^4$ + 466824* $\alpha^3\beta^1\beta^2\omega^3$ +
 4628614* $i\alpha^3\beta^1\beta^2\omega^2$ + 5294208* $\alpha^3\beta^1\beta^2\omega$ - 30822046* $i\alpha^3\beta^1\beta^2\omega^5$ -
 2679861* $\alpha^3\beta^1\beta^2\omega^4$ + 30986252* $i\alpha^3\beta^1\beta^2\omega^3$ + 265059892* $\alpha^3\beta^1\beta^2\omega^2$ + 6/5 -
 207502388* $i\alpha^3\beta^1\beta^2\omega$ - 613134018* $\alpha^3\beta^1\beta^2\omega^4$ - 23615223* $i\alpha^3\beta^1\beta^2\omega^3$ - 9/250 -
 83720937* $\alpha^3\beta^1\beta^2\omega^2$ + 474740891* $i\alpha^3\beta^1\beta^2\omega$ + 649206797* $\alpha^3\beta^1\beta^2\omega^6/5$ -
 321725581* $i\alpha^3\beta^1\beta^2\omega^5/5$ - 1924201284* $\alpha^3\beta^1\beta^2\omega^4$ + 3808280130* $i\alpha^3\beta^1\beta^2\omega^3$ +
 133760* $\alpha^3\beta^1\beta^2\omega^2$ + 2375787* $i\alpha^3\beta^1\beta^2\omega$ + 2614630* $\alpha^3\beta^1\beta^2\omega^6$ -
 15387832* $i\alpha^3\beta^1\beta^2\omega^5$ - 24524753* $\alpha^3\beta^1\beta^2\omega^4$ + 5306457* $i\alpha^3\beta^1\beta^2\omega^3$ +
 228924954* $\alpha^3\beta^1\beta^2\omega^2$ - 172626954* $i\alpha^3\beta^1\beta^2\omega$ - 528086340* $\alpha^3\beta^1\beta^2\omega^4$ -
 4928571* $i\alpha^3\beta^1\beta^2\omega^3$ - 32028829* $\alpha^3\beta^1\beta^2\omega^2$ + 903046967* $i\alpha^3\beta^1\beta^2\omega$ + 7/25 +
 1189526849* $\alpha^3\beta^1\beta^2\omega^6/5$ - 1188144155* $i\alpha^3\beta^1\beta^2\omega^5$ - 3459457840* $\alpha^3\beta^1\beta^2\omega^4$ +
 7182764390* $i\alpha^3\beta^1\beta^2\omega^3$ + 68032369* $\alpha^3\beta^1\beta^2\omega^2$ - 29788953* $i\alpha^3\beta^1\beta^2\omega$ - 9/50 -
 2077210391* $\alpha^3\beta^1\beta^2\omega^8/250$ + 1872519964* $i\alpha^3\beta^1\beta^2\omega^7/25$ + 25413018359* $\alpha^3\beta^1\beta^2\omega^6/50$ -
 12367875329* $i\alpha^3\beta^1\beta^2\omega^5/5$ - 45556233094* $\alpha^3\beta^1\beta^2\omega^4/5$ + 21722802010* $i\alpha^3\beta^1\beta^2\omega^3$ +
 34103897162* $\alpha^3\beta^1\beta^2\omega^2$ + 2544* $\alpha^3\beta^1\beta^3\omega^6$ + 276836* $i\alpha^3\beta^1\beta^3\omega^5$ + 321840* $\alpha^3\beta^1\beta^3\omega^4$ -
 1751364* $i\alpha^3\beta^1\beta^3\omega^3$ - 2686167* $\alpha^3\beta^1\beta^3\omega^2$ + 5746414* $i\alpha^3\beta^1\beta^3\omega$ + 7/5 +
 49067221* $\alpha^3\beta^1\beta^3\omega^6/5$ - 36584446* $i\alpha^3\beta^1\beta^3\omega^5$ - 110726610* $\alpha^3\beta^1\beta^3\omega^4$ -
 9733551* $i\alpha^3\beta^1\beta^3\omega^3$ - 30490304* $\alpha^3\beta^1\beta^3\omega^2$ + 683726581* $i\alpha^3\beta^1\beta^3\omega$ + 7/50 +
 441882703* $\alpha^3\beta^1\beta^3\omega^6/5$ - 2203698051* $i\alpha^3\beta^1\beta^3\omega^5/5$ - 1262912290* $\alpha^3\beta^1\beta^3\omega^4$ +
 2653131532* $i\alpha^3\beta^1\beta^3\omega^3$ + 15272518* $\alpha^3\beta^1\beta^3\omega^2$ - 253796357* $i\alpha^3\beta^1\beta^3\omega$ - 9/500 -
 874627214* $\alpha^3\beta^1\beta^3\omega^8/125$ + 3084631579* $i\alpha^3\beta^1\beta^3\omega^7/50$ + 20812562379* $\alpha^3\beta^1\beta^3\omega^6/50$ -
 9984577787* $i\alpha^3\beta^1\beta^3\omega^5/5$ - 36824592407* $\alpha^3\beta^1\beta^3\omega^4/5$ + 17344496160* $i\alpha^3\beta^1\beta^3\omega^3$ +
 27873169504* $\alpha^3\beta^1\beta^3\omega^2$ + 17486903* $i\alpha^3\beta^1\omega^{11}/6250$ + 36467173* $\alpha^3\beta^1\omega^{10}/500$ -
 2982317937* $i\alpha^3\beta^1\omega^9/2500$ - 1309451337* $\alpha^3\beta^1\omega^8/100$ + 1099975591* $i\alpha^3\beta^1\omega^7/10$ +
 35221972129* $\alpha^3\beta^1\omega^6/50$ - 89496559044* $i\alpha^3\beta^1\omega^5/25$ - 69405882147* $\alpha^3\beta^1\omega^4/5$ +
 207309071776* $i\alpha^3\beta^1\omega^3/5$ + 83249844588* $\alpha^3\beta^1\omega^2$ - 108151660252* $i\alpha^3\beta^1\omega$ - 3739* $\alpha^3\beta^2\omega^6$ -
 15984* $\alpha^3\beta^2\omega^5$ + 40988* $i\alpha^3\beta^2\omega^4$ - 36483* $\alpha^3\beta^2\omega^3$ + 389966* $i\alpha^3\beta^2\omega^2$ +
 56922* $\alpha^3\beta^2\omega$ + 174954* $i\alpha^3\beta^2\omega^7/5$ + 423120* $\alpha^3\beta^2\omega^6$ - 1475924* $i\alpha^3\beta^2\omega^5$ -
 142861* $\alpha^3\beta^2\omega^4$ + 801056* $i\alpha^3\beta^2\omega^3$ + 12499399* $\alpha^3\beta^2\omega^2$ - 6592017* $i\alpha^3\beta^2\omega$ -
 7986573* $\alpha^3\beta^2\omega^4$ + 127208* $\alpha^3\beta^2\omega^3$ + 2127177* $i\alpha^3\beta^2\omega^2$ + 7/10 +
 1420816* $\alpha^3\beta^2\omega$ - 7480188* $i\alpha^3\beta^2\omega^5$ - 1068639* $\alpha^3\beta^2\omega^4$ + 8/10 +
 1563421* $i\alpha^3\beta^2\omega^3$ + 64257334* $\alpha^3\beta^2\omega^2$ - 54809848* $i\alpha^3\beta^2\omega$ -
 136401816* $\alpha^3\beta^2\omega^4$ - 16967627* $i\alpha^3\beta^2\omega^3$ - 7745597* $\alpha^3\beta^2\omega^2$ + 20 +
 455590207* $i\alpha^3\beta^2\omega$ + 337294487* $\alpha^3\beta^2\omega^6/10$ - 1617092447* $i\alpha^3\beta^2\omega^5/10$ -
 499439372* $\alpha^3\beta^2\omega^4$ + 782096592* $i\alpha^3\beta^2\omega^3$ + 57228* $\alpha^3\beta^2\omega^2$ + 6/5 + 210177* $i\alpha^3\beta^2\omega$ +

$1216890 \cdot \alpha^3 \beta^2 \omega^6 - 6862722 \cdot i \cdot \alpha^3 \beta^2 \omega^5 - 5284436 \cdot \alpha^3 \beta^2 \omega^4/25 +$
 $25801633 \cdot i^2 \cdot \alpha^3 \beta^2 \omega^3/10 + 217346761 \cdot \alpha^3 \beta^2 \omega^2/10 - 85440012 \cdot i \cdot \alpha^3 \beta^2 \omega^1/5 -$
 $239199194 \cdot \alpha^3 \beta^2 \omega^0 - 20402017 \cdot i \cdot \alpha^3 \beta^2 \omega^9/250 - 38716577 \cdot \alpha^3 \beta^2 \omega^8/25 +$
 $880824109 \cdot i^2 \cdot \alpha^3 \beta^2 \omega^7/50 + 610115494 \cdot \alpha^3 \beta^2 \omega^6/5 - 2974015776 \cdot i \cdot \alpha^3 \beta^2 \omega^5/5 -$
 $1768383756 \cdot \alpha^3 \beta^2 \omega^4 + 3265161616 \cdot i \cdot \alpha^3 \beta^2 \omega^3 + 26983513 \cdot \alpha^3 \beta^2 \omega^2/2500 -$
 $279435757 \cdot i \cdot \alpha^3 \beta^2 \omega/1000 - 813110529 \cdot \alpha^3 \beta^2 \omega^8/200 + 1936536433 \cdot i \cdot \alpha^3 \beta^2 \omega^7/50 +$
 $26546871467 \cdot \alpha^3 \beta^2 \omega^6/100 - 13201277387 \cdot i \cdot \alpha^3 \beta^2 \omega^5/10 - 23692409789 \cdot \alpha^3 \beta^2 \omega^4/5 +$
 $11303511098 \cdot i^2 \cdot \alpha^3 \beta^2 \omega^3 + 15423621517 \cdot \alpha^3 \beta^2 \omega^2 - 3504 \cdot \alpha^3 \beta^2 \omega^1/5 + 235511 \cdot i \cdot \alpha^3 \beta^2 \omega^0 +$
 $274334 \cdot \alpha^3 \beta^2 \omega^9/5 - 1409206 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 - 5290047 \cdot \alpha^3 \beta^2 \omega^7/50 + 6092734 \cdot i \cdot \alpha^3 \beta^2 \omega^6/5 +$
 $51129276 \cdot \alpha^3 \beta^2 \omega^5/5 - 38869924 \cdot i \cdot \alpha^3 \beta^2 \omega^4/5 - 109542720 \cdot \alpha^3 \beta^2 \omega^3/5 + 39479619 \cdot i \cdot \alpha^3 \beta^2 \omega^2/500 -$
 $137513877 \cdot \alpha^3 \beta^2 \omega^1/100 + 1546703023 \cdot i \cdot \alpha^3 \beta^2 \omega^0/100 + 103339413 \cdot \alpha^3 \beta^2 \omega^9/5 -$
 $2525700984 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 - 1464472385 \cdot \alpha^3 \beta^2 \omega^7/5 + 2831257851 \cdot i \cdot \alpha^3 \beta^2 \omega^6/5 +$
 $15450446 \cdot \alpha^3 \beta^2 \omega^5/625 - 72567306 \cdot i \cdot \alpha^3 \beta^2 \omega^4/125 - 4094467419 \cdot \alpha^3 \beta^2 \omega^3/500 +$
 $375667986 \cdot i \cdot \alpha^3 \beta^2 \omega^2/5 + 25431594141 \cdot \alpha^3 \beta^2 \omega^1/50 - 12387038691 \cdot i^2 \cdot \alpha^3 \beta^2 \omega^0/5 -$
 $44747606592 \cdot \alpha^3 \beta^2 \omega^9/5 + 21091402578 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 + 30907373596 \cdot \alpha^3 \beta^2 \omega^7/5 +$
 $17399287 \cdot i \cdot \alpha^3 \beta^2 \omega^6/6250 + 206692703 \cdot \alpha^3 \beta^2 \omega^5/2500 - 7050768851 \cdot i \cdot \alpha^3 \beta^2 \omega^4/5000 -$
 $3238154333 \cdot \alpha^3 \beta^2 \omega^3/200 + 6929900069 \cdot i \cdot \alpha^3 \beta^2 \omega^2/50 + 9054431771 \cdot \alpha^3 \beta^2 \omega^1/10 -$
 $230315069987 \cdot i \cdot \alpha^3 \beta^2 \omega^0/50 - 89688134348 \cdot \alpha^3 \beta^2 \omega^9/5 + 262042946883 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 +$
 $104195286264 \cdot \alpha^3 \beta^2 \omega^7/5 - 122393862165 \cdot i \cdot \alpha^3 \beta^2 \omega^6/5 - 1584 \cdot \alpha^3 \beta^2 \omega^5/5 -$
 $8346 \cdot i \cdot \alpha^3 \beta^2 \omega^4/5 - 6876 \cdot \alpha^3 \beta^2 \omega^3/5 + 69516 \cdot i \cdot \alpha^3 \beta^2 \omega^2/5 - 19063 \cdot \alpha^3 \beta^2 \omega^1/2 +$
 $114454 \cdot i \cdot \alpha^3 \beta^2 \omega^0/2 + 4583822 \cdot \alpha^3 \beta^2 \omega^9/5 - 3487420 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 - 8655982 \cdot \alpha^3 \beta^2 \omega^7/4 -$
 $2040763 \cdot i \cdot \alpha^3 \beta^2 \omega^6/125 - 2786361 \cdot \alpha^3 \beta^2 \omega^5/10 + 77561152 \cdot i \cdot \alpha^3 \beta^2 \omega^4/25 +$
 $102078228 \cdot \alpha^3 \beta^2 \omega^3/5 - 492445369 \cdot i \cdot \alpha^3 \beta^2 \omega^2/5 - 280883566 \cdot \alpha^3 \beta^2 \omega^1/5 +$
 $532401850 \cdot i \cdot \alpha^3 \beta^2 \omega^0/5 + 24704173 \cdot \alpha^3 \beta^2 \omega^9/5 - 221839201 \cdot i \cdot \alpha^3 \beta^2 \omega^8/1000 -$
 $123459923 \cdot \alpha^3 \beta^2 \omega^7/40 + 1387736247 \cdot i \cdot \alpha^3 \beta^2 \omega^6/50 + 4656087243 \cdot \alpha^3 \beta^2 \omega^5/25 -$
 $8942573847 \cdot i \cdot \alpha^3 \beta^2 \omega^4/10 - 32180500469 \cdot \alpha^3 \beta^2 \omega^3/10 + 7486610118 \cdot i \cdot \alpha^3 \beta^2 \omega^2/5 +$
 $11129343784 \cdot \alpha^3 \beta^2 \omega^1/2 + 16384763 \cdot i \cdot \alpha^3 \beta^2 \omega^0/6250 + 183546963 \cdot \alpha^3 \beta^2 \omega^9/2500 -$
 $3056893961 \cdot i \cdot \alpha^3 \beta^2 \omega^8/2500 - 3425987863 \cdot \alpha^3 \beta^2 \omega^7/250 + 5786388511 \cdot i \cdot \alpha^3 \beta^2 \omega^6/50 +$
 $18627810117 \cdot \alpha^3 \beta^2 \omega^5/25 - 188207012909 \cdot i \cdot \alpha^3 \beta^2 \omega^4/50 - 72587150301 \cdot \alpha^3 \beta^2 \omega^3/5 +$
 $83877069720 \cdot i \cdot \alpha^3 \beta^2 \omega^2/2 - 101871771068 \cdot \alpha^3 \beta^2 \omega^1/2 - 805782 \cdot \alpha^3 \beta^2 \omega^0/3125 +$
 $27178834 \cdot i \cdot \alpha^3 \beta^2 \omega^9/3125 + 1056704267 \cdot \alpha^3 \beta^2 \omega^8/6250 - 11259549733 \cdot i \cdot \alpha^3 \beta^2 \omega^7/5000 -$
 $56877675493 \cdot \alpha^3 \beta^2 \omega^6/2500 + 180186211529 \cdot i \cdot \alpha^3 \beta^2 \omega^5/1000 + 1147997765089 \cdot \alpha^3 \beta^2 \omega^4/1000 -$
 $589511902563 \cdot i \cdot \alpha^3 \beta^2 \omega^3/100 - 1219931911559 \cdot \alpha^3 \beta^2 \omega^2/50 + 397258396394 \cdot i \cdot \alpha^3 \beta^2 \omega^1/5 +$
 $1977008013151 \cdot \alpha^3 \beta^2 \omega^0/10 - 340057909440 \cdot i \cdot \alpha^3 \beta^2 \omega^9/5 - 347765871813 \cdot \alpha^3 \beta^2 \omega^8/5 +$
 $28 \cdot i \cdot \alpha^3 \beta^2 \omega^7/5 + 704 \cdot \alpha^3 \beta^2 \omega^6/5 + 436 \cdot i \cdot \alpha^3 \beta^2 \omega^5/5 - 1368 \cdot \alpha^3 \beta^2 \omega^4/5 +$
 $1132 \cdot i \cdot \alpha^3 \beta^2 \omega^3/5 + 8232 \cdot \alpha^3 \beta^2 \omega^2/5 + 5465 \cdot i \cdot \alpha^3 \beta^2 \omega^1/5 + 8380 \cdot \alpha^3 \beta^2 \omega^0/5 -$
 $23514 \cdot \alpha^3 \beta^2 \omega^9/5 + 20032 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 + 147486 \cdot \alpha^3 \beta^2 \omega^7/5 + 2624 \cdot i \cdot \alpha^3 \beta^2 \omega^6/5 -$
 $16494 \cdot \alpha^3 \beta^2 \omega^5/5 + 13812 \cdot i \cdot \alpha^3 \beta^2 \omega^4/5 + 100664 \cdot \alpha^3 \beta^2 \omega^3/5 - 96179 \cdot i \cdot \alpha^3 \beta^2 \omega^2/100 -$
 $40513 \cdot \alpha^3 \beta^2 \omega^1/5 + 383302 \cdot i \cdot \alpha^3 \beta^2 \omega^0/5 + 252022 \cdot \alpha^3 \beta^2 \omega^9/5 - 920995 \cdot i \cdot \alpha^3 \beta^2 \omega^8/5 +$
 $17786 \cdot \alpha^3 \beta^2 \omega^7/5 + 47883 \cdot i \cdot \alpha^3 \beta^2 \omega^6/5 - 253861 \cdot \alpha^3 \beta^2 \omega^5/10 + 114226 \cdot i \cdot \alpha^3 \beta^2 \omega^4/10 +$
 $828783 \cdot \alpha^3 \beta^2 \omega^3/10 + 36956 \cdot i \cdot \alpha^3 \beta^2 \omega^2/10 - 210286 \cdot \alpha^3 \beta^2 \omega^1/5 + 183516 \cdot i \cdot \alpha^3 \beta^2 \omega^0/5 +$
 $1338338 \cdot \alpha^3 \beta^2 \omega^9/5 - 571637 \cdot i \cdot \alpha^3 \beta^2 \omega^8/50 - 504841 \cdot \alpha^3 \beta^2 \omega^7/5 + 4776083 \cdot i \cdot \alpha^3 \beta^2 \omega^6/5 +$
 $3232198 \cdot \alpha^3 \beta^2 \omega^5/5 - 11765416 \cdot i \cdot \alpha^3 \beta^2 \omega^4/5 + 7592 \cdot \alpha^3 \beta^2 \omega^3/5 - 14688 \cdot i \cdot \alpha^3 \beta^2 \omega^2/5 +$
 $62732 \cdot \alpha^3 \beta^2 \omega^1/5 + 454536 \cdot \alpha^3 \beta^2 \omega^0/5 - 872377 \cdot i \cdot \alpha^3 \beta^2 \omega^9/100 - 375789 \cdot \alpha^3 \beta^2 \omega^8/5 +$
 $708974 \cdot i \cdot \alpha^3 \beta^2 \omega^7/5 + 2359966 \cdot \alpha^3 \beta^2 \omega^6/5 - 8568749 \cdot i \cdot \alpha^3 \beta^2 \omega^5/5 + 1630511 \cdot \alpha^3 \beta^2 \omega^4/1000 -$
 $106344 \cdot i \cdot \alpha^3 \beta^2 \omega^3/5 - 24684151 \cdot \alpha^3 \beta^2 \omega^2/100 + 7388196 \cdot i \cdot \alpha^3 \beta^2 \omega^1/5 + 15624409 \cdot \alpha^3 \beta^2 \omega^0/2 -$
 $21313730 \cdot i \cdot \alpha^3 \beta^2 \omega^9/5 - 51649387 \cdot \alpha^3 \beta^2 \omega^8/5 + 23131 \cdot i \cdot \alpha^3 \beta^2 \omega^7/5 + 104034 \cdot \alpha^3 \beta^2 \omega^6/5 -$
 $523939 \cdot i \cdot \alpha^3 \beta^2 \omega^5/10 + 261849 \cdot \alpha^3 \beta^2 \omega^4/5 + 1818688 \cdot i \cdot \alpha^3 \beta^2 \omega^3/5 + 143089 \cdot \alpha^3 \beta^2 \omega^2/5 -$
 $776446 \cdot i \cdot \alpha^3 \beta^2 \omega^1/5 + 730264 \cdot \alpha^3 \beta^2 \omega^0/5 + 5167422 \cdot \alpha^3 \beta^2 \omega^9/100 - 4032327 \cdot i \cdot \alpha^3 \beta^2 \omega^8/100 -$
 $1932178 \cdot \alpha^3 \beta^2 \omega^7/5 + 36176327 \cdot i \cdot \alpha^3 \beta^2 \omega^6/10 + 12845134 \cdot \alpha^3 \beta^2 \omega^5/5 - 45298123 \cdot i \cdot \alpha^3 \beta^2 \omega^4/5 +$
 $72372 \cdot i \cdot \alpha^3 \beta^2 \omega^3/5 - 128794 \cdot \alpha^3 \beta^2 \omega^2/5 + 583412 \cdot i \cdot \alpha^3 \beta^2 \omega^1/5 + 4161826 \cdot \alpha^3 \beta^2 \omega^0/5 -$
 $1802006 \cdot i \cdot \alpha^3 \beta^2 \omega^9/25 - 3307446 \cdot \alpha^3 \beta^2 \omega^8/5 +$

$30984767 \cdot i \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^{7/5} + 21429928 \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^6 - 76413986 \cdot i \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^5 +$
 $1282809 \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^{10/100} - 17906979 \cdot i \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^{9/100} - 208476101 \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^{8/100} +$
 $64586653 \cdot i \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^{7/5} + 68044552 \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^6 - 190426104 \cdot i \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^5 - 452107467 \cdot \beta_1^3 \cdot \beta_2^3 \cdot \omega^4 +$
 $10332 \cdot i \cdot \beta_1^3 \cdot \beta_3^4 \cdot \omega^7 - 144302 \cdot \beta_1^3 \cdot \beta_3^3 \cdot \omega^{8/5} + 127628 \cdot i \cdot \beta_1^3 \cdot \beta_3^3 \cdot \omega^7 + 905560 \cdot \beta_1^3 \cdot \beta_3^3 \cdot \omega^6 -$
 $2707259 \cdot i \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{9/100} - 1207671 \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{8/5} + 11282274 \cdot i \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{7/5} +$
 $7656358 \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^6 - 27288587 \cdot i \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^5 + 5242239 \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{10/500} - 7082249 \cdot i \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{9/50} -$
 $16405187 \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{8/10} + 49922823 \cdot i \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{7/5} + 262318479 \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^{6/5} - 144687426 \cdot i \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^5 -$
 $344641178 \cdot \beta_1^3 \cdot \beta_3^2 \cdot \omega^4 + 1801627 \cdot i \cdot \beta_1^3 \cdot \omega^{11/1250} + 3279931 \cdot \beta_1^3 \cdot \omega^{10/125} - 363153091 \cdot i \cdot \beta_1^3 \cdot \omega^{9/1000} -$
 $152765433 \cdot \beta_1^3 \cdot \omega^{8/50} + 209316977 \cdot i \cdot \beta_1^3 \cdot \omega^{7/10} + 490964804 \cdot \beta_1^3 \cdot \omega^{6/5} - 3759694139 \cdot i \cdot \beta_1^3 \cdot \omega^{5/10} -$
 $874203146 \cdot \beta_1^3 \cdot \omega^4 + 1563577456 \cdot i \cdot \beta_1^3 \cdot \omega^3 + 5490 \cdot i \cdot \beta_1^2 \cdot \beta_2^5 \cdot \omega^7 + 73637 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \beta_3 \cdot \omega^7 -$
 $327417 \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^{8/10} + 215265 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^7 + 1321071 \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^6 + 181030 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^7 -$
 $377429 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^{8/2} + 1027261 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^7 + 6719740 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^6 -$
 $183823 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{9/4} - 1040539 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{8/2} + 47468799 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{7/10} + 18432089 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^6$
 $- 60020332 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^5 + 163809 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^7 - 1434196 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{8/5} +$
 $1441684 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^7 + 9689703 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^6 - 3116649 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{9/20} -$
 $7978812 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{8/5} + 146116217 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{7/10} + 53801970 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^6 -$
 $181123051 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^5 + 3322781 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{10/125} - 41804941 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{9/100} -$
 $122036186 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{8/25} + 159883996 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{7/5} + 830877889 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{6/5} -$
 $483517157 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^5 - 1084087581 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^4 + 56116 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^4 \cdot \omega^7 -$
 $757906 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{8/5} + 732284 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^7 + 4956182 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^6 -$
 $13805169 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{9/100} - 6717967 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{8/5} + 61525143 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{7/5} +$
 $43947392 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^6 - 150019459 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^5 + 25907673 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{10/500} -$
 $15305907 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{9/20} - 885359487 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{8/100} + 281292602 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{7/5} +$
 $1460958504 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{6/5} - 831441174 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^5 - 1899625353 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^4 +$
 $17182917 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{11/2500} + 137447683 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{10/1000} - 385743307 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{9/200} -$
 $1690067669 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{8/100} + 11629310033 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{7/100} + 2795664698 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{6/5} -$
 $21229233271 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^{5/10} - 5029312650 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^4 + 8629153383 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \omega^3 + 4644 \cdot i \cdot \beta_1^2 \cdot \beta_3^5 \cdot \omega^7 -$
 $109914 \cdot \beta_1^2 \cdot \beta_3^4 \cdot \omega^{8/5} + 104872 \cdot i \cdot \beta_1^2 \cdot \beta_3^4 \cdot \omega^7 + 696576 \cdot \beta_1^2 \cdot \beta_3^4 \cdot \omega^6 - 3209649 \cdot i \cdot \beta_1^2 \cdot \beta_3^3 \cdot \omega^{9/100} -$
 $1523161 \cdot \beta_1^2 \cdot \beta_3^3 \cdot \omega^{8/5} + 2772076 \cdot i \cdot \beta_1^2 \cdot \beta_3^3 \cdot \omega^7 + 9719502 \cdot \beta_1^2 \cdot \beta_3^3 \cdot \omega^6 - 33029845 \cdot i \cdot \beta_1^2 \cdot \beta_3^3 \cdot \omega^5 +$
 $5119413 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{10/250} - 1461113 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{9/5} - 335679073 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{8/100} +$
 $104640309 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{7/5} + 108274926 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^6 - 303181804 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^5 -$
 $694924041 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^4 + 2992961 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{11/500} + 14334892 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{10/125} -$
 $1590491017 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{9/1000} - 341441423 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{8/25} + 2332842278 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{7/25} +$
 $2212217933 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{6/5} - 16755701349 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^{5/10} - 3920484174 \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^4 +$
 $6783359518 \cdot i \cdot \beta_1^2 \cdot \beta_3^2 \cdot \omega^3 - 820481 \cdot \beta_1^2 \cdot \omega^{12/1250} + 9925572 \cdot i \cdot \beta_1^2 \cdot \omega^{11/625} + 323209537 \cdot \beta_1^2 \cdot \omega^{10/1250} -$
 $277555961 \cdot i \cdot \beta_1^2 \cdot \omega^{9/100} - 23356989543 \cdot \beta_1^2 \cdot \omega^{8/1000} + 593170847 \cdot i \cdot \beta_1^2 \cdot \omega^{7/4} + 38030644931 \cdot \beta_1^2 \cdot \omega^{6/50} -$
 $2944548668 \cdot i \cdot \beta_1^2 \cdot \omega^5 - 89891204829 \cdot \beta_1^2 \cdot \omega^{4/10} + 18094537832 \cdot i \cdot \beta_1^2 \cdot \omega^3 + 25136588346 \cdot \beta_1^2 \cdot \omega^2 -$
 $3291 \cdot i \cdot \beta_1^2 \cdot \beta_2^6 \cdot \omega^7 + 6570 \cdot i \cdot \beta_1^2 \cdot \beta_2^5 \cdot \beta_3 \cdot \omega^7 + 5694 \cdot \beta_1^2 \cdot \beta_2^5 \cdot \omega^{8/5} + 28169 \cdot i \cdot \beta_1^2 \cdot \beta_2^5 \cdot \omega^7 + 51782 \cdot \beta_1^2 \cdot \beta_2^5 \cdot \omega^6$
 $+ 64890 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^7 - 294368 \cdot \beta_1^2 \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^{8/5} + 433370 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^7 + 2288954 \cdot \beta_1^2 \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^6 -$
 $54353 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^{9/5} - 190982 \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^8 + 16413997 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^{7/10} + 7711031 \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^6 -$
 $19778319 \cdot i \cdot \beta_1^2 \cdot \beta_2^4 \cdot \omega^5 + 101550 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^3 \cdot \omega^7 - 1802587 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^{8/10} +$
 $1063916 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^7 + 6245254 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^6 - 933621 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^{9/10} -$
 $1148933 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^8 + 50057651 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^{7/5} + 40686126 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^6 -$
 $119754878 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^5 + 14400911 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{10/1000} - 28304331 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{9/100} -$
 $333379441 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{8/100} + 239192997 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{7/10} + 1206853959 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^{6/10} -$
 $372443554 \cdot i \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^5 - 728519396 \cdot \beta_1^2 \cdot \beta_2^3 \cdot \omega^4 + 54258 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^4 \cdot \omega^7 - 834542 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{8/5} +$
 $917538 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^7 + 5501056 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^6 - 3915627 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{9/25} -$
 $17304967 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{8/10} + 151373567 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{7/10} + 58065616 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^6 -$
 $178612252 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^5 + 28920751 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{10/500} - 24444001 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{9/25} -$
 $562312027 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{8/50} + 379350899 \cdot i \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{7/5} + 1916902824 \cdot \beta_1^2 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{6/5} -$

$1136364124 \cdot i \cdot \beta_1 \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^5 - 2356688758 \cdot \beta_1 \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^4 + 4568997 \cdot i \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{11/625} +$
 $170005157 \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{10/1000} - 488792567 \cdot i \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{9/200} - 1136534567 \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{8/50} +$
 $15723592937 \cdot i \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{7/100} + 7810454653 \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{6/10} - 14534626463 \cdot i \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^{5/5} -$
 $7033442456 \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^4 + 10982711477 \cdot i \cdot \beta_1 \cdot \beta_2^2 \cdot \omega^3 + 6432 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^5 \cdot \omega^7 - 250844 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^4 \cdot \omega^{8/5} +$
 $279100 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^4 \cdot \omega^7 + 1592400 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^4 \cdot \omega^6 - 818613 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^3 \cdot \omega^{9/10} - 872998 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^3 \cdot \omega^8 +$
 $37811211 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^3 \cdot \omega^{7/5} + 28334776 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^3 \cdot \omega^6 - 87073960 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^3 \cdot \omega^5 +$
 $26883163 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^{10/500} - 3419399 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^{9/4} - 970887877 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^{8/100} +$
 $317726408 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^{7/5} + 319998140 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^6 - 927258549 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^5 -$
 $1958840333 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3^2 \cdot \omega^4 + 39062197 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{11/2500} + 33395079 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{10/100} -$
 $2341801707 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{9/500} - 2101837891 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{8/50} + 14356874313 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{7/50} +$
 $6978073622 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{6/5} - 25942814313 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^{5/5} - 12349501628 \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^4 +$
 $19858592138 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \beta_3 \cdot \omega^3 - 1041468 \cdot \beta_1 \cdot \beta_2 \cdot \omega^{12/625} + 56605993 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \omega^{11/1250} +$
 $3794583433 \cdot \beta_1 \cdot \beta_2 \cdot \omega^{10/5000} - 1704997109 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \omega^{9/200} - 36405185851 \cdot \beta_1 \cdot \beta_2 \cdot \omega^{8/500} +$
 $11841209227 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \omega^{7/25} + 121721404467 \cdot \beta_1 \cdot \beta_2 \cdot \omega^{6/50} - 47733579436 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \omega^{5/5} -$
 $143526797656 \cdot \beta_1 \cdot \beta_2 \cdot \omega^{4/5} + 58126021550 \cdot i \cdot \beta_1 \cdot \beta_2 \cdot \omega^3 + 75319524911 \cdot \beta_1 \cdot \beta_2 \cdot \omega^2 - 1080 \cdot i \cdot \beta_1 \cdot \beta_3^6 \cdot \omega^7 -$
 $9324 \cdot \beta_1 \cdot \beta_3^5 \cdot \omega^{8/5} + 14928 \cdot i \cdot \beta_1 \cdot \beta_3^5 \cdot \omega^7 + 52560 \cdot \beta_1 \cdot \beta_3^5 \cdot \omega^6 - 511621 \cdot i \cdot \beta_1 \cdot \beta_3^4 \cdot \omega^{9/50} -$
 $564992 \cdot \beta_1 \cdot \beta_3^4 \cdot \omega^{8/5} + 4690204 \cdot i \cdot \beta_1 \cdot \beta_3^4 \cdot \omega^{7/5} + 3546892 \cdot \beta_1 \cdot \beta_3^4 \cdot \omega^6 - 10153618 \cdot i \cdot \beta_1 \cdot \beta_3^4 \cdot \omega^5 +$
 $6074703 \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^{10/500} - 9521531 \cdot i \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^{9/50} - 53312804 \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^{8/25} + 68935849 \cdot i \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^{7/5} +$
 $342432077 \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^{6/5} - 195877320 \cdot i \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^5 - 406864452 \cdot \beta_1 \cdot \beta_3^3 \cdot \omega^4 + 1579331 \cdot i \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{11/250} +$
 $130177263 \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{10/1000} - 1800069379 \cdot i \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{9/1000} - 792884699 \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{8/50} +$
 $5362991109 \cdot i \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{7/50} + 5141648361 \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{6/10} - 18995456929 \cdot i \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^{5/10} -$
 $4462001060 \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^4 + 7193941772 \cdot i \cdot \beta_1 \cdot \beta_3^2 \cdot \omega^3 - 9590013 \cdot \beta_1 \cdot \beta_3 \cdot \omega^{12/6250} + 98880979 \cdot i \cdot \beta_1 \cdot \beta_3 \cdot \omega^{11/2500}$
 $+ 324599433 \cdot \beta_1 \cdot \beta_3 \cdot \omega^{10/500} - 178099306 \cdot i \cdot \beta_1 \cdot \beta_3 \cdot \omega^{9/25} - 7507131861 \cdot \beta_1 \cdot \beta_3 \cdot \omega^{8/125} +$
 $9623470498 \cdot i \cdot \beta_1 \cdot \beta_3 \cdot \omega^{7/25} + 9813092188 \cdot \beta_1 \cdot \beta_3 \cdot \omega^{6/5} - 38062391782 \cdot i \cdot \beta_1 \cdot \beta_3 \cdot \omega^{5/5} - 114104616007 \cdot \beta_1 \cdot \beta_3 \cdot \omega^{4/5}$
 $+ 45765718208 \cdot i \cdot \beta_1 \cdot \beta_3 \cdot \omega^3 + 60074686408 \cdot \beta_1 \cdot \beta_3 \cdot \omega^2 - 444153 \cdot i \cdot \beta_1 \cdot \omega^{13/3125} - 27724377 \cdot \beta_1 \cdot \omega^{12/6250} +$
 $527807359 \cdot i \cdot \beta_1 \cdot \omega^{11/6250} + 5506842063 \cdot \beta_1 \cdot \omega^{10/5000} - 27614446297 \cdot i \cdot \beta_1 \cdot \omega^9/2500 - 86916744241 \cdot \beta_1 \cdot \omega^{8/1000} +$
 $554642763237 \cdot i \cdot \beta_1 \cdot \omega^{7/1000} + 285412996173 \cdot \beta_1 \cdot \omega^{6/100} - 298362675604 \cdot i \cdot \beta_1 \cdot \omega^{5/25} - 196235086593 \cdot \beta_1 \cdot \omega^{4/5} +$
 $200079686579 \cdot i \cdot \beta_1 \cdot \omega^{3/2} + 175449503174 \cdot \beta_1 \cdot \omega^2 - 193805150287 \cdot i \cdot \beta_1 \cdot \omega + 228 \cdot i \cdot \beta_2^7 \cdot \omega^7 - 3497 \cdot i \cdot \beta_2^6 \cdot \beta_3 \cdot \omega^7 +$
 $816 \cdot \beta_2^6 \cdot \omega^8 - 9998 \cdot i \cdot \beta_2^6 \cdot \omega^7 - 55455 \cdot \beta_2^6 \cdot \omega^6 + 1632 \cdot i \cdot \beta_2^5 \cdot \beta_3^2 \cdot \omega^7 + 11638 \cdot \beta_2^5 \cdot \beta_3 \cdot \omega^{8/5} +$
 $15759 \cdot i \cdot \beta_2^5 \cdot \beta_3 \cdot \omega^7 - 27608 \cdot \beta_2^5 \cdot \beta_3 \cdot \omega^6 + 77883 \cdot i \cdot \beta_2^5 \cdot \omega^{9/100} + 4637 \cdot \beta_2^5 \cdot \omega^8 - 114891 \cdot i \cdot \beta_2^5 \cdot \omega^{7/5} +$
 $72015 \cdot \beta_2^5 \cdot \omega^6 + 888876 \cdot i \cdot \beta_2^5 \cdot \omega^5 + 19338 \cdot i \cdot \beta_2^4 \cdot \beta_3^3 \cdot \omega^7 - 48955 \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^{8/2} +$
 $189687 \cdot i \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^7 + 954328 \cdot \beta_2^4 \cdot \beta_3^2 \cdot \omega^6 - 89381 \cdot i \cdot \beta_2^4 \cdot \beta_3 \cdot \omega^{9/10} - 836839 \cdot \beta_2^4 \cdot \beta_3 \cdot \omega^{8/5} +$
 $13945189 \cdot i \cdot \beta_2^4 \cdot \beta_3 \cdot \omega^{7/10} + 6555751 \cdot \beta_2^4 \cdot \beta_3 \cdot \omega^6 - 15164917 \cdot i \cdot \beta_2^4 \cdot \beta_3 \cdot \omega^5 + 241857 \cdot \beta_2^4 \cdot \omega^{10/250} -$
 $3068229 \cdot i \cdot \beta_2^4 \cdot \omega^{9/100} - 41278281 \cdot \beta_2^4 \cdot \omega^{8/100} + 17024408 \cdot i \cdot \beta_2^4 \cdot \omega^{7/5} + 169373171 \cdot \beta_2^4 \cdot \omega^{6/10} -$
 $55434984 \cdot i \cdot \beta_2^4 \cdot \omega^5 - 77482932 \cdot \beta_2^4 \cdot \omega^4 + 17392 \cdot i \cdot \beta_2^3 \cdot \beta_3^4 \cdot \omega^7 - 479953 \cdot \beta_2^3 \cdot \beta_3^3 \cdot \omega^{8/10} +$
 $281530 \cdot i \cdot \beta_2^3 \cdot \beta_3^3 \cdot \omega^7 + 1617422 \cdot \beta_2^3 \cdot \beta_3^3 \cdot \omega^6 - 2014823 \cdot i \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^{9/50} - 5169391 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^{8/10} +$
 $43944063 \cdot i \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^{7/10} + 17799410 \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^6 - 49825314 \cdot i \cdot \beta_2^3 \cdot \beta_3^2 \cdot \omega^5 +$
 $13222303 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^{10/1000} - 27237281 \cdot i \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^{9/100} - 318896589 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^{8/100} +$
 $45971115 \cdot i \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^{7/2} + 1137015271 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^{6/10} - 347458666 \cdot i \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^5 - 632600912 \cdot \beta_2^3 \cdot \beta_3 \cdot \omega^4 +$
 $7350837 \cdot i \cdot \beta_2^3 \cdot \omega^{11/5000} + 21290233 \cdot \beta_2^3 \cdot \omega^{10/500} - 330032489 \cdot i \cdot \beta_2^3 \cdot \omega^{9/500} - 662906653 \cdot \beta_2^3 \cdot \omega^{8/100} +$
 $2352314013 \cdot i \cdot \beta_2^3 \cdot \omega^{7/50} + 2415300123 \cdot \beta_2^3 \cdot \omega^{6/10} - 8806802047 \cdot i \cdot \beta_2^3 \cdot \omega^{5/10} - 2142829443 \cdot \beta_2^3 \cdot \omega^4 +$
 $2851263666 \cdot i \cdot \beta_2^3 \cdot \omega^3 + 1368 \cdot i \cdot \beta_2^2 \cdot \beta_3^5 \cdot \omega^7 - 227787 \cdot \beta_2^2 \cdot \beta_3^4 \cdot \omega^{8/10} + 123912 \cdot i \cdot \beta_2^2 \cdot \beta_3^4 \cdot \omega^7 +$
 $693452 \cdot \beta_2^2 \cdot \beta_3^4 \cdot \omega^6 - 1953507 \cdot i \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{9/50} - 4466421 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{8/10} + 7594037 \cdot i \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^{7/2} +$
 $14467826 \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^6 - 41867226 \cdot i \cdot \beta_2^2 \cdot \beta_3^3 \cdot \omega^5 + 12604349 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{10/500} -$
 $44822263 \cdot i \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{9/100} - 510342659 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{8/100} + 346398269 \cdot i \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{7/10} +$
 $1712177253 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^{6/10} - 503093318 \cdot i \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^5 - 979939378 \cdot \beta_2^2 \cdot \beta_3^2 \cdot \omega^4 +$
 $4381812 \cdot i \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{11/625} + 34339417 \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{10/200} - 2478816531 \cdot i \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{9/1000} -$
 $582611969 \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{8/25} + 641663149 \cdot i \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{7/4} + 7951525001 \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{6/10} -$
 $14513662136 \cdot i \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^{5/5} - 6932199828 \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^4 + 10132345471 \cdot i \cdot \beta_2^2 \cdot \beta_3 \cdot \omega^3 - 1756267 \cdot \beta_2^2 \cdot \omega^{12/2500}$
 $+ 111015483 \cdot i \cdot \beta_2^2 \cdot \omega^{11/5000} + 1970850599 \cdot \beta_2^2 \cdot \omega^{10/5000} - 585353606 \cdot i \cdot \beta_2^2 \cdot \omega^{9/125} -$

20569487919* $\beta^2 \omega^8/500$ + 27491313629*i* $\beta^2 \omega^7/100$ + 28452258747* $\beta^2 \omega^6/20$ -
 28132295526*i* $\beta^2 \omega^5/5$ - 165916901991* $\beta^2 \omega^4/10$ + 33318495379*i* $\beta^2 \omega^3$ + 38784206306* $\beta^2 \omega^2$ -
 2016*i* $\beta^2 \beta^3 \omega^7$ + 696* $\beta^2 \beta^3 \omega^8/5$ + 1848*i* $\beta^2 \beta^3 \omega^7$ - 25416* $\beta^2 \beta^3 \omega^6$ - 956347*i* $\beta^2 \beta^3 \omega^9/100$
 - 548172* $\beta^2 \beta^3 \omega^8/5$ + 892292*i* $\beta^2 \beta^3 \omega^7$ + 3346618* $\beta^2 \beta^3 \omega^6$ - 8794891*i* $\beta^2 \beta^3 \omega^5$ +
 6419869* $\beta^2 \beta^3 \omega^{10}/500$ - 21710259*i* $\beta^2 \beta^3 \omega^9/100$ - 243142247* $\beta^2 \beta^3 \omega^8/100$ +
 80217519*i* $\beta^2 \beta^3 \omega^7/5$ + 391229598* $\beta^2 \beta^3 \omega^6/5$ - 224447261*i* $\beta^2 \beta^3 \omega^5$ - 434099891* $\beta^2 \beta^3 \omega^4$ +
 341399*i* $\beta^2 \beta^3 \omega^{11}/50$ + 38728927* $\beta^2 \beta^3 \omega^{10}/250$ - 2176993249*i* $\beta^2 \beta^3 \omega^9/1000$ -
 1978730277* $\beta^2 \beta^3 \omega^8/100$ + 13408860551*i* $\beta^2 \beta^3 \omega^7/100$ + 6502411519* $\beta^2 \beta^3 \omega^6/10$ -
 23615336003*i* $\beta^2 \beta^3 \omega^5/10$ - 5545338389* $\beta^2 \beta^3 \omega^4$ + 8309591242*i* $\beta^2 \beta^3 \omega^3$ -
 10248107* $\beta^2 \beta^3 \omega^{12}/6250$ + 117849389*i* $\beta^2 \beta^3 \omega^{11}/2500$ + 3996763287* $\beta^2 \beta^3 \omega^{10}/5000$ -
 9115861707*i* $\beta^2 \beta^3 \omega^9/1000$ - 39033568767* $\beta^2 \beta^3 \omega^8/500$ + 25467426493*i* $\beta^2 \beta^3 \omega^7/50$ +
 130047924351* $\beta^2 \beta^3 \omega^6/50$ - 50683652128*i* $\beta^2 \beta^3 \omega^5/5$ - 149382421894* $\beta^2 \beta^3 \omega^4/5$ +
 59522793710*i* $\beta^2 \beta^3 \omega^3$ + 72368409973* $\beta^2 \beta^3 \omega^2$ - 919839*i* $\beta^2 \omega^{13}/6250$ - 16162284* $\beta^2 \omega^{12}/3125$ +
 2586320269*i* $\beta^2 \omega^{11}/25000$ + 7061616061* $\beta^2 \omega^{10}/5000$ - 36389421531*i* $\beta^2 \omega^9/2500$ - 4692024927* $\beta^2 \omega^8/40$ +
 189534090189*i* $\beta^2 \omega^7/250$ + 394284171197* $\beta^2 \omega^6/100$ - 412156651718*i* $\beta^2 \omega^5/25$ - 270915051562* $\beta^2 \omega^4/5$ +
 1356656145613*i* $\beta^2 \omega^3/10$ + 234813180540* $\beta^2 \omega^2$ - 239285198621*i* $\beta^2 \omega$ + 594* $\beta^3 \omega^8$ - 3312*i* $\beta^3 \omega^7$ -
 18576* $\beta^3 \omega^6$ + 6081*i* $\beta^3 \omega^9/50$ + 606* $\beta^3 \omega^8/5$ - 43494*i* $\beta^3 \omega^7/5$ - 29076* $\beta^3 \omega^6$ +
 282786*i* $\beta^3 \omega^5$ + 1282993* $\beta^3 \omega^{10}/1000$ - 562261*i* $\beta^3 \omega^9/25$ - 12293893* $\beta^3 \omega^8/50$ +
 8055431*i* $\beta^3 \omega^7/5$ + 75040831* $\beta^3 \omega^6/10$ - 21052256*i* $\beta^3 \omega^5$ - 36232062* $\beta^3 \omega^4$ +
 3651977*i* $\beta^3 \omega^{11}/2500$ + 32522259* $\beta^3 \omega^{10}/1000$ - 450814353*i* $\beta^3 \omega^9/1000$ - 100880387* $\beta^3 \omega^8/25$ +
 673916914*i* $\beta^3 \omega^7/25$ + 257381435* $\beta^3 \omega^6/2$ - 918907799*i* $\beta^3 \omega^5/2$ - 1059328238* $\beta^3 \omega^4$ +
 1546964264*i* $\beta^3 \omega^3$ - 8371383* $\beta^3 \omega^{12}/12500$ + 18445167*i* $\beta^3 \omega^{11}/1000$ + 1532096311* $\beta^3 \omega^{10}/5000$ -
 684280189*i* $\beta^3 \omega^9/200$ - 14441556021* $\beta^3 \omega^8/500$ + 18563147559*i* $\beta^3 \omega^7/100$ +
 46883016147* $\beta^3 \omega^6/50$ - 7216595881*i* $\beta^3 \omega^5/2$ - 10550769195* $\beta^3 \omega^4$ + 20763432954*i* $\beta^3 \omega^3$ +
 25329178770* $\beta^3 \omega^2$ - 444153*i* $\beta^3 \omega^{13}/3125$ - 14710504* $\beta^3 \omega^{12}/3125$ + 1140336451*i* $\beta^3 \omega^{11}/12500$ +
 6058928083* $\beta^3 \omega^{10}/5000$ - 30623267737*i* $\beta^3 \omega^9/2500$ - 97025328499* $\beta^3 \omega^8/1000$ +
 619126101939*i* $\beta^3 \omega^7/1000$ + 318124267573* $\beta^3 \omega^6/100$ - 329792285414*i* $\beta^3 \omega^5/25$ - 214866341681* $\beta^3 \omega^4/5$ +
 1072772217947*i* $\beta^3 \omega^3/10$ + 184522421460* $\beta^3 \omega^2$ - 191651741473*i* $\beta^3 \omega$ + 36036* $\omega^{14}/3125$ -
 1405488*i* $\omega^{13}/3125$ - 25001813* $\omega^{12}/2500$ + 768292917*i* $\omega^{11}/5000$ + 22537663259* $\omega^{10}/12500$ -
 84096750697*i* $\omega^9/5000$ - 320633468703* $\omega^8/2500$ + 808086496987*i* $\omega^7/1000$ + 4234116280199* $\omega^6/1000$ -
 458983467651*i* $\omega^5/25$ - 6529263928169* $\omega^4/100$ + 927703799414*i* $\omega^3/5$ + 2031159497934* $\omega^2/5$ -
 621025674712*i* ω - 559363935393)