VHEGEN: A vibronic Hamiltonian expansion generator for trigonal and tetragonal polyatomic systems

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Thank you for using VHEGEN, the V-ibronic H-amiltonian E-xpansion GEN-erator for trigonal and tetragonal polyatomic systems. This is a VHEGEN output file compiled by pdflatex. If the VHEGEN package was used in research resulting in a publication, please reference the article in *Computer Physics Communications* which describes the program ([doi here]). Additional information regarding the matrix element expansion process, including the independent matrix element eigenvalues, their root formulas and constraints, and their transformation to the real basis (if applicable), can be found in the log output file. For questions, bugs, or comments, please contact jbrown88@yorku.ca.

Contents

1 Vibronic interaction

$E_{1g} \otimes (e_{2g} + e_{2g} + e_{1u} + e_{1g} + e_{2u})$ in D_{6h}

$$
\begin{aligned}
\rho_1, \phi_1, x_1, y_1 &\rightarrow e_{2g} \\
\rho_2, \phi_2, x_2, y_2 &\rightarrow e_{2g} \\
\rho_3, \phi_3, x_3, y_3 &\rightarrow e_{1u} \\
\rho_4, \phi_4, x_4, y_4 &\rightarrow e_{1g} \\
\rho_5, \phi_5, x_5, y_5 &\rightarrow e_{2u}
\end{aligned}
$$

2 Vibronic Hamiltonian operator in the complex E basis

$$
\hat{H} = \begin{pmatrix} |+\rangle & |-\rangle \end{pmatrix} \begin{pmatrix} H_{++} & H_{+-} \\ H_{-+} & H_{--} \end{pmatrix} \begin{pmatrix} \langle+| \\ \langle-| \end{pmatrix}
$$

3 Matrix element expansions in the complex E basis

3.1 Order: 0

Number of fitting parameters: H_{++}: 1, H_{+-}: 0.

Polar e-coordinates:

$$
H_{++}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r
$$

$$
H_{--}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r
$$

$$
H_{+-}^{(0)} = 0
$$

$$
H_{-+}^{(0)} = 0
$$

Cartesian e-coordinates:

$$
H_{++}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r
$$

$$
H_{--}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r
$$

$$
H_{+-}^{(0)} = 0
$$

$$
H_{-+}^{(0)} = 0
$$

3.2 Order: 1

Number of fitting parameters: H_{++}: 0, H_{+-}: 2.

Polar e-coordinates:

$$H^{(1)}_{++} = 0$$

$$H^{(1)}_{--} = 0$$

$$H^{(1)}_{+-} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0}\rho_1 \exp(-i\phi_1) + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0}\rho_2 \exp(-i\phi_2)$$

$$H^{(1)}_{-+} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0}\rho_1 \exp(i\phi_1) + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0}\rho_2 \exp(i\phi_2)$$

Cartesian e-coordinates:

$$H^{(1)}_{++} = 0$$

$$H^{(1)}_{--} = 0$$

$$H^{(1)}_{+-} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0}x_1 - ib^r_{-1,0,0,0,0,0,0,0,0,0,0,0}y_1 + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0}x_2 - ib^r_{0,0,-1,0,0,0,0,0,0,0,0,0}y_2$$

$$H^{(1)}_{-+} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0}x_1 + ib^r_{-1,0,0,0,0,0,0,0,0,0,0,0}y_1 + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0}x_2 + ib^r_{0,0,-1,0,0,0,0,0,0,0,0,0}y_2$$

3.3   Order: 2

Number of fitting parameters: H_{++}: 6, H_{+-}: 6.

Polar e-coordinates:

$$
\begin{aligned}
H^{(2)}_{++} =& a^r_{0,0,0,0,0,0,0,0,0,0,0,1}\rho_5^2 + a^r_{0,0,0,0,0,0,0,0,1,0,0,0}\rho_4^2 + a^r_{0,0,0,0,0,1,0,0,0,0,0,0}\rho_3^2 + a^r_{0,0,0,1,0,0,0,0,0,0,0,0}\rho_2^2 + \\
& a^r_{0,1,0,0,0,0,0,0,0,0,0,0}\rho_1^2 + a^r_{1,0,-1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2 \cos(\phi_1 - \phi_2)
\end{aligned}
$$

$$
\begin{aligned}
H^{(2)}_{--} =& a^r_{0,0,0,0,0,0,0,0,0,0,0,1}\rho_5^2 + a^r_{0,0,0,0,0,0,0,0,1,0,0,0}\rho_4^2 + a^r_{0,0,0,0,0,1,0,0,0,0,0,0}\rho_3^2 + a^r_{0,0,0,1,0,0,0,0,0,0,0,0}\rho_2^2 + \\
& a^r_{0,1,0,0,0,0,0,0,0,0,0,0}\rho_1^2 + a^r_{1,0,-1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2 \cos(\phi_1 - \phi_2)
\end{aligned}
$$

$$
\begin{aligned}
H^{(2)}_{+-} =& b^r_{0,0,0,0,-2,0,0,0,0,0,0,0}\rho_3^2 \exp(-2i\phi_3) + b^r_{0,0,0,0,0,0,-2,0,0,0,0,0}\rho_4^2 \exp(-2i\phi_4) + b^r_{0,0,0,0,0,0,0,0,0,0,2,0}\rho_5^2 \exp(2i\phi_5) + \\
& b^r_{0,0,2,0,0,0,0,0,0,0,0,0}\rho_2^2 \exp(2i\phi_2) + b^r_{1,0,1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2 \exp(i(\phi_1 + \phi_2)) + \\
& b^r_{2,0,0,0,0,0,0,0,0,0,0,0}\rho_1^2 \exp(2i\phi_1)
\end{aligned}
$$

$$
\begin{aligned}
H^{(2)}_{-+} =& b^r_{0,0,0,0,-2,0,0,0,0,0,0,0}\rho_3^2 \exp(2i\phi_3) + b^r_{0,0,0,0,0,0,-2,0,0,0,0,0}\rho_4^2 \exp(2i\phi_4) + b^r_{0,0,0,0,0,0,0,0,0,0,2,0}\rho_5^2 \exp(-2i\phi_5) + \\
& b^r_{0,0,2,0,0,0,0,0,0,0,0,0}\rho_2^2 \exp(-2i\phi_2) + b^r_{1,0,1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2 \exp(-i(\phi_1 + \phi_2)) + b^r_{2,0,0,0,0,0,0,0,0,0,0,0}\rho_1^2 \exp(-\\
& 2i\phi_1)
\end{aligned}
$$

Cartesian e-coordinates:

$$H^{(2)}_{++} = a^r_{0,0,0,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2) + a^r_{0,0,0,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2) + a^r_{0,0,0,0,0,0,1,0,0,0,0,0}(x_3^2 + y_3^2) +$$
$$a^r_{0,0,0,1,0,0,0,0,0,0,0}(x_2^2 + y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2) + a^r_{1,0,-1,0,0,0,0,0,0,0,0}(x_1 x_2 + y_1 y_2)$$

$$H^{(2)}_{--} = a^r_{0,0,0,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2) + a^r_{0,0,0,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2) + a^r_{0,0,0,0,0,0,1,0,0,0,0,0}(x_3^2 + y_3^2) +$$
$$a^r_{0,0,0,1,0,0,0,0,0,0,0}(x_2^2 + y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2) + a^r_{1,0,-1,0,0,0,0,0,0,0,0}(x_1 x_2 + y_1 y_2)$$

$$H^{(2)}_{+-} = -2ib^r_{0,0,0,0,-2,0,0,0,0,0}x_3 y_3 + b^r_{0,0,0,0,-2,0,0,0,0,0,0}(x_3 - y_3)(x_3 + y_3) - 2ib^r_{0,0,0,0,0,0,-2,0,0,0}x_4 y_4 + b^r_{0,0,0,0,0,0,-2,0,0,0}(x_4 -$$
$$y_4)(x_4 + y_4) + 2ib^r_{0,0,0,0,0,0,0,0,2,0}x_5 y_5 + b^r_{0,0,0,0,0,0,0,0,2,0}(x_5 - y_5)(x_5 + y_5) + 2ib^r_{0,0,2,0,0,0,0,0,0,0}x_2 y_2 +$$
$$b^r_{0,0,2,0,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2) + b^r_{1,0,1,0,0,0,0,0,0,0}(x_1 x_2 - y_1 y_2) + ib^r_{1,0,1,0,0,0,0,0,0,0}(x_1 y_2 + x_2 y_1) +$$
$$2ib^r_{2,0,0,0,0,0,0,0,0,0}x_1 y_1 + b^r_{2,0,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)$$

$$H^{(2)}_{-+} = 2ib^r_{0,0,0,0,-2,0,0,0,0,0}x_3 y_3 + b^r_{0,0,0,0,-2,0,0,0,0,0,0}(x_3 - y_3)(x_3 + y_3) + 2ib^r_{0,0,0,0,0,0,-2,0,0,0}x_4 y_4 + b^r_{0,0,0,0,0,0,-2,0,0,0}(x_4 -$$
$$y_4)(x_4 + y_4) - 2ib^r_{0,0,0,0,0,0,0,0,2,0}x_5 y_5 + b^r_{0,0,0,0,0,0,0,0,2,0}(x_5 - y_5)(x_5 + y_5) - 2ib^r_{0,0,2,0,0,0,0,0,0,0}x_2 y_2 +$$
$$b^r_{0,0,2,0,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2) + b^r_{1,0,1,0,0,0,0,0,0,0}(x_1 x_2 - y_1 y_2) - ib^r_{1,0,1,0,0,0,0,0,0,0}(x_1 y_2 + x_2 y_1) -$$
$$2ib^r_{2,0,0,0,0,0,0,0,0,0}x_1 y_1 + b^r_{2,0,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)$$

3.4 Order: 3

Number of fitting parameters: H_{++}: 11, H_{+-}: 21.

Polar e-coordinates:

$$H^{(3)}_{++} = a^r_{0,0,0,0,1,0,1,0,-1,0}\rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a^r_{0,0,1,0,-2,0,0,0,0,0}\rho_2 \rho_3^2 \cos(\phi_2 - 2\phi_3) +$$
$$a^r_{0,0,1,0,0,0,-2,0,0,0}\rho_2 \rho_4^2 \cos(\phi_2 - 2\phi_4) + a^r_{0,0,1,0,0,0,0,0,2,0}\rho_2 \rho_5^2 \cos(\phi_2 + 2\phi_5) +$$
$$a^r_{0,0,3,0,0,0,0,0,0,0}\rho_2^3 \cos(3\phi_2) + a^r_{1,0,0,0,-2,0,0,0,0,0}\rho_1 \rho_3^2 \cos(\phi_1 - 2\phi_3) +$$
$$a^r_{1,0,0,0,0,0,-2,0,0,0}\rho_1 \rho_4^2 \cos(\phi_1 - 2\phi_4) + a^r_{1,0,0,0,0,0,0,0,2,0}\rho_1 \rho_5^2 \cos(\phi_1 + 2\phi_5) +$$
$$a^r_{1,0,2,0,0,0,0,0,0,0}\rho_1 \rho_2^2 \cos(\phi_1 + 2\phi_2) + a^r_{2,0,1,0,0,0,0,0,0,0}\rho_1^2 \rho_2 \cos(2\phi_1 + \phi_2) +$$
$$a^r_{3,0,0,0,0,0,0,0,0,0}\rho_1^3 \cos(3\phi_1)$$

$$H^{(3)}_{--} = a^r_{0,0,0,0,1,0,1,0,-1,0}\rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a^r_{0,0,1,0,-2,0,0,0,0,0}\rho_2 \rho_3^2 \cos(\phi_2 - 2\phi_3) +$$
$$a^r_{0,0,1,0,0,0,-2,0,0,0}\rho_2 \rho_4^2 \cos(\phi_2 - 2\phi_4) + a^r_{0,0,1,0,0,0,0,0,2,0}\rho_2 \rho_5^2 \cos(\phi_2 + 2\phi_5) +$$
$$a^r_{0,0,3,0,0,0,0,0,0,0}\rho_2^3 \cos(3\phi_2) + a^r_{1,0,0,0,-2,0,0,0,0,0}\rho_1 \rho_3^2 \cos(\phi_1 - 2\phi_3) +$$
$$a^r_{1,0,0,0,0,0,-2,0,0,0}\rho_1 \rho_4^2 \cos(\phi_1 - 2\phi_4) + a^r_{1,0,0,0,0,0,0,0,2,0}\rho_1 \rho_5^2 \cos(\phi_1 + 2\phi_5) +$$
$$a^r_{1,0,2,0,0,0,0,0,0,0}\rho_1 \rho_2^2 \cos(\phi_1 + 2\phi_2) + a^r_{2,0,1,0,0,0,0,0,0,0}\rho_1^2 \rho_2 \cos(2\phi_1 + \phi_2) +$$
$$a^r_{3,0,0,0,0,0,0,0,0,0}\rho_1^3 \cos(3\phi_1)$$

$$H^{(3)}_{+-} = b^r_{-1,0,0,0,0,0,0,0,0,0,1}\rho_1 \rho_5^2 \exp(-i\phi_1) + b^r_{-1,0,0,0,0,0,0,0,1,0,0}\rho_1 \rho_4^2 \exp(-i\phi_1) +$$
$$b^r_{-1,0,0,0,0,1,0,0,0,0}\rho_1 \rho_3^2 \exp(-i\phi_1) + b^r_{-1,0,0,1,0,0,0,0,0,0}\rho_1 \rho_2^2 \exp(-i\phi_1) + b^r_{-1,1,0,0,0,0,0,0,0,0}\rho_1^3 \exp(-$$
$$i\phi_1) + b^r_{-2,0,1,0,0,0,0,0,0,0}\rho_1^2 \rho_2 \exp(i(-2\phi_1 + \phi_2)) + b^r_{0,0,-1,0,0,0,0,0,0,0,1}\rho_2 \rho_5^2 \exp(-i\phi_2) +$$
$$b^r_{0,0,-1,0,0,0,0,1,0,0}\rho_2 \rho_4^2 \exp(-i\phi_2) + b^r_{0,0,-1,0,0,1,0,0,0,0}\rho_2 \rho_3^2 \exp(-i\phi_2) + b^r_{0,0,-1,1,0,0,0,0,0,0}\rho_2^3 \exp(-$$

$$i\phi_2)) + b^r_{0,0,0,0,-1,0,1,0,-1,0}\rho_3\rho_4\rho_5\exp(i(-\phi_3+\phi_4-\phi_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,0}\rho_3\rho_4\rho_5\exp(i(\phi_3-$$
$$\phi_4-\phi_5)) + b^r_{0,0,0,0,1,0,1,0,1,0}\rho_3\rho_4\rho_5\exp(i(\phi_3+\phi_4+\phi_5)) + b^r_{0,0,1,0,0,0,0,0,-2,0}\rho_2\rho_5^2\exp(i(\phi_2-$$
$$2\phi_5)) + b^r_{0,0,1,0,0,0,2,0,0,0}\rho_2\rho_4^2\exp(i(\phi_2+2\phi_4)) + b^r_{0,0,1,0,2,0,0,0,0,0}\rho_2\rho_3^2\exp(i(\phi_2+2\phi_3))+$$
$$b^r_{0,1,-1,0,0,0,0,0,0,0}\rho_1^2\rho_2\exp(-i\phi_2) + b^r_{1,0,-2,0,0,0,0,0,0,0}\rho_1\rho_2^2\exp(i(\phi_1-2\phi_2))+$$
$$b^r_{1,0,0,0,0,0,0,0,-2,0}\rho_1\rho_5^2\exp(i(\phi_1-2\phi_5)) + b^r_{1,0,0,0,0,0,2,0,0,0}\rho_1\rho_4^2\exp(i(\phi_1+2\phi_4))+$$
$$b^r_{1,0,0,0,2,0,0,0,0,0}\rho_1\rho_3^2\exp(i(\phi_1+2\phi_3))$$

$$H^{(3)}_{-+} = b^r_{-1,0,0,0,0,0,0,0,0,1}\rho_1\rho_5^2\exp(i\phi_1) + b^r_{-1,0,0,0,0,0,0,1,0,0}\rho_1\rho_4^2\exp(i\phi_1)+$$
$$b^r_{-1,0,0,0,0,1,0,0,0,0}\rho_1\rho_3^2\exp(i\phi_1) + b^r_{-1,0,0,1,0,0,0,0,0,0}\rho_1\rho_2^2\exp(i\phi_1)+$$
$$b^r_{-1,1,0,0,0,0,0,0,0,0}\rho_1^3\exp(i\phi_1) + b^r_{-2,0,1,0,0,0,0,0,0,0}\rho_1^2\rho_2\exp(-i(-2\phi_1+\phi_2))+$$
$$b^r_{0,0,-1,0,0,0,0,0,0,1}\rho_2\rho_5^2\exp(i\phi_2) + b^r_{0,0,-1,0,0,0,0,1,0,0}\rho_2\rho_4^2\exp(i\phi_2)+$$
$$b^r_{0,0,-1,0,0,1,0,0,0,0}\rho_2\rho_3^2\exp(i\phi_2) + b^r_{0,0,-1,1,0,0,0,0,0,0}\rho_2^3\exp(i\phi_2) + b^r_{0,0,0,0,-1,0,1,0,-1,0}\rho_3\rho_4\rho_5\exp(-$$
$$i(-\phi_3+\phi_4-\phi_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,0}\rho_3\rho_4\rho_5\exp(-i(\phi_3-\phi_4-\phi_5))+$$
$$b^r_{0,0,0,0,1,0,1,0,1,0}\rho_3\rho_4\rho_5\exp(-i(\phi_3+\phi_4+\phi_5)) + b^r_{0,0,1,0,0,0,0,0,-2,0}\rho_2\rho_5^2\exp(-i(\phi_2-2\phi_5))+$$
$$b^r_{0,0,1,0,0,0,2,0,0,0}\rho_2\rho_4^2\exp(-i(\phi_2+2\phi_4)) + b^r_{0,0,1,0,2,0,0,0,0,0}\rho_2\rho_3^2\exp(-i(\phi_2+2\phi_3))+$$
$$b^r_{0,1,-1,0,0,0,0,0,0,0}\rho_1^2\rho_2\exp(i\phi_2) + b^r_{1,0,-2,0,0,0,0,0,0,0}\rho_1\rho_2^2\exp(-i(\phi_1-2\phi_2))+$$
$$b^r_{1,0,0,0,0,0,0,0,-2,0}\rho_1\rho_5^2\exp(-i(\phi_1-2\phi_5)) + b^r_{1,0,0,0,0,0,2,0,0,0}\rho_1\rho_4^2\exp(-i(\phi_1+2\phi_4))+$$
$$b^r_{1,0,0,0,2,0,0,0,0,0}\rho_1\rho_3^2\exp(-i(\phi_1+2\phi_3))$$

Cartesian e-coordinates:

$$H^{(3)}_{++} = a^r_{0,0,0,0,1,0,1,0,-1,0}(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4)) + a^r_{0,0,1,0,-2,0,0,0,0,0}(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+$$
$$a^r_{0,0,1,0,0,0,-2,0,0,0}(x_2(x_4^2-y_4^2)+2x_4y_2y_4) + a^r_{0,0,1,0,0,0,0,0,2,0}(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+$$
$$a^r_{0,0,3,0,0,0,0,0,0,0}x_2(x_2^2-3y_2^2) + a^r_{1,0,0,0,-2,0,0,0,0,0}(x_1(x_3^2-y_3^2)+2x_3y_1y_3) + a^r_{1,0,0,0,0,0,-2,0,0,0}(x_1(x_4^2-$$
$$y_4^2)+2x_4y_1y_4) + a^r_{1,0,0,0,0,0,0,0,2,0}(x_1(x_5^2-y_5^2)-2x_5y_1y_5) + a^r_{1,0,2,0,0,0,0,0,0,0}(x_1(x_2^2-y_2^2)-$$
$$2x_2y_1y_2) + a^r_{2,0,1,0,0,0,0,0,0,0}(-2x_1y_1y_2+x_2(x_1^2-y_1^2)) + a^r_{3,0,0,0,0,0,0,0,0,0}x_1(x_1^2-3y_1^2)$$

$$H^{(3)}_{--} = a^r_{0,0,0,0,1,0,1,0,-1,0}(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4)) + a^r_{0,0,1,0,-2,0,0,0,0,0}(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+$$
$$a^r_{0,0,1,0,0,0,-2,0,0,0}(x_2(x_4^2-y_4^2)+2x_4y_2y_4) + a^r_{0,0,1,0,0,0,0,0,2,0}(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+$$
$$a^r_{0,0,3,0,0,0,0,0,0,0}x_2(x_2^2-3y_2^2) + a^r_{1,0,0,0,-2,0,0,0,0,0}(x_1(x_3^2-y_3^2)+2x_3y_1y_3) + a^r_{1,0,0,0,0,0,-2,0,0,0}(x_1(x_4^2-$$
$$y_4^2)+2x_4y_1y_4) + a^r_{1,0,0,0,0,0,0,0,2,0}(x_1(x_5^2-y_5^2)-2x_5y_1y_5) + a^r_{1,0,2,0,0,0,0,0,0,0}(x_1(x_2^2-y_2^2)-$$
$$2x_2y_1y_2) + a^r_{2,0,1,0,0,0,0,0,0,0}(-2x_1y_1y_2+x_2(x_1^2-y_1^2)) + a^r_{3,0,0,0,0,0,0,0,0,0}x_1(x_1^2-3y_1^2)$$

$$H^{(3)}_{+-} = b^r_{-1,0,0,0,0,0,0,0,0,1}x_1(x_5^2+y_5^2) - ib^r_{-1,0,0,0,0,0,0,0,0,1}y_1(x_5^2+y_5^2) + b^r_{-1,0,0,0,0,0,0,1,0,0}x_1(x_4^2+y_4^2)-$$
$$ib^r_{-1,0,0,0,0,0,0,1,0,0}y_1(x_4^2+y_4^2) + b^r_{-1,0,0,0,0,1,0,0,0,0}x_1(x_3^2+y_3^2) - ib^r_{-1,0,0,0,0,1,0,0,0,0}y_1(x_3^2+y_3^2)+$$
$$b^r_{-1,0,0,1,0,0,0,0,0,0}x_1(x_2^2+y_2^2) - ib^r_{-1,0,0,1,0,0,0,0,0,0}y_1(x_2^2+y_2^2) + b^r_{-1,1,0,0,0,0,0,0,0,0}x_1(x_1^2+y_1^2)-$$
$$ib^r_{-1,1,0,0,0,0,0,0,0,0}y_1(x_1^2+y_1^2) + ib^r_{-2,0,1,0,0,0,0,0,0,0}(-2x_1x_2y_1+y_2(x_1^2-y_1^2))+$$
$$b^r_{-2,0,1,0,0,0,0,0,0,0}(2x_1y_1y_2+x_2(x_1^2-y_1^2)) + b^r_{0,0,-1,0,0,0,0,0,0,1}x_2(x_5^2+y_5^2) - ib^r_{0,0,-1,0,0,0,0,0,0,1}y_2(x_5^2+$$
$$y_5^2) + b^r_{0,0,-1,0,0,0,0,1,0,0}x_2(x_4^2+y_4^2) - ib^r_{0,0,-1,0,0,0,0,1,0,0}y_2(x_4^2+y_4^2) + b^r_{0,0,-1,0,0,1,0,0,0,0}x_2(x_3^2+y_3^2)-$$
$$ib^r_{0,0,-1,0,0,1,0,0,0,0}y_2(x_3^2+y_3^2) + b^r_{0,0,-1,1,0,0,0,0,0,0}x_2(x_2^2+y_2^2) - ib^r_{0,0,-1,1,0,0,0,0,0,0}y_2(x_2^2+y_2^2)+$$
$$b^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4x_5+y_4y_5)+y_3(-x_4y_5+x_5y_4)) - ib^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4y_5-x_5y_4)+y_3(x_4x_5+$$

$$y_4y_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - ib^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4y_5 + x_5y_4) + y_3(-$$
$$x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) + ib^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4y_5 +$$
$$x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,1,0,0,0,0,0,-2,0}(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - ib^r_{0,0,1,0,0,0,0,0,-2,0}(2x_2x_5y_5 +$$
$$y_2(-x_5^2 + y_5^2)) + b^r_{0,0,1,0,0,0,2,0,0,0}(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) + ib^r_{0,0,1,0,0,0,2,0,0,0}(2x_2x_4y_4 + y_2(x_4^2 -$$
$$y_4^2)) + b^r_{0,0,1,0,2,0,0,0,0,0}(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) + ib^r_{0,0,1,0,2,0,0,0,0,0}(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) +$$
$$b^r_{0,1,-1,0,0,0,0,0,0,0}x_2(x_1^2 + y_1^2) - ib^r_{0,1,-1,0,0,0,0,0,0,0}y_2(x_1^2 + y_1^2) + b^r_{1,0,-2,0,0,0,0,0,0,0}(x_1(x_2^2 - y_2^2) +$$
$$2x_2y_1y_2) - ib^r_{1,0,-2,0,0,0,0,0,0,0}(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,0,0,0,0,0,0,0,-2,0}(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) -$$
$$ib^r_{1,0,0,0,0,0,0,0,-2,0}(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,0,0,0,0,0,2,0,0,0}(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) +$$
$$ib^r_{1,0,0,0,0,0,2,0,0,0}(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b^r_{1,0,0,0,2,0,0,0,0,0}(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) +$$
$$ib^r_{1,0,0,0,2,0,0,0,0,0}(2x_1x_3y_3 + y_1(x_3^2 - y_3^2))$$

$$H^{(3)}_{-+} = b^r_{-1,0,0,0,0,0,0,0,0,1}x_1(x_5^2 + y_5^2) + ib^r_{-1,0,0,0,0,0,0,0,0,1}y_1(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,0,0,1,0,0}x_1(x_4^2 + y_4^2) +$$
$$ib^r_{-1,0,0,0,0,0,0,1,0,0}y_1(x_4^2 + y_4^2) + b^r_{-1,0,0,0,0,1,0,0,0,0}x_1(x_3^2 + y_3^2) + ib^r_{-1,0,0,0,0,1,0,0,0,0}y_1(x_3^2 + y_3^2) +$$
$$b^r_{-1,0,0,1,0,0,0,0,0,0}x_1(x_2^2 + y_2^2) + ib^r_{-1,0,0,1,0,0,0,0,0,0}y_1(x_2^2 + y_2^2) + b^r_{-1,1,0,0,0,0,0,0,0,0}x_1(x_1^2 + y_1^2) +$$
$$ib^r_{-1,1,0,0,0,0,0,0,0,0}y_1(x_1^2 + y_1^2) - ib^r_{-2,0,1,0,0,0,0,0,0,0}(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) +$$
$$b^r_{-2,0,1,0,0,0,0,0,0,0}(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + b^r_{0,0,-1,0,0,0,0,0,0,1}x_2(x_5^2 + y_5^2) + ib^r_{0,0,-1,0,0,0,0,0,0,1}y_2(x_5^2 +$$
$$y_5^2) + b^r_{0,0,-1,0,0,0,0,1,0,0}x_2(x_4^2 + y_4^2) + ib^r_{0,0,-1,0,0,0,0,1,0,0}y_2(x_4^2 + y_4^2) + b^r_{0,0,-1,0,0,1,0,0,0,0}x_2(x_3^2 + y_3^2) +$$
$$ib^r_{0,0,-1,0,0,1,0,0,0,0}y_2(x_3^2 + y_3^2) + b^r_{0,0,-1,1,0,0,0,0,0,0}x_2(x_2^2 + y_2^2) + ib^r_{0,0,-1,1,0,0,0,0,0,0}y_2(x_2^2 + y_2^2) +$$
$$b^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) + ib^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 +$$
$$y_4y_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) + ib^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4y_5 + x_5y_4) + y_3(-$$
$$x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - ib^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4y_5 +$$
$$x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,1,0,0,0,0,0,-2,0}(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) + ib^r_{0,0,1,0,0,0,0,0,-2,0}(2x_2x_5y_5 +$$
$$y_2(-x_5^2 + y_5^2)) + b^r_{0,0,1,0,0,0,2,0,0,0}(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) - ib^r_{0,0,1,0,0,0,2,0,0,0}(2x_2x_4y_4 + y_2(x_4^2 -$$
$$y_4^2)) + b^r_{0,0,1,0,2,0,0,0,0,0}(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) - ib^r_{0,0,1,0,2,0,0,0,0,0}(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) +$$
$$b^r_{0,1,-1,0,0,0,0,0,0,0}x_2(x_1^2 + y_1^2) + ib^r_{0,1,-1,0,0,0,0,0,0,0}y_2(x_1^2 + y_1^2) + b^r_{1,0,-2,0,0,0,0,0,0,0}(x_1(x_2^2 - y_2^2) +$$
$$2x_2y_1y_2) + ib^r_{1,0,-2,0,0,0,0,0,0,0}(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,0,0,0,0,0,0,0,-2,0}(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) +$$
$$ib^r_{1,0,0,0,0,0,0,0,-2,0}(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,0,0,0,0,0,2,0,0,0}(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) -$$
$$ib^r_{1,0,0,0,0,0,2,0,0,0}(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b^r_{1,0,0,0,2,0,0,0,0,0}(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) -$$
$$ib^r_{1,0,0,0,2,0,0,0,0,0}(2x_1x_3y_3 + y_1(x_3^2 - y_3^2))$$

3.5 Order: 4

Number of fitting parameters: H_{++}: 39, H_{+-}: 68.

Polar e-coordinates:

$$H^{(4)}_{++} = a^r_{0,0,0,0,0,0,0,0,0,2}\rho_5^4 + a^r_{0,0,0,0,0,0,0,0,1,0,1}\rho_4^2\rho_5^2 + a^r_{0,0,0,0,0,0,0,0,2,0,0}\rho_4^4 +$$
$$a^r_{0,0,0,0,0,0,2,0,2,0}\rho_4^2\rho_5^2\cos(2\phi_4 + 2\phi_5) + a^r_{0,0,0,0,0,1,0,0,0,0,1}\rho_3^2\rho_5^2 + a^r_{0,0,0,0,0,1,0,1,0,0}\rho_3^2\rho_4^2 +$$
$$a^r_{0,0,0,0,2,0,0,0,0,0}\rho_3^4 + a^r_{0,0,0,0,2,0,-2,0,0,0}\rho_3^2\rho_4^2\cos(2\phi_3 - 2\phi_4) +$$
$$a^r_{0,0,0,0,2,0,0,0,2,0}\rho_3^2\rho_5^2\cos(2\phi_3 + 2\phi_5) + a^r_{0,0,1,0,0,0,0,0,0,1}\rho_2^2\rho_5^2 + a^r_{0,0,1,0,0,0,0,1,0,0}\rho_2^2\rho_4^2 +$$
$$a^r_{0,0,1,0,1,0,0,0,0,0}\rho_2^2\rho_3^2 + a^r_{0,0,2,0,0,0,0,0,0,0}\rho_2^4 + a^r_{0,0,1,0,-1,0,1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 +$$
$$\phi_4 - \phi_5) + a^r_{0,0,1,0,1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$
$$a^r_{0,0,1,0,1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) + a^r_{0,0,2,0,0,0,0,0,-2,0}\rho_2^2\rho_5^2\cos(2\phi_2 -$$
$$2\phi_5) + a^r_{0,0,2,0,0,0,2,0,0,0}\rho_2^2\rho_4^2\cos(2\phi_2 + 2\phi_4) + a^r_{0,0,2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_2 + 2\phi_3) +$$

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$$a_{0,1,0,0,0,0,0,0,0,1}^r \rho_1^2 \rho_5^2 + a_{0,1,0,0,0,0,0,1,0,0}^r \rho_1^2 \rho_4^2 + a_{0,1,0,0,0,1,0,0,0,0}^r \rho_1^2 \rho_3^2 +$$

$$a_{0,1,0,1,0,0,0,0,0,0}^r \rho_1^2 \rho_2^2 + a_{0,2,0,0,0,0,0,0,0,0}^r \rho_1^4 + a_{1,0,-1,0,0,0,0,0,0,1}^r \rho_1 \rho_2 \rho_5^2 \cos(\phi_1 - \phi_2) +$$

$$a_{1,0,-1,0,0,0,0,1,0,0}^r \rho_1 \rho_2 \rho_4^2 \cos(\phi_1 - \phi_2) + a_{1,0,-1,0,0,1,0,0,0,0}^r \rho_1 \rho_2 \rho_3^2 \cos(\phi_1 - \phi_2) +$$

$$a_{1,0,-1,1,0,0,0,0,0,0}^r \rho_1 \rho_2^3 \cos(\phi_1 - \phi_2) + a_{1,0,0,0,-1,0,1,0,-1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \cos(\phi_1 - \phi_3 + \phi_4 - \phi_5) +$$

$$a_{1,0,0,0,1,0,-1,0,-1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \cos(\phi_1 + \phi_3 - \phi_4 - \phi_5) + a_{1,0,0,0,1,0,1,0,1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \cos(\phi_1 +$$

$$\phi_3 + \phi_4 + \phi_5) + a_{1,0,1,0,0,0,0,0,-2,0}^r \rho_1 \rho_2 \rho_5^2 \cos(\phi_1 + \phi_2 - 2\phi_5) +$$

$$a_{1,0,1,0,0,0,2,0,0,0}^r \rho_1 \rho_2 \rho_4^2 \cos(\phi_1 + \phi_2 + 2\phi_4) + a_{1,0,1,0,2,0,0,0,0,0}^r \rho_1 \rho_2 \rho_3^2 \cos(\phi_1 + \phi_2 +$$

$$2\phi_3) + a_{1,1,-1,0,0,0,0,0,0,0}^r \rho_1^3 \rho_2 \cos(\phi_1 - \phi_2) + a_{2,0,-2,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2^2 \cos(2\phi_1 - 2\phi_2) +$$

$$a_{2,0,0,0,0,0,0,0,-2,0}^r \rho_1^2 \rho_5^2 \cos(2\phi_1 - 2\phi_5) + a_{2,0,0,0,0,0,2,0,0,0}^r \rho_1^2 \rho_4^2 \cos(2\phi_1 + 2\phi_4) +$$

$$a_{2,0,0,0,2,0,0,0,0,0}^r \rho_1^2 \rho_3^2 \cos(2\phi_1 + 2\phi_3)$$

$$H_{--}^{(4)} = a_{0,0,0,0,0,0,0,0,0,2}^r \rho_5^4 + a_{0,0,0,0,0,0,0,1,0,1}^r \rho_4^2 \rho_5^2 + a_{0,0,0,0,0,0,0,2,0,0}^r \rho_4^4 +$$

$$a_{0,0,0,0,0,0,2,0,2,0}^r \rho_4^2 \rho_5^2 \cos(2\phi_4 + 2\phi_5) + a_{0,0,0,0,0,1,0,0,0,1}^r \rho_3^2 \rho_5^2 + a_{0,0,0,0,0,1,0,1,0,0}^r \rho_3^2 \rho_4^2 +$$

$$a_{0,0,0,0,0,2,0,0,0,0}^r \rho_3^4 + a_{0,0,0,0,0,2,0,-2,0,0}^r \rho_3^2 \rho_4^2 \cos(2\phi_3 - 2\phi_4) +$$

$$a_{0,0,0,0,0,2,0,0,0,2,0}^r \rho_3^2 \rho_5^2 \cos(2\phi_3 + 2\phi_5) + a_{0,0,0,1,0,0,0,0,0,1}^r \rho_2^2 \rho_5^2 + a_{0,0,0,1,0,0,0,1,0,0}^r \rho_2^2 \rho_4^2 +$$

$$a_{0,0,0,1,0,1,0,0,0,0}^r \rho_2^2 \rho_3^2 + a_{0,0,0,2,0,0,0,0,0,0}^r \rho_2^4 + a_{0,0,1,0,-1,0,1,0,-1,0}^r \rho_2 \rho_3 \rho_4 \rho_5 \cos(\phi_2 - \phi_3 +$$

$$\phi_4 - \phi_5) + a_{0,0,1,0,1,0,-1,0,-1,0}^r \rho_2 \rho_3 \rho_4 \rho_5 \cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,1,0,1,0,1,0}^r \rho_2 \rho_3 \rho_4 \rho_5 \cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) + a_{0,0,2,0,0,0,0,0,-2,0}^r \rho_2^2 \rho_5^2 \cos(2\phi_2 -$$

$$2\phi_5) + a_{0,0,2,0,0,0,2,0,0,0}^r \rho_2^2 \rho_4^2 \cos(2\phi_2 + 2\phi_4) + a_{0,0,2,0,2,0,0,0,0,0}^r \rho_2^2 \rho_3^2 \cos(2\phi_2 + 2\phi_3) +$$

$$a_{0,1,0,0,0,0,0,0,0,1}^r \rho_1^2 \rho_5^2 + a_{0,1,0,0,0,0,0,1,0,0}^r \rho_1^2 \rho_4^2 + a_{0,1,0,0,0,1,0,0,0,0}^r \rho_1^2 \rho_3^2 +$$

$$a_{0,1,0,1,0,0,0,0,0,0}^r \rho_1^2 \rho_2^2 + a_{0,2,0,0,0,0,0,0,0,0}^r \rho_1^4 + a_{1,0,-1,0,0,0,0,0,0,1}^r \rho_1 \rho_2 \rho_5^2 \cos(\phi_1 - \phi_2) +$$

$$a_{1,0,-1,0,0,0,0,1,0,0}^r \rho_1 \rho_2 \rho_4^2 \cos(\phi_1 - \phi_2) + a_{1,0,-1,0,0,1,0,0,0,0}^r \rho_1 \rho_2 \rho_3^2 \cos(\phi_1 - \phi_2) +$$

$$a_{1,0,-1,1,0,0,0,0,0,0}^r \rho_1 \rho_2^3 \cos(\phi_1 - \phi_2) + a_{1,0,0,0,-1,0,1,0,-1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \cos(\phi_1 - \phi_3 + \phi_4 - \phi_5) +$$

$$a_{1,0,0,0,1,0,-1,0,-1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \cos(\phi_1 + \phi_3 - \phi_4 - \phi_5) + a_{1,0,0,0,1,0,1,0,1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \cos(\phi_1 +$$

$$\phi_3 + \phi_4 + \phi_5) + a_{1,0,1,0,0,0,0,0,-2,0}^r \rho_1 \rho_2 \rho_5^2 \cos(\phi_1 + \phi_2 - 2\phi_5) +$$

$$a_{1,0,1,0,0,0,2,0,0,0}^r \rho_1 \rho_2 \rho_4^2 \cos(\phi_1 + \phi_2 + 2\phi_4) + a_{1,0,1,0,2,0,0,0,0,0}^r \rho_1 \rho_2 \rho_3^2 \cos(\phi_1 + \phi_2 +$$

$$2\phi_3) + a_{1,1,-1,0,0,0,0,0,0,0}^r \rho_1^3 \rho_2 \cos(\phi_1 - \phi_2) + a_{2,0,-2,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2^2 \cos(2\phi_1 - 2\phi_2) +$$

$$a_{2,0,0,0,0,0,0,0,-2,0}^r \rho_1^2 \rho_5^2 \cos(2\phi_1 - 2\phi_5) + a_{2,0,0,0,0,0,2,0,0,0}^r \rho_1^2 \rho_4^2 \cos(2\phi_1 + 2\phi_4) +$$

$$a_{2,0,0,0,2,0,0,0,0,0}^r \rho_1^2 \rho_3^2 \cos(2\phi_1 + 2\phi_3)$$

$$H_{+-}^{(4)} = b_{-1,0,-1,0,0,0,0,0,-2,0}^r \rho_1 \rho_2 \rho_5^2 \exp(i(-\phi_1 - \phi_2 - 2\phi_5)) + b_{-1,0,-1,0,0,0,2,0,0,0}^r \rho_1 \rho_2 \rho_4^2 \exp(i(-\phi_1 -$$

$$\phi_2 + 2\phi_4)) + b_{-1,0,-1,0,2,0,0,0,0,0}^r \rho_1 \rho_2 \rho_3^2 \exp(i(-\phi_1 - \phi_2 + 2\phi_3)) + b_{-1,0,-3,0,0,0,0,0,0,0}^r \rho_1 \rho_2^3 \exp(i(-$$

$$\phi_1 - 3\phi_2)) + b_{-1,0,0,0,-1,0,-1,0,1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \exp(i(-\phi_1 - \phi_3 - \phi_4 + \phi_5)) +$$

$$b_{-1,0,0,0,1,0,1,0,-1,0}^r \rho_1 \rho_3 \rho_4 \rho_5 \exp(i(-\phi_1 + \phi_3 + \phi_4 - \phi_5)) + b_{-1,0,1,0,-2,0,0,0,0,0}^r \rho_1 \rho_2 \rho_3^2 \exp(i(-$$

$$\phi_1 + \phi_2 - 2\phi_3)) + b_{-1,0,1,0,0,0,-2,0,0,0}^r \rho_1 \rho_2 \rho_4^2 \exp(i(-\phi_1 + \phi_2 - 2\phi_4)) +$$

$$b_{-1,0,1,0,0,0,0,0,2,0}^r \rho_1 \rho_2 \rho_5^2 \exp(i(-\phi_1 + \phi_2 + 2\phi_5)) + b_{-1,0,3,0,0,0,0,0,0,0}^r \rho_1 \rho_2^3 \exp(i(-\phi_1 + 3\phi_2)) +$$

$$b_{-2,0,-2,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2^2 \exp(i(-2\phi_1 - 2\phi_2)) + b_{-2,0,0,0,0,0,0,0,-2,0}^r \rho_1^2 \rho_5^2 \exp(i(-2\phi_1 - 2\phi_5)) +$$

$$b_{-2,0,0,0,0,0,2,0,0,0}^r \rho_1^2 \rho_4^2 \exp(i(-2\phi_1 + 2\phi_4)) + b_{-2,0,0,0,2,0,0,0,0,0}^r \rho_1^2 \rho_3^2 \exp(i(-2\phi_1 + 2\phi_3)) +$$

$$b_{-3,0,-1,0,0,0,0,0,0,0}^r \rho_1^3 \rho_2 \exp(i(-3\phi_1 - \phi_2)) + b_{-4,0,0,0,0,0,0,0,0,0}^r \rho_1^4 \exp(-4i\phi_1) +$$

$$b_{0,0,-1,0,-1,0,-1,0,1,0}^r \rho_2 \rho_3 \rho_4 \rho_5 \exp(i(-\phi_2 - \phi_3 - \phi_4 + \phi_5)) +$$

$$b_{0,0,-1,0,1,0,1,0,-1,0}^r \rho_2 \rho_3 \rho_4 \rho_5 \exp(i(-\phi_2 + \phi_3 + \phi_4 - \phi_5)) + b_{0,0,-2,0,0,0,0,0,-2,0}^r \rho_2^2 \rho_5^2 \exp(i(-$$

$$2\phi_2 - 2\phi_5)) + b^r_{0,0,-2,0,0,0,2,0,0,0}\rho_2^2\rho_4^2 \exp(i(-2\phi_2 + 2\phi_4)) + b^r_{0,0,-2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2 \exp(i(-$$
$$2\phi_2 + 2\phi_3)) + b^r_{0,0,-4,0,0,0,0,0,0,0}\rho_2^4 \exp(-4i\phi_2) + b^r_{0,0,0,0,-2,0,0,0,0,1}\rho_3^2\rho_5^2 \exp(-2i\phi_3)+$$
$$b^r_{0,0,0,0,-2,0,0,1,0,0}\rho_3^2\rho_4^2 \exp(-2i\phi_3) + b^r_{0,0,0,0,-2,1,0,0,0,0}\rho_3^4 \exp(-2i\phi_3)+$$
$$b^r_{0,0,0,0,0,0,-2,0,0,1}\rho_4^2\rho_5^2 \exp(-2i\phi_4) + b^r_{0,0,0,0,0,0,-2,1,0,0}\rho_4^4 \exp(-2i\phi_4) + b^r_{0,0,0,0,0,0,0,0,-4,0}\rho_5^4 \exp(-$$
$$4i\phi_5) + b^r_{0,0,0,0,0,0,0,0,2,1}\rho_5^4 \exp(2i\phi_5) + b^r_{0,0,0,0,0,0,0,1,2,0}\rho_4^2\rho_5^2 \exp(2i\phi_5)+$$
$$b^r_{0,0,0,0,0,0,2,0,-2,0}\rho_4^2\rho_5^2 \exp(i(2\phi_4 - 2\phi_5)) + b^r_{0,0,0,0,0,0,4,0,0,0}\rho_4^4 \exp(4i\phi_4)+$$
$$b^r_{0,0,0,0,1,-2,0,0,0,0}\rho_3^2\rho_4^2 \exp(-2i\phi_4) + b^r_{0,0,0,0,1,0,0,0,2,0}\rho_3^2\rho_5^2 \exp(2i\phi_5)+$$
$$b^r_{0,0,0,2,0,0,0,0,-2,0}\rho_3^2\rho_5^2 \exp(i(2\phi_3 - 2\phi_5)) + b^r_{0,0,0,2,0,2,0,0,0,0}\rho_3^2\rho_4^2 \exp(i(2\phi_3 + 2\phi_4))+$$
$$b^r_{0,0,0,4,0,0,0,0,0,0}\rho_3^4 \exp(4i\phi_3) + b^r_{0,0,1,-2,0,0,0,0,0,0}\rho_2^2\rho_3^2 \exp(-2i\phi_3)+$$
$$b^r_{0,0,1,0,0,-2,0,0,0,0}\rho_2^2\rho_4^2 \exp(-2i\phi_4) + b^r_{0,0,1,0,0,0,0,0,2,0}\rho_2^2\rho_5^2 \exp(2i\phi_5)+$$
$$b^r_{0,0,1,0,-1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5 \exp(i(\phi_2 - \phi_3 - \phi_4 - \phi_5))+$$
$$b^r_{0,0,1,0,-1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5 \exp(i(\phi_2 - \phi_3 + \phi_4 + \phi_5))+$$
$$b^r_{0,0,1,0,1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5 \exp(i(\phi_2 + \phi_3 - \phi_4 + \phi_5)) + b^r_{0,0,2,0,0,0,0,0,0,1}\rho_2^2\rho_5^2 \exp(2i\phi_2)+$$
$$b^r_{0,0,2,0,0,0,0,1,0,0}\rho_2^2\rho_4^2 \exp(2i\phi_2) + b^r_{0,0,2,0,0,1,0,0,0,0}\rho_2^2\rho_3^2 \exp(2i\phi_2)+$$
$$b^r_{0,0,2,1,0,0,0,0,0,0}\rho_2^4 \exp(2i\phi_2) + b^r_{0,1,0,0,0,-2,0,0,0,0}\rho_1^2\rho_3^2 \exp(-2i\phi_3)+$$
$$b^r_{0,1,0,0,0,0,0,-2,0,0,0}\rho_1^2\rho_4^2 \exp(-2i\phi_4) + b^r_{0,1,0,0,0,0,0,0,0,2,0}\rho_1^2\rho_5^2 \exp(2i\phi_5)+$$
$$b^r_{0,1,2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2 \exp(2i\phi_2) + b^r_{1,0,-1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2 \exp(i(\phi_1 - \phi_2 - 2\phi_3))+$$
$$b^r_{1,0,-1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2 \exp(i(\phi_1 - \phi_2 - 2\phi_4)) + b^r_{1,0,-1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2 \exp(i(\phi_1 - \phi_2 +$$
$$2\phi_5)) + b^r_{1,0,0,0,0,-1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 - \phi_4 - \phi_5))+$$
$$b^r_{1,0,0,0,-1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 + \phi_4 + \phi_5))+$$
$$b^r_{1,0,0,0,1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5 \exp(i(\phi_1 + \phi_3 - \phi_4 + \phi_5)) + b^r_{1,0,1,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2 \exp(i(\phi_1 +$$
$$\phi_2)) + b^r_{1,0,1,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2 \exp(i(\phi_1 + \phi_2)) + b^r_{1,0,1,0,0,1,0,0,0,0}\rho_1\rho_2\rho_3^2 \exp(i(\phi_1 + \phi_2))+$$
$$b^r_{1,0,1,1,0,0,0,0,0,0}\rho_1\rho_2^3 \exp(i(\phi_1 + \phi_2)) + b^r_{1,1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2 \exp(i(\phi_1 + \phi_2))+$$
$$b^r_{2,0,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2 \exp(2i\phi_1) + b^r_{2,0,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2 \exp(2i\phi_1)+$$
$$b^r_{2,0,0,0,0,1,0,0,0,0}\rho_1^2\rho_3^2 \exp(2i\phi_1) + b^r_{2,0,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2 \exp(2i\phi_1)+$$
$$b^r_{2,1,0,0,0,0,0,0,0,0}\rho_1^4 \exp(2i\phi_1) + b^r_{3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2 \exp(i(3\phi_1 - \phi_2))$$

$$H^{(4)}_{-+} = b^r_{-1,0,-1,0,0,0,0,0,-2,0}\rho_1\rho_2\rho_5^2 \exp(-i(-\phi_1 - \phi_2 - 2\phi_5)) + b^r_{-1,0,-1,0,0,0,2,0,0,0}\rho_1\rho_2\rho_4^2 \exp(-i(-\phi_1 -$$
$$\phi_2 + 2\phi_4)) + b^r_{-1,0,-1,0,2,0,0,0,0,0}\rho_1\rho_2\rho_3^2 \exp(-i(-\phi_1 - \phi_2 + 2\phi_3)) + b^r_{-1,0,-3,0,0,0,0,0,0,0}\rho_1\rho_2^3 \exp(-$$
$$i(-\phi_1 - 3\phi_2)) + b^r_{-1,0,0,0,0,-1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 - \phi_3 - \phi_4 + \phi_5))+$$
$$b^r_{-1,0,0,0,1,0,1,0,-1,0}\rho_1\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 + \phi_3 + \phi_4 - \phi_5)) + b^r_{-1,0,1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2 \exp(-i(-$$
$$\phi_1 + \phi_2 - 2\phi_3)) + b^r_{-1,0,1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2 \exp(-i(-\phi_1 + \phi_2 - 2\phi_4))+$$
$$b^r_{-1,0,1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 + 2\phi_5)) + b^r_{-1,0,3,0,0,0,0,0,0,0}\rho_1\rho_2^3 \exp(-i(-\phi_1 +$$
$$3\phi_2)) + b^r_{-2,0,-2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2 \exp(-i(-2\phi_1 - 2\phi_2)) + b^r_{-2,0,0,0,0,0,0,0,-2,0}\rho_1^2\rho_5^2 \exp(-i(-2\phi_1 -$$
$$2\phi_5)) + b^r_{-2,0,0,0,0,0,2,0,0,0}\rho_1^2\rho_4^2 \exp(-i(-2\phi_1 + 2\phi_4)) + b^r_{-2,0,0,0,2,0,0,0,0,0}\rho_1^2\rho_3^2 \exp(-i(-2\phi_1 +$$
$$2\phi_3)) + b^r_{-3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2 \exp(-i(-3\phi_1 - \phi_2)) + b^r_{-4,0,0,0,0,0,0,0,0,0}\rho_1^4 \exp(4i\phi_1)+$$
$$b^r_{0,0,-1,0,-1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5 \exp(-i(-\phi_2 - \phi_3 - \phi_4 + \phi_5))+$$
$$b^r_{0,0,-1,0,1,0,1,0,-1,0}\rho_2\rho_3\rho_4\rho_5 \exp(-i(-\phi_2 + \phi_3 + \phi_4 - \phi_5)) + b^r_{0,0,-2,0,0,0,0,0,-2,0}\rho_2^2\rho_5^2 \exp(-i(-$$
$$2\phi_2 - 2\phi_5)) + b^r_{0,0,-2,0,0,0,2,0,0,0}\rho_2^2\rho_4^2 \exp(-i(-2\phi_2 + 2\phi_4)) + b^r_{0,0,-2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2 \exp(-i(-$$
$$2\phi_2 + 2\phi_3)) + b^r_{0,0,-4,0,0,0,0,0,0,0}\rho_2^4 \exp(4i\phi_2) + b^r_{0,0,0,0,-2,0,0,0,0,1}\rho_3^2\rho_5^2 \exp(2i\phi_3)+$$
$$b^r_{0,0,0,0,-2,0,0,1,0,0}\rho_3^2\rho_4^2 \exp(2i\phi_3) + b^r_{0,0,0,0,-2,1,0,0,0,0}\rho_3^4 \exp(2i\phi_3)+$$
$$b^r_{0,0,0,0,0,0,-2,0,0,1}\rho_4^2\rho_5^2 \exp(2i\phi_4) + b^r_{0,0,0,0,0,0,-2,1,0,0}\rho_4^4 \exp(2i\phi_4)+$$

$$b^r_{0,0,0,0,0,0,0,0,0,-4,0}\rho_5^4\exp(4i\phi_5) + b^r_{0,0,0,0,0,0,0,0,0,2,1}\rho_5^4\exp(-2i\phi_5) + b^r_{0,0,0,0,0,0,0,0,0,1,2,0}\rho_4^2\rho_5^2\exp(-2i\phi_5) + b^r_{0,0,0,0,0,0,0,2,0,-2,0}\rho_4^2\rho_5^2\exp(-i(2\phi_4-2\phi_5)) + b^r_{0,0,0,0,0,0,0,4,0,0,0,0}\rho_4^4\exp(-4i\phi_4)+$$

$$b^r_{0,0,0,0,0,1,-2,0,0,0,0}\rho_3^2\rho_4^2\exp(2i\phi_4) + b^r_{0,0,0,0,0,1,0,0,2,0}\rho_3^2\rho_5^2\exp(-2i\phi_5)+$$

$$b^r_{0,0,0,0,2,0,0,0,-2,0}\rho_3^2\rho_5^2\exp(-i(2\phi_3-2\phi_5)) + b^r_{0,0,0,0,2,0,2,0,0,0,0}\rho_3^2\rho_4^2\exp(-i(2\phi_3+2\phi_4))+$$

$$b^r_{0,0,0,0,4,0,0,0,0,0,0}\rho_3^4\exp(-4i\phi_3) + b^r_{0,0,0,1,-2,0,0,0,0,0,0}\rho_2^2\rho_3^2\exp(2i\phi_3)+$$

$$b^r_{0,0,0,1,0,0,-2,0,0,0}\rho_2^2\rho_4^2\exp(2i\phi_4) + b^r_{0,0,0,1,0,0,0,0,2,0}\rho_2^2\rho_5^2\exp(-2i\phi_5)+$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_2-\phi_3-\phi_4-\phi_5)) + b^r_{0,0,1,0,-1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_2-\phi_3+\phi_4+\phi_5)) + b^r_{0,0,1,0,1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_2+\phi_3-\phi_4+\phi_5))+$$

$$b^r_{0,0,2,0,0,0,0,0,0,1}\rho_2^2\rho_5^2\exp(-2i\phi_2) + b^r_{0,0,2,0,0,0,0,1,0,0}\rho_2^2\rho_4^2\exp(-2i\phi_2)+$$

$$b^r_{0,0,2,0,1,0,0,0,0,0}\rho_2^2\rho_3^2\exp(-2i\phi_2) + b^r_{0,0,2,1,0,0,0,0,0,0}\rho_2^4\exp(-2i\phi_2)+$$

$$b^r_{0,1,0,0,-2,0,0,0,0,0}\rho_1^2\rho_3^2\exp(2i\phi_3) + b^r_{0,1,0,0,0,0,-2,0,0,0}\rho_1^2\rho_4^2\exp(2i\phi_4)+$$

$$b^r_{0,1,0,0,0,0,0,0,2,0}\rho_1^2\rho_5^2\exp(-2i\phi_5) + b^r_{0,1,2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\exp(-2i\phi_2)+$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\exp(-i(\phi_1-\phi_2-2\phi_3)) + b^r_{1,0,-1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\exp(-i(\phi_1-\phi_2-2\phi_4)) + b^r_{1,0,-1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_5))+$$

$$b^r_{1,0,0,0,-1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_3-\phi_4-\phi_5)) + b^r_{1,0,0,0,-1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_3+\phi_4+\phi_5)) + b^r_{1,0,0,0,1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\exp(-i(\phi_1+\phi_3-\phi_4+\phi_5))+$$

$$b^r_{1,0,1,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,0,1,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2\exp(-i(\phi_1+\phi_2))+$$

$$b^r_{1,0,1,0,0,1,0,0,0,0}\rho_1\rho_2\rho_3^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,0,1,1,0,0,0,0,0,0}\rho_1\rho_2^3\exp(-i(\phi_1+\phi_2))+$$

$$b^r_{1,1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2\exp(-i(\phi_1+\phi_2)) + b^r_{2,0,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2\exp(-2i\phi_1)+$$

$$b^r_{2,0,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2\exp(-2i\phi_1) + b^r_{2,0,0,0,0,1,0,0,0,0}\rho_1^2\rho_3^2\exp(-2i\phi_1)+$$

$$b^r_{2,0,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2\exp(-2i\phi_1) + b^r_{2,1,0,0,0,0,0,0,0,0}\rho_1^4\exp(-2i\phi_1)+$$

$$b^r_{3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\exp(-i(3\phi_1-\phi_2))$$

Cartesian e-coordinates:

$$\begin{aligned}
H^{(4)}_{++} =& a^r_{0,0,0,0,0,0,0,0,0,0,2}(x_5^2+y_5^2)^2 + a^r_{0,0,0,0,0,0,0,0,1,0,1}(x_4^2+y_4^2)(x_5^2+y_5^2) + a^r_{0,0,0,0,0,0,0,2,0,0}(x_4^2+y_4^2)^2+\\
& a^r_{0,0,0,0,0,0,2,0,2,0}(x_4(x_5-y_5)+y_4(-x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5)) + a^r_{0,0,0,0,0,1,0,0,0,1}(x_3^2+y_3^2)(x_5^2+\\
& y_5^2) + a^r_{0,0,0,0,0,1,0,1,0,0}(x_3^2+y_3^2)(x_4^2+y_4^2) + a^r_{0,0,0,0,2,0,0,0,0}(x_3^2+y_3^2)^2 + a^r_{0,0,0,2,0,-2,0,0,0}(x_3(x_4-\\
& y_4)+y_3(x_4+y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4)) + a^r_{0,0,0,0,2,0,0,0,2,0}(x_3(x_5-y_5)+y_3(-x_5-y_5))(x_3(x_5+y_5)+\\
& y_3(x_5-y_5)) + a^r_{0,0,0,1,0,0,0,0,0,0,1}(x_2^2+y_2^2)(x_5^2+y_5^2) + a^r_{0,0,0,1,0,0,0,0,1,0,0}(x_2^2+y_2^2)(x_4^2+y_4^2)+\\
& a^r_{0,0,0,1,0,1,0,0,0,0}(x_2^2+y_2^2)(x_3^2+y_3^2) + a^r_{0,0,0,2,0,0,0,0,0,0,0}(x_2^2+y_2^2)^2 + a^r_{0,0,1,0,-1,0,1,0,-1,0}(x_2(x_3x_4x_5+\\
& x_3y_4y_5-x_4y_3y_5+x_5y_3y_4)+y_2(x_3x_4y_5-x_3x_5y_4+x_4x_5y_3+y_3y_4y_5))+\\
& a^r_{0,0,1,0,1,0,-1,0,-1,0}(x_2(x_3x_4x_5-x_3y_4y_5+x_4y_3y_5+x_5y_3y_4)+y_2(x_3x_4y_5+x_3x_5y_4-x_4x_5y_3+\\
& y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,0,1,0}(x_2(x_3x_4x_5-x_3y_4y_5-x_4y_3y_5-x_5y_3y_4)+y_2(-x_3x_4y_5-x_3x_5y_4-\\
& x_4x_5y_3+y_3y_4y_5)) + a^r_{0,0,2,0,0,0,0,0,-2,0}(x_2(x_5-y_5)+y_2(x_5+y_5))(x_2(x_5+y_5)+y_2(-x_5+y_5))+\\
& a^r_{0,0,2,0,0,0,2,0,0,0}(x_2(x_4-y_4)+y_2(-x_4-y_4))(x_2(x_4+y_4)+y_2(x_4-y_4)) + a^r_{0,0,2,0,2,0,0,0,0,0}(x_2(x_3-y_3)+y_2(-x_3-\\
& y_3))(x_2(x_3+y_3)+y_2(x_3-y_3)) + a^r_{0,1,0,0,0,0,0,0,0,0,1}(x_1^2+y_1^2)(x_5^2+y_5^2) + a^r_{0,1,0,0,0,0,0,1,0,0}(x_1^2+\\
& y_1^2)(x_4^2+y_4^2) + a^r_{0,1,0,0,0,1,0,0,0,0}(x_1^2+y_1^2)(x_3^2+y_3^2) + a^r_{0,1,0,1,0,0,0,0,0,0}(x_1^2+y_1^2)(x_2^2+y_2^2)+\\
& a^r_{0,2,0,0,0,0,0,0,0,0}(x_1^2+y_1^2)^2 + a^r_{1,0,-1,0,0,0,0,0,0,1}(x_5^2+y_5^2)(x_1x_2+y_1y_2) + a^r_{1,0,-1,0,0,0,0,1,0,0}(x_4^2+\\
& y_4^2)(x_1x_2+y_1y_2) + a^r_{1,0,-1,0,0,1,0,0,0,0}(x_3^2+y_3^2)(x_1x_2+y_1y_2) + a^r_{1,0,-1,1,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1x_2+\\
& y_1y_2) + a^r_{1,0,0,0,-1,0,1,0,-1,0}(x_1(x_3x_4x_5+x_3y_4y_5-x_4y_3y_5+x_5y_3y_4)+y_1(x_3x_4y_5-x_3x_5y_4+\\
& x_4x_5y_3+y_3y_4y_5)) + a^r_{1,0,0,0,1,0,-1,0,-1,0}(x_1(x_3x_4x_5-x_3y_4y_5+x_4y_3y_5+x_5y_3y_4)+y_1(x_3x_4y_5+\\
& x_3x_5y_4-x_4x_5y_3+y_3y_4y_5)) + a^r_{1,0,0,0,1,0,1,0,1,0}(x_1(x_3x_4x_5-x_3y_4y_5-x_4y_3y_5-x_5y_3y_4)+y_1(-
\end{aligned}$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,0,1,0,0,0,0,0,0,-2,0}(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)+$$

$$y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,0,1,0,0,0,0,2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4-$$

$$x_4^2y_2 + y_2y_4^2)) + a^r_{1,0,1,0,2,0,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2+$$

$$y_2y_3^2)) + a^r_{1,1,-1,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 + y_1y_2) + a^r_{2,0,-2,0,0,0,0,0,0,0,0}(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2+$$

$$y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,0,0,0,0,0,0,0,-2,0}(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5))+$$

$$a^r_{2,0,0,0,0,0,2,0,0,0}(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,2,0,0,0,0,0}(x_1(x_3 - y_3) + y_1(-x_3-$$

$$y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3))$$

$$H^{(4)}_{--} = a^r_{0,0,0,0,0,0,0,0,0,0,2}(x_5^2 + y_5^2)^2 + a^r_{0,0,0,0,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,0,0,0,0,0,0,2,0,0}(x_4^2 + y_4^2)^2+$$

$$a^r_{0,0,0,0,0,0,2,0,2,0}(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,0,0,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2+$$

$$y_5^2) + a^r_{0,0,0,0,0,1,0,1,0,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,0,0,0,0,2,0,0,0,0}(x_3^2 + y_3^2)^2 + a^r_{0,0,0,0,2,0,-2,0,0,0}(x_3(x_4-$$

$$y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,0,2,0,0,0,2,0}(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5)+$$

$$y_3(x_5 - y_5)) + a^r_{0,0,0,1,0,0,0,0,0,1}(x_2^2 + y_2^2)(x_5^2 + y_5^2) + a^r_{0,0,0,1,0,0,0,0,1,0,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)+$$

$$a^r_{0,0,0,1,0,1,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2) + a^r_{0,0,0,2,0,0,0,0,0,0}(x_2^2 + y_2^2)^2 + a^r_{0,0,1,0,-1,0,1,0,-1,0}(x_2(x_3x_4x_5+$$

$$x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5))+$$

$$a^r_{0,0,1,0,1,0,-1,0,-1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3+$$

$$y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,0,1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4-$$

$$x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,2,0,0,0,0,0,-2,0}(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5))+$$

$$a^r_{0,0,2,0,0,0,2,0,0,0}(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,2,0,0,0,0,0}(x_2(x_3 - y_3) + y_2(-x_3-$$

$$y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,1,0,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,0,0,1,0,0}(x_1^2+$$

$$y_1^2)(x_4^2 + y_4^2) + a^r_{0,1,0,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2) + a^r_{0,1,0,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)+$$

$$a^r_{0,2,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2 + a^r_{1,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2+$$

$$y_1y_2) + a^r_{1,0,0,0,-1,0,1,0,-1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4+$$

$$x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,0,0,0,1,0,-1,0,-1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5+$$

$$x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,0,0,0,1,0,1,0,1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,0,1,0,0,0,0,0,-2,0}(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)+$$

$$y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,0,1,0,0,0,2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4-$$

$$x_4^2y_2 + y_2y_4^2)) + a^r_{1,0,1,0,2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2+$$

$$y_2y_3^2)) + a^r_{1,1,-1,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 + y_1y_2) + a^r_{2,0,-2,0,0,0,0,0,0,0,0}(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2+$$

$$y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,0,0,0,0,0,0,0,-2,0}(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5))+$$

$$a^r_{2,0,0,0,0,0,2,0,0,0}(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,2,0,0,0,0,0}(x_1(x_3 - y_3) + y_1(-x_3-$$

$$y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3))$$

$$H^{(4)}_{+-} = b^r_{-1,0,-1,0,0,0,0,0,-2,0}(x_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5) + y_1(-2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2))-$$

$$ib^r_{-1,0,-1,0,0,0,0,0,-2,0}(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5))+$$

$$b^r_{-1,0,-1,0,0,0,2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4) + y_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2))+$$

$$ib^r_{-1,0,-1,0,0,0,2,0,0,0}(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 - 2x_4y_2y_4))+$$

$$b^r_{-1,0,-1,0,2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3) + y_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2))+$$

$$ib^r_{-1,0,-1,0,2,0,0,0,0,0}(x_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 - 2x_3y_2y_3))+$$

$$b^r_{-1,0,-3,0,0,0,0,0,0,0}(x_1(x_2^3 - 3x_2y_2^2) + y_1(-3x_2^2y_2 + y_2^3)) - ib^r_{-1,0,-3,0,0,0,0,0,0,0}(x_1(3x_2^2y_2 - y_2^3)+$$

$$y_1(x_2^3 - 3x_2y_2^2)) + b^r_{-1,0,0,0,0,-1,0,-1,0,1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4) + y_1(x_3x_4y_5-$$

$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) + ib^r_{-1,0,0,0,-1,0,-1,0,1,0}(x_1(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5) + y_1(-$$

$$x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{-1,0,0,0,1,0,1,0,-1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 -$$

$$x_5y_3y_4) + y_1(-x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) - ib^r_{-1,0,0,0,1,0,1,0,-1,0}(x_1(x_3x_4y_5 - x_3x_5y_4 -$$

$$x_4x_5y_3 - y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) + b^r_{-1,0,1,0,-2,0,0,0,0,0}(x_1(x_2x_3^2 -$$

$$x_2y_3^2 + 2x_3y_2y_3) + y_1(-2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2)) - ib^r_{-1,0,1,0,-2,0,0,0,0,0}(x_1(2x_2x_3y_3 - x_3^2y_2 +$$

$$y_2y_3^2) + y_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3)) + b^r_{-1,0,1,0,0,0,-2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4) + y_1(-$$

$$2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2)) - ib^r_{-1,0,1,0,0,0,-2,0,0,0}(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(x_2x_4^2 -$$

$$x_2y_4^2 + 2x_4y_2y_4)) + b^r_{-1,0,1,0,0,0,0,0,-2,0}(x_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5) + y_1(2x_2x_5y_5 + x_5^2y_2 -$$

$$y_2y_5^2)) + ib^r_{-1,0,1,0,0,0,0,0,-2,0}(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(-x_2x_5^2 + x_2y_5^2 + 2x_5y_2y_5)) +$$

$$b^r_{-1,0,3,0,0,0,0,0,0,0}(x_1(x_2^3 - 3x_2y_2^2) + y_1(3x_2^2y_2 - y_2^3)) + ib^r_{-1,0,3,0,0,0,0,0,0,0}(x_1(3x_2^2y_2 - y_2^3) + y_1(-$$

$$x_2^3 + 3x_2y_2^2)) - 2ib^r_{-2,0,-2,0,0,0,0,0,0,0}(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) + b^r_{-2,0,-2,0,0,0,0,0,0,0}(x_1(x_2 - y_2) + y_1(-x_2 -$$

$$y_2))(x_1(x_2 + y_2) + y_1(x_2 - y_2)) - 2ib^r_{-2,0,0,0,0,0,0,0,-2,0}(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) + b^r_{-2,0,0,0,0,0,0,0,-2,0}(x_1(x_5 -$$

$$y_5) + y_1(-x_5 - y_5))(x_1(x_5 + y_5) + y_1(x_5 - y_5)) + 2ib^r_{-2,0,0,0,0,0,2,0,0,0}(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) +$$

$$b^r_{-2,0,0,0,0,0,2,0,0,0}(x_1(x_4 - y_4) + y_1(x_4 + y_4))(x_1(x_4 + y_4) + y_1(-x_4 + y_4)) + 2ib^r_{-2,0,0,0,2,0,0,0,0,0}(x_1x_3 +$$

$$y_1y_3)(x_1y_3 - x_3y_1) + b^r_{-2,0,0,0,2,0,0,0,0,0}(x_1(x_3 - y_3) + y_1(x_3 + y_3))(x_1(x_3 + y_3) + y_1(-x_3 + y_3)) +$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,0}(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) - ib^r_{-3,0,-1,0,0,0,0,0,0,0}(x_1^3y_2 + 3x_1^2x_2y_1 -$$

$$3x_1y_1^2y_2 - x_2y_1^3) - 4ib^r_{-4,0,0,0,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1) + b^r_{-4,0,0,0,0,0,0,0,0,0}(x_1^2 - 2x_1y_1 -$$

$$y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) + b^r_{0,0,-1,0,-1,0,-1,0,1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4) +$$

$$y_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) + ib^r_{0,0,-1,0,-1,0,-1,0,1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 -$$

$$y_3y_4y_5) + y_2(-x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,-1,0,1,0,1,0,-1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 +$$

$$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) - ib^r_{0,0,-1,0,1,0,1,0,-1,0}(x_2(x_3x_4y_5 -$$

$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5) + y_2(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) - 2ib^r_{0,0,-2,0,0,0,0,0,-2,0}(x_2x_5 -$$

$$y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,0,0,0,0,0,-2,0}(x_2(x_5 - y_5) + y_2(-x_5 - y_5))(x_2(x_5 + y_5) + y_2(x_5 - y_5)) +$$

$$2ib^r_{0,0,-2,0,0,0,2,0,0,0}(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + b^r_{0,0,-2,0,0,0,2,0,0,0}(x_2(x_4 - y_4) + y_2(x_4 + y_4))(x_2(x_4 + y_4) +$$

$$y_2(-x_4 + y_4)) + 2ib^r_{0,0,-2,0,2,0,0,0,0,0}(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) + b^r_{0,0,-2,0,2,0,0,0,0,0}(x_2(x_3 - y_3) + y_2(x_3 +$$

$$y_3))(x_2(x_3 + y_3) + y_2(-x_3 + y_3)) - 4ib^r_{0,0,-4,0,0,0,0,0,0,0}x_2y_2(x_2 - y_2)(x_2 + y_2) + b^r_{0,0,-4,0,0,0,0,0,0,0}(x_2^2 - 2x_2y_2 -$$

$$y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) - 2ib^r_{0,0,0,0,-2,0,0,0,0,1}x_3y_3(x_5^2 + y_5^2) + b^r_{0,0,0,0,-2,0,0,0,0,1}(x_3 - y_3)(x_3 + y_3)(x_5^2 +$$

$$y_5^2) - 2ib^r_{0,0,0,0,-2,0,0,1,0,0}x_3y_3(x_4^2 + y_4^2) + b^r_{0,0,0,0,-2,0,0,1,0,0}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) -$$

$$2ib^r_{0,0,0,0,-2,1,0,0,0,0}x_3y_3(x_3^2 + y_3^2) + b^r_{0,0,0,0,-2,1,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) -$$

$$2ib^r_{0,0,0,0,0,0,-2,0,0,1}x_4y_4(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,-2,0,0,1}(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) -$$

$$2ib^r_{0,0,0,0,0,0,-2,1,0,0}x_4y_4(x_4^2 + y_4^2) + b^r_{0,0,0,0,0,0,-2,1,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) -$$

$$4ib^r_{0,0,0,0,0,0,0,0,-4,0}x_5y_5(x_5 - y_5)(x_5 + y_5) + b^r_{0,0,0,0,0,0,0,0,-4,0}(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) +$$

$$2ib^r_{0,0,0,0,0,0,0,0,2,1}x_5y_5(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,0,0,2,1}(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) +$$

$$2ib^r_{0,0,0,0,0,0,0,1,2,0}x_5y_5(x_4^2 + y_4^2) + b^r_{0,0,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) -$$

$$2ib^r_{0,0,0,0,0,0,2,0,-2,0}(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) + b^r_{0,0,0,0,0,0,2,0,-2,0}(x_4(x_5 - y_5) + y_4(x_5 + y_5))(x_4(x_5 + y_5) +$$

$$y_4(-x_5 + y_5)) + 4ib^r_{0,0,0,0,0,0,4,0,0,0}x_4y_4(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,0,0,0,4,0,0,0}(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 +$$

$$2x_4y_4 - y_4^2) - 2ib^r_{0,0,0,0,1,-2,0,0,0,0}x_4y_4(x_3^2 + y_3^2) + b^r_{0,0,0,0,1,-2,0,0,0,0}(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) +$$

$$2ib^r_{0,0,0,0,1,0,0,2,0}x_5y_5(x_3^2 + y_3^2) + b^r_{0,0,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) -$$

$$2ib^r_{0,0,0,0,2,0,0,0,-2,0}(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) + b^r_{0,0,0,0,2,0,0,0,-2,0}(x_3(x_5 - y_5) + y_3(x_5 + y_5))(x_3(x_5 + y_5) +$$

$$y_3(-x_5 + y_5)) + 2ib^r_{0,0,0,0,2,0,2,0,0,0}(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,0,2,0,2,0,0,0}(x_3(x_4 - y_4) + y_3(-x_4 -$$

$$y_4))(x_3(x_4 + y_4) + y_3(x_4 - y_4)) + 4ib^r_{0,0,0,0,4,0,0,0,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3) + b^r_{0,0,0,0,4,0,0,0,0,0}(x_3^2 - 2x_3y_3 -$$

$$y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - 2ib^r_{0,0,0,1,-2,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2) + b^r_{0,0,0,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_3 -$$

$$y_3)(x_3 + y_3) - 2ib^r_{0,0,0,1,0,0,-2,0,0,0}x_4y_4(x_2^2 + y_2^2) + b^r_{0,0,0,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) +$$

$$2ib^r_{0,0,0,1,0,0,0,0,2,0}x_5y_5(x_2^2 + y_2^2) + b^r_{0,0,0,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) +$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$$

$$y_3y_4y_5)) - ib^r_{0,0,1,0,-1,0,-1,0,-1,0}(x_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_2(-x_3x_4x_5 + x_3y_4y_5 +$$

$$x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,1,0,-1,0,1,0,1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(-x_3x_4y_5 -$$

$$x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5)) + ib^r_{0,0,1,0,-1,0,1,0,1,0}(x_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) +$$

$$y_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,1,0,1,0,-1,0,1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$$

$$x_5y_3y_4) + y_2(-x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) + ib^r_{0,0,1,0,1,0,-1,0,1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 +$$

$$x_4x_5y_3 + y_3y_4y_5) + y_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + 2ib^r_{0,0,2,0,0,0,0,0,0,1}x_2y_2(x_5^2 +$$

$$y_5^2) + b^r_{0,0,2,0,0,0,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) + 2ib^r_{0,0,2,0,0,0,0,1,0,0}x_2y_2(x_4^2 + y_4^2) +$$

$$b^r_{0,0,2,0,0,0,0,1,0,0}(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2) + 2ib^r_{0,0,2,0,0,1,0,0,0,0}x_2y_2(x_3^2 + y_3^2) + b^r_{0,0,2,0,0,1,0,0,0,0}(x_2 -$$

$$y_2)(x_2 + y_2)(x_3^2 + y_3^2) + 2ib^r_{0,0,2,1,0,0,0,0,0,0}x_2y_2(x_2^2 + y_2^2) + b^r_{0,0,2,1,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 +$$

$$y_2^2) - 2ib^r_{0,1,0,0,-2,0,0,0,0,0}x_3y_3(x_1^2 + y_1^2) + b^r_{0,1,0,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3) -$$

$$2ib^r_{0,1,0,0,0,0,-2,0,0,0}x_4y_4(x_1^2 + y_1^2) + b^r_{0,1,0,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4) +$$

$$2ib^r_{0,1,0,0,0,0,0,0,2,0}x_5y_5(x_1^2 + y_1^2) + b^r_{0,1,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5) +$$

$$2ib^r_{0,1,2,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2) + b^r_{0,1,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2) +$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2)) -$$

$$ib^r_{1,0,-1,0,-2,0,0,0,0,0}(x_1(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 + 2x_3y_2y_3)) +$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2)) -$$

$$ib^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 + 2x_4y_2y_4)) +$$

$$b^r_{1,0,-1,0,0,0,0,0,2,0}(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(-2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2)) +$$

$$ib^r_{1,0,-1,0,0,0,0,0,2,0}(x_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2) + y_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)) +$$

$$b^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$$

$$y_3y_4y_5)) - ib^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_1(-x_3x_4x_5 + x_3y_4y_5 +$$

$$x_4y_3y_5 + x_5y_3y_4)) + b^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(-x_3x_4y_5 -$$

$$x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5)) + ib^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) +$$

$$y_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) + b^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$$

$$x_5y_3y_4) + y_1(-x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) + ib^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3x_4y_5 - x_3x_5y_4 +$$

$$x_4x_5y_3 + y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 -$$

$$y_1y_2) + ib^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2 - y_1y_2) +$$

$$ib^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) +$$

$$ib^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2 - y_1y_2) +$$

$$ib^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1y_2 + x_2y_1) + b^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 - y_1y_2) +$$

$$ib^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1y_2 + x_2y_1) + 2ib^r_{2,0,0,0,0,0,0,0,0,1}x_1y_1(x_5^2 + y_5^2) + b^r_{2,0,0,0,0,0,0,0,0,1}(x_1 -$$

$$y_1)(x_1 + y_1)(x_5^2 + y_5^2) + 2ib^r_{2,0,0,0,0,0,0,1,0,0}x_1y_1(x_4^2 + y_4^2) + b^r_{2,0,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_4^2 +$$

$$y_4^2) + 2ib^r_{2,0,0,0,0,1,0,0,0,0}x_1y_1(x_3^2 + y_3^2) + b^r_{2,0,0,0,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2) +$$

$$2ib^r_{2,0,0,1,0,0,0,0,0,0}x_1y_1(x_2^2 + y_2^2) + b^r_{2,0,0,1,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) +$$

$$2ib^r_{2,1,0,0,0,0,0,0,0,0}x_1y_1(x_1^2 + y_1^2) + b^r_{2,1,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2) +$$

$$b^r_{3,0,-1,0,0,0,0,0,0,0}(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) - ib^r_{3,0,-1,0,0,0,0,0,0,0}(x_1^3y_2 - 3x_1^2x_2y_1 -$$

$$3x_1y_1^2y_2 + x_2y_1^3))$$

$$H^{(4)}_{-+} = b^r_{-1,0,-1,0,0,0,0,0,-2,0}(x_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5) + y_1(-2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) +$$

$$ib^r_{-1,0,-1,0,0,0,0,0,-2,0}(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5))+$$

$$b^r_{-1,0,-1,0,0,0,2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4) + y_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2))-$$

$$ib^r_{-1,0,-1,0,0,0,2,0,0,0}(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 - 2x_4y_2y_4))+$$

$$b^r_{-1,0,-1,0,2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3) + y_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2))-$$

$$ib^r_{-1,0,-1,0,2,0,0,0,0,0}(x_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 - 2x_3y_2y_3))+$$

$$b^r_{-1,0,-3,0,0,0,0,0,0,0}(x_1(x_2^3 - 3x_2y_2^2) + y_1(-3x_2^2y_2 + y_2^3)) + ib^r_{-1,0,-3,0,0,0,0,0,0,0}(x_1(3x_2^2y_2 - y_2^3)+$$

$$y_1(x_2^3 - 3x_2y_2^2)) + b^r_{-1,0,0,0,-1,0,-1,0,1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4) + y_1(x_3x_4y_5-$$

$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - ib^r_{-1,0,0,0,-1,0,-1,0,1,0}(x_1(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5) + y_1(-$$

$$x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{-1,0,0,0,1,0,1,0,-1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5-$$

$$x_5y_3y_4) + y_1(-x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + ib^r_{-1,0,0,0,1,0,1,0,-1,0}(x_1(x_3x_4y_5 - x_3x_5y_4-$$

$$x_4x_5y_3 - y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) + b^r_{-1,0,1,0,-2,0,0,0,0,0}(x_1(x_2x_3^2-$$

$$x_2y_3^2 + 2x_3y_2y_3) + y_1(-2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2)) + ib^r_{-1,0,1,0,-2,0,0,0,0,0}(x_1(2x_2x_3y_3 - x_3^2y_2+$$

$$y_2y_3^2) + y_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3)) + b^r_{-1,0,1,0,0,0,-2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4) + y_1(-$$

$$2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2)) + ib^r_{-1,0,1,0,0,0,-2,0,0,0}(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(x_2x_4^2-$$

$$x_2y_4^2 + 2x_4y_2y_4)) + b^r_{-1,0,1,0,0,0,0,0,-2,0}(x_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5) + y_1(2x_2x_5y_5 + x_5^2y_2-$$

$$y_2y_5^2)) - ib^r_{-1,0,1,0,0,0,0,0,-2,0}(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(-x_2x_5^2 + x_2y_5^2 + 2x_5y_2y_5))+$$

$$b^r_{-1,0,3,0,0,0,0,0,0,0}(x_1(x_2^3 - 3x_2y_2^2) + y_1(3x_2^2y_2 - y_2^3)) - ib^r_{-1,0,3,0,0,0,0,0,0,0}(x_1(3x_2^2y_2 - y_2^3) + y_1(-$$

$$x_2^3 + 3x_2y_2^2)) + 2ib^r_{-2,0,-2,0,0,0,0,0,0,0}(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) + b^r_{-2,0,-2,0,0,0,0,0,0,0}(x_1(x_2 - y_2) + y_1(-x_2-$$

$$y_2))(x_1(x_2 + y_2) + y_1(x_2 - y_2)) + 2ib^r_{-2,0,0,0,0,0,0,0,-2,0}(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) + b^r_{-2,0,0,0,0,0,0,0,-2,0}(x_1(x_5-$$

$$y_5) + y_1(-x_5 - y_5))(x_1(x_5 + y_5) + y_1(x_5 - y_5)) - 2ib^r_{-2,0,0,0,0,0,2,0,0,0}(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1)+$$

$$b^r_{-2,0,0,0,0,0,2,0,0,0}(x_1(x_4 - y_4) + y_1(x_4 + y_4))(x_1(x_4 + y_4) + y_1(-x_4 + y_4)) - 2ib^r_{-2,0,0,0,2,0,0,0,0,0}(x_1x_3+$$

$$y_1y_3)(x_1y_3 - x_3y_1) + b^r_{-2,0,0,0,2,0,0,0,0,0}(x_1(x_3 - y_3) + y_1(x_3 + y_3))(x_1(x_3 + y_3) + y_1(-x_3 + y_3))+$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,0}(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) + ib^r_{-3,0,-1,0,0,0,0,0,0,0}(x_1^3y_2 + 3x_1^2x_2y_1-$$

$$3x_1y_1^2y_2 - x_2y_1^3) + 4ib^r_{-4,0,0,0,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1) + b^r_{-4,0,0,0,0,0,0,0,0,0}(x_1^2 - 2x_1y_1-$$

$$y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) + b^r_{0,0,-1,0,-1,0,-1,0,1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)+$$

$$y_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - ib^r_{0,0,-1,0,-1,0,-1,0,1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3-$$

$$y_3y_4y_5) + y_2(-x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,-1,0,1,0,1,0,-1,0}(x_2(x_3x_4x_5 + x_3y_4y_5+$$

$$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + ib^r_{0,0,-1,0,1,0,1,0,-1,0}(x_2(x_3x_4y_5-$$

$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5) + y_2(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) + 2ib^r_{0,0,-2,0,0,0,0,0,-2,0}(x_2x_5-$$

$$y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,0,0,0,0,0,-2,0}(x_2(x_5 - y_5) + y_2(-x_5 - y_5))(x_2(x_5 + y_5) + y_2(x_5 - y_5))-$$

$$2ib^r_{0,0,-2,0,0,0,2,0,0,0}(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + b^r_{0,0,-2,0,0,0,2,0,0,0}(x_2(x_4 - y_4) + y_2(x_4 + y_4))(x_2(x_4 + y_4)+$$

$$y_2(-x_4 + y_4)) - 2ib^r_{0,0,-2,0,2,0,0,0,0,0}(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) + b^r_{0,0,-2,0,2,0,0,0,0,0}(x_2(x_3 - y_3) + y_2(x_3+$$

$$y_3))(x_2(x_3 + y_3) + y_2(-x_3 + y_3)) + 4ib^r_{0,0,-4,0,0,0,0,0,0,0}x_2y_2(x_2 - y_2)(x_2 + y_2) + b^r_{0,0,-4,0,0,0,0,0,0,0}(x_2^2 - 2x_2y_2-$$

$$y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) + 2ib^r_{0,0,0,0,-2,0,0,0,0,1}x_3y_3(x_5^2 + y_5^2) + b^r_{0,0,0,0,-2,0,0,0,0,1}(x_3 - y_3)(x_3 + y_3)(x_5^2+$$

$$y_5^2) + 2ib^r_{0,0,0,0,-2,0,0,1,0,0}x_3y_3(x_4^2 + y_4^2) + b^r_{0,0,0,0,-2,0,0,1,0,0}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)+$$

$$2ib^r_{0,0,0,0,-2,1,0,0,0,0}x_3y_3(x_3^2 + y_3^2) + b^r_{0,0,0,0,-2,1,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2)+$$

$$2ib^r_{0,0,0,0,0,0,-2,0,0,1}x_4y_4(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,-2,0,0,1}(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2)+$$

$$2ib^r_{0,0,0,0,0,0,-2,1,0,0}x_4y_4(x_4^2 + y_4^2) + b^r_{0,0,0,0,0,0,-2,1,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)+$$

$$4ib^r_{0,0,0,0,0,0,0,0,-4,0}x_5y_5(x_5 - y_5)(x_5 + y_5) + b^r_{0,0,0,0,0,0,0,0,-4,0}(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2)-$$

$$2ib^r_{0,0,0,0,0,0,0,0,2,1}x_5y_5(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,0,0,2,1}(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2)-$$

$$2ib^r_{0,0,0,0,0,0,0,1,2,0}x_5y_5(x_4^2 + y_4^2) + b^r_{0,0,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5)+$$

$$2ib^r_{0,0,0,0,0,0,2,0,-2,0}(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) + b^r_{0,0,0,0,0,0,2,0,-2,0}(x_4(x_5 - y_5) + y_4(x_5 + y_5))(x_4(x_5 + y_5)+$$

$y_4(-x_5 + y_5)) - 4ib^r_{0,0,0,0,0,0,4,0,0,0}x_4y_4(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,0,0,0,4,0,0,0}(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 +$

$2x_4y_4 - y_4^2) + 2ib^r_{0,0,0,0,0,1,-2,0,0,0}x_4y_4(x_3^2 + y_3^2) + b^r_{0,0,0,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) -$

$2ib^r_{0,0,0,0,0,1,0,0,2,0}x_5y_5(x_3^2 + y_3^2) + b^r_{0,0,0,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) +$

$2ib^r_{0,0,0,0,2,0,0,0,-2,0}(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) + b^r_{0,0,0,0,2,0,0,0,-2,0}(x_3(x_5 - y_5) + y_3(x_5 + y_5))(x_3(x_5 + y_5) +$

$y_3(-x_5 + y_5)) - 2ib^r_{0,0,0,0,2,0,2,0,0,0}(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,0,2,0,2,0,0,0}(x_3(x_4 - y_4) + y_3(-x_4 -$

$y_4))(x_3(x_4 + y_4) + y_3(x_4 - y_4)) - 4ib^r_{0,0,0,0,4,0,0,0,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3) + b^r_{0,0,0,0,4,0,0,0,0,0}(x_3^2 - 2x_3y_3 -$

$y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) + 2ib^r_{0,0,0,1,-2,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2) + b^r_{0,0,0,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_3 -$

$y_3)(x_3 + y_3) + 2ib^r_{0,0,0,1,0,0,-2,0,0,0}x_4y_4(x_2^2 + y_2^2) + b^r_{0,0,0,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) -$

$2ib^r_{0,0,0,1,0,0,0,0,2,0}x_5y_5(x_2^2 + y_2^2) + b^r_{0,0,0,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) +$

$b^r_{0,0,1,0,-1,0,-1,0,-1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$

$y_3y_4y_5)) + ib^r_{0,0,1,0,-1,0,-1,0,-1,0}(x_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_2(-x_3x_4x_5 + x_3y_4y_5 +$

$x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,1,0,-1,0,1,0,1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(-x_3x_4y_5 -$

$x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5)) - ib^r_{0,0,1,0,-1,0,1,0,1,0}(x_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) +$

$y_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,1,0,1,0,-1,0,1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$

$x_5y_3y_4) + y_2(-x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - ib^r_{0,0,1,0,1,0,-1,0,1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 +$

$x_4x_5y_3 + y_3y_4y_5) + y_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) - 2ib^r_{0,0,2,0,0,0,0,0,0,1}x_2y_2(x_5^2 +$

$y_5^2) + b^r_{0,0,2,0,0,0,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) - 2ib^r_{0,0,2,0,0,0,0,1,0,0}x_2y_2(x_4^2 + y_4^2) +$

$b^r_{0,0,2,0,0,0,0,1,0,0}(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2) - 2ib^r_{0,0,2,0,0,1,0,0,0,0}x_2y_2(x_3^2 + y_3^2) + b^r_{0,0,2,0,0,1,0,0,0,0}(x_2 -$

$y_2)(x_2 + y_2)(x_3^2 + y_3^2) - 2ib^r_{0,0,2,1,0,0,0,0,0,0}x_2y_2(x_2^2 + y_2^2) + b^r_{0,0,2,1,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 +$

$y_2^2) + 2ib^r_{0,1,0,0,-2,0,0,0,0,0}x_3y_3(x_1^2 + y_1^2) + b^r_{0,1,0,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3) +$

$2ib^r_{0,1,0,0,0,0,-2,0,0,0}x_4y_4(x_1^2 + y_1^2) + b^r_{0,1,0,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4) -$

$2ib^r_{0,1,0,0,0,0,0,0,2,0}x_5y_5(x_1^2 + y_1^2) + b^r_{0,1,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5) -$

$2ib^r_{0,1,2,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2) + b^r_{0,1,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2) +$

$b^r_{1,0,-1,0,-2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2)) +$

$ib^r_{1,0,-1,0,-2,0,0,0,0,0}(x_1(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 + 2x_3y_2y_3)) +$

$b^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2)) +$

$ib^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 + 2x_4y_2y_4)) +$

$b^r_{1,0,-1,0,0,0,0,0,2,0}(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(-2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2)) -$

$ib^r_{1,0,-1,0,0,0,0,0,2,0}(x_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2) + y_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)) +$

$b^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$

$y_3y_4y_5)) + ib^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_1(-x_3x_4x_5 + x_3y_4y_5 +$

$x_4y_3y_5 + x_5y_3y_4)) + b^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(-x_3x_4y_5 -$

$x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5)) - ib^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) +$

$y_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) + b^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$

$x_5y_3y_4) + y_1(-x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - ib^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3x_4y_5 - x_3x_5y_4 +$

$x_4x_5y_3 + y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 -$

$y_1y_2) - ib^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2 - y_1y_2) -$

$ib^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) -$

$ib^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2 - y_1y_2) -$

$ib^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1y_2 + x_2y_1) + b^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 - y_1y_2) -$

$ib^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1y_2 + x_2y_1) - 2ib^r_{2,0,0,0,0,0,0,0,0,1}x_1y_1(x_5^2 + y_5^2) + b^r_{2,0,0,0,0,0,0,0,0,1}(x_1 -$

$y_1)(x_1 + y_1)(x_5^2 + y_5^2) - 2ib^r_{2,0,0,0,0,0,0,1,0,0}x_1y_1(x_4^2 + y_4^2) + b^r_{2,0,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_4^2 +$

$$y_4^2) - 2ib_{2,0,0,0,0,0,1,0,0,0,0}^r x_1 y_1 (x_3^2 + y_3^2) + b_{2,0,0,0,0,0,1,0,0,0,0}^r (x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2) -$$
$$2ib_{2,0,0,1,0,0,0,0,0,0,0}^r x_1 y_1 (x_2^2 + y_2^2) + b_{2,0,0,1,0,0,0,0,0,0,0}^r (x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) -$$
$$2ib_{2,1,0,0,0,0,0,0,0,0,0}^r x_1 y_1 (x_1^2 + y_1^2) + b_{2,1,0,0,0,0,0,0,0,0,0}^r (x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2) +$$
$$b_{3,0,-1,0,0,0,0,0,0,0,0}^r (x_1^3 x_2 + 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 - y_1^3 y_2) + ib_{3,0,-1,0,0,0,0,0,0,0,0}^r (x_1^3 y_2 - 3x_1^2 x_2 y_1 -$$
$$3x_1 y_1^2 y_2 + x_2 y_1^3)$$

3.6 Order: 5

Number of fitting parameters: H_{++}: 92, H_{+-}: 174.

Polar e-coordinates:

$$H_{++}^{(5)} = a_{0,0,0,0,0,1,0,-1,0,-3,0}^r \rho_3 \rho_4 \rho_5^3 \cos(-\phi_3 + \phi_4 + 3\phi_5) + a_{0,0,0,0,0,1,0,-1,0,3,0}^r \rho_3 \rho_4 \rho_5^3 \cos(\phi_3 - \phi_4 +$$
$$3\phi_5) + a_{0,0,0,0,0,1,0,-3,0,1,0}^r \rho_3 \rho_4^3 \rho_5 \cos(\phi_3 - 3\phi_4 + \phi_5) + a_{0,0,0,0,0,1,0,1,0,-1,1}^r \rho_3 \rho_4 \rho_5^3 \cos(\phi_3 +$$
$$\phi_4 - \phi_5) + a_{0,0,0,0,0,1,0,1,1,-1,0}^r \rho_3 \rho_4^3 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a_{0,0,0,0,0,1,0,3,0,1,0}^r \rho_3 \rho_4^3 \rho_5 \cos(\phi_3 +$$
$$3\phi_4 + \phi_5) + a_{0,0,0,0,0,1,1,1,0,-1,0}^r \rho_3^3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a_{0,0,0,0,0,3,0,-1,0,-1,0}^r \rho_3^3 \rho_4 \rho_5 \cos(-$$
$$3\phi_3 + \phi_4 + \phi_5) + a_{0,0,0,0,0,3,0,1,0,1,0}^r \rho_3^3 \rho_4 \rho_5 \cos(3\phi_3 + \phi_4 + \phi_5) +$$
$$a_{0,0,0,1,1,0,1,0,-1,0}^r \rho_2^2 \rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a_{0,0,1,0,-2,0,0,0,0,1}^r \rho_2 \rho_3^2 \rho_5^2 \cos(\phi_2 -$$
$$2\phi_3) + a_{0,0,1,0,-2,0,0,1,0,0}^r \rho_2 \rho_3^2 \rho_4^2 \cos(\phi_2 - 2\phi_3) + a_{0,0,1,0,-2,1,0,0,0,0}^r \rho_2 \rho_3^4 \cos(\phi_2 - 2\phi_3) +$$
$$a_{0,0,1,0,0,0,-2,0,0,1}^r \rho_2 \rho_4^2 \rho_5^2 \cos(\phi_2 - 2\phi_4) + a_{0,0,1,0,0,0,-2,1,0,0}^r \rho_2 \rho_4^4 \cos(\phi_2 - 2\phi_4) +$$
$$a_{0,0,1,0,0,0,0,0,0,-4,0}^r \rho_2 \rho_5^4 \cos(\phi_2 - 4\phi_5) + a_{0,0,1,0,0,0,0,0,0,2,1}^r \rho_2 \rho_5^4 \cos(\phi_2 + 2\phi_5) +$$
$$a_{0,0,1,0,0,0,0,1,2,0}^r \rho_2 \rho_4^2 \rho_5^2 \cos(\phi_2 + 2\phi_5) + a_{0,0,1,0,0,0,2,0,-2,0}^r \rho_2 \rho_4^2 \rho_5^2 \cos(\phi_2 + 2\phi_4 -$$
$$2\phi_5) + a_{0,0,1,0,0,0,4,0,0,0}^r \rho_2 \rho_4^4 \cos(\phi_2 + 4\phi_4) + a_{0,0,1,0,0,1,-2,0,0,0}^r \rho_2 \rho_3^2 \rho_4^2 \cos(\phi_2 - 2\phi_4) +$$
$$a_{0,0,1,0,0,1,0,0,2,0}^r \rho_2 \rho_3^2 \rho_5^2 \cos(\phi_2 + 2\phi_5) + a_{0,0,1,0,2,0,0,0,-2,0}^r \rho_2 \rho_3^2 \rho_5^2 \cos(\phi_2 + 2\phi_3 -$$
$$2\phi_5) + a_{0,0,1,0,2,0,2,0,0,0}^r \rho_2 \rho_3^2 \rho_4^2 \cos(\phi_2 + 2\phi_3 + 2\phi_4) + a_{0,0,1,0,4,0,0,0,0,0}^r \rho_2 \rho_3^4 \cos(\phi_2 +$$
$$4\phi_3) + a_{0,0,1,1,-2,0,0,0,0,0}^r \rho_2^3 \rho_3^2 \cos(\phi_2 - 2\phi_3) + a_{0,0,1,1,0,0,-2,0,0,0}^r \rho_2^3 \rho_4^2 \cos(\phi_2 - 2\phi_4) +$$
$$a_{0,0,1,1,0,0,0,0,2,0}^r \rho_2^3 \rho_5^2 \cos(\phi_2 + 2\phi_5) + a_{0,0,2,0,-1,0,-1,0,-1,0}^r \rho_2^2 \rho_3 \rho_4 \rho_5 \cos(-2\phi_2 + \phi_3 + \phi_4 +$$
$$\phi_5) + a_{0,0,2,0,-1,0,1,0,1,0}^r \rho_2^2 \rho_3 \rho_4 \rho_5 \cos(2\phi_2 - \phi_3 + \phi_4 + \phi_5) +$$
$$a_{0,0,2,0,1,0,-1,0,1,0}^r \rho_2^2 \rho_3 \rho_4 \rho_5 \cos(2\phi_2 + \phi_3 - \phi_4 + \phi_5) + a_{0,0,3,0,0,0,0,0,0,1}^r \rho_2^3 \rho_5^2 \cos(3\phi_2) +$$
$$a_{0,0,3,0,0,0,0,1,0,0}^r \rho_2^3 \rho_4^2 \cos(3\phi_2) + a_{0,0,3,0,0,1,0,0,0,0}^r \rho_2^3 \rho_3^2 \cos(3\phi_2) +$$
$$a_{0,0,3,1,0,0,0,0,0,0}^r \rho_2^5 \cos(3\phi_2) + a_{0,1,0,0,1,0,1,0,-1,0}^r \rho_1^2 \rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) +$$
$$a_{0,1,1,0,-2,0,0,0,0,0}^r \rho_1^2 \rho_2 \rho_3^2 \cos(\phi_2 - 2\phi_3) + a_{0,1,1,0,0,0,-2,0,0,0}^r \rho_1^2 \rho_2 \rho_4^2 \cos(\phi_2 - 2\phi_4) +$$
$$a_{0,1,1,0,0,0,0,0,2,0}^r \rho_1^2 \rho_2 \rho_5^2 \cos(\phi_2 + 2\phi_5) + a_{0,1,3,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2^3 \cos(3\phi_2) +$$
$$a_{1,0,-1,0,-1,0,-1,0,1,0}^r \rho_1 \rho_2 \rho_3 \rho_4 \rho_5 \cos(-\phi_1 + \phi_2 + \phi_3 + \phi_4 - \phi_5) +$$
$$a_{1,0,-1,0,1,0,1,0,-1,0}^r \rho_1 \rho_2 \rho_3 \rho_4 \rho_5 \cos(\phi_1 - \phi_2 + \phi_3 + \phi_4 - \phi_5) +$$
$$a_{1,0,-2,0,0,0,0,0,-2,0}^r \rho_1 \rho_2^2 \rho_5^2 \cos(-\phi_1 + 2\phi_2 + 2\phi_5) + a_{1,0,-2,0,0,0,2,0,0,0}^r \rho_1 \rho_2^2 \rho_4^2 \cos(\phi_1 -$$
$$2\phi_2 + 2\phi_4) + a_{1,0,-2,0,2,0,0,0,0,0}^r \rho_1 \rho_2^2 \rho_3^2 \cos(\phi_1 - 2\phi_2 + 2\phi_3) +$$
$$a_{1,0,-4,0,0,0,0,0,0,0}^r \rho_1 \rho_2^4 \cos(\phi_1 - 4\phi_2) + a_{1,0,0,0,-2,0,0,0,0,1}^r \rho_1 \rho_3^2 \rho_5^2 \cos(\phi_1 - 2\phi_3) +$$
$$a_{1,0,0,0,-2,0,0,1,0,0}^r \rho_1 \rho_3^2 \rho_4^2 \cos(\phi_1 - 2\phi_3) + a_{1,0,0,0,-2,1,0,0,0,0}^r \rho_1 \rho_3^4 \cos(\phi_1 - 2\phi_3) +$$
$$a_{1,0,0,0,0,0,-2,0,0,1}^r \rho_1 \rho_4^2 \rho_5^2 \cos(\phi_1 - 2\phi_4) + a_{1,0,0,0,0,0,-2,1,0,0}^r \rho_1 \rho_4^4 \cos(\phi_1 - 2\phi_4) +$$
$$a_{1,0,0,0,0,0,0,0,0,-4,0}^r \rho_1 \rho_5^4 \cos(\phi_1 - 4\phi_5) + a_{1,0,0,0,0,0,0,0,0,2,1}^r \rho_1 \rho_5^4 \cos(\phi_1 + 2\phi_5) +$$
$$a_{1,0,0,0,0,0,0,1,2,0}^r \rho_1 \rho_4^2 \rho_5^2 \cos(\phi_1 + 2\phi_5) + a_{1,0,0,0,0,0,2,0,-2,0}^r \rho_1 \rho_4^2 \rho_5^2 \cos(\phi_1 + 2\phi_4 -$$
$$2\phi_5) + a_{1,0,0,0,0,0,4,0,0,0}^r \rho_1 \rho_4^4 \cos(\phi_1 + 4\phi_4) + a_{1,0,0,0,0,1,-2,0,0,0}^r \rho_1 \rho_3^2 \rho_4^2 \cos(\phi_1 - 2\phi_4) +$$
$$a_{1,0,0,0,0,1,0,0,2,0}^r \rho_1 \rho_3^2 \rho_5^2 \cos(\phi_1 + 2\phi_5) + a_{1,0,0,0,2,0,0,0,-2,0}^r \rho_1 \rho_3^2 \rho_5^2 \cos(\phi_1 + 2\phi_3 -$$

$$2\phi_5) + a^r_{1,0,0,0,2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1 + 2\phi_3 + 2\phi_4) + a^r_{1,0,0,0,4,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1 +$$
$$4\phi_3) + a^r_{1,0,0,1,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1 - 2\phi_3) + a^r_{1,0,0,1,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1 -$$
$$2\phi_4) + a^r_{1,0,0,1,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1 + 2\phi_5) + a^r_{1,0,1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-$$
$$\phi_1 - \phi_2 + \phi_3 + \phi_4 + \phi_5) + a^r_{1,0,1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1 + \phi_2 - \phi_3 + \phi_4 + \phi_5) +$$
$$a^r_{1,0,1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1 + \phi_2 + \phi_3 - \phi_4 + \phi_5) +$$
$$a^r_{1,0,2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1 + 2\phi_2) + a^r_{1,0,2,0,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1 + 2\phi_2) +$$
$$a^r_{1,0,2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1 + 2\phi_2) + a^r_{1,0,2,1,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1 + 2\phi_2) +$$
$$a^r_{1,1,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1 - 2\phi_3) + a^r_{1,1,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(\phi_1 - 2\phi_4) +$$
$$a^r_{1,1,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(\phi_1 + 2\phi_5) + a^r_{1,1,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1 + 2\phi_2) +$$
$$a^r_{2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(-2\phi_1 + \phi_2 + 2\phi_3) + a^r_{2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(-2\phi_1 +$$
$$\phi_2 + 2\phi_4) + a^r_{2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1 - \phi_2 + 2\phi_5) +$$
$$a^r_{2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(-2\phi_1 + \phi_3 + \phi_4 + \phi_5) +$$
$$a^r_{2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1 - \phi_3 + \phi_4 + \phi_5) +$$
$$a^r_{2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1 + \phi_3 - \phi_4 + \phi_5) +$$
$$a^r_{2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1 + \phi_2) + a^r_{2,0,1,0,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1 + \phi_2) +$$
$$a^r_{2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1 + \phi_2) + a^r_{2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1 + \phi_2) +$$
$$a^r_{2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(2\phi_1 + \phi_2) + a^r_{3,0,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\cos(3\phi_1) +$$
$$a^r_{3,0,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\cos(3\phi_1) + a^r_{3,0,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1) +$$
$$a^r_{3,0,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1) + a^r_{3,1,0,0,0,0,0,0,0,0}\rho_1^5\cos(3\phi_1) +$$
$$a^r_{4,0,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(4\phi_1 - \phi_2)$$

$$H^{(5)}_{--} = a^r_{0,0,0,0,1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\cos(-\phi_3 + \phi_4 + 3\phi_5) + a^r_{0,0,0,0,1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3 - \phi_4 +$$
$$3\phi_5) + a^r_{0,0,0,0,1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3 - 3\phi_4 + \phi_5) + a^r_{0,0,0,0,1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3 +$$
$$\phi_4 - \phi_5) + a^r_{0,0,0,0,1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3 + \phi_4 - \phi_5) + a^r_{0,0,0,0,1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3 +$$
$$3\phi_4 + \phi_5) + a^r_{0,0,0,0,1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3 + \phi_4 - \phi_5) + a^r_{0,0,0,0,3,0,-1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(-$$
$$3\phi_3 + \phi_4 + \phi_5) + a^r_{0,0,0,0,3,0,1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3 + \phi_4 + \phi_5) +$$
$$a^r_{0,0,0,1,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3 + \phi_4 - \phi_5) + a^r_{0,0,1,0,-2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2 -$$
$$2\phi_3) + a^r_{0,0,1,0,-2,0,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2 - 2\phi_3) + a^r_{0,0,1,0,-2,1,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2 - 2\phi_3) +$$
$$a^r_{0,0,1,0,0,0,-2,0,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2 - 2\phi_4) + a^r_{0,0,1,0,0,0,-2,1,0,0}\rho_2\rho_4^4\cos(\phi_2 - 2\phi_4) +$$
$$a^r_{0,0,1,0,0,0,0,0,-4,0}\rho_2\rho_5^4\cos(\phi_2 - 4\phi_5) + a^r_{0,0,1,0,0,0,0,0,2,1}\rho_2\rho_5^4\cos(\phi_2 + 2\phi_5) +$$
$$a^r_{0,0,1,0,0,0,0,1,2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2 + 2\phi_5) + a^r_{0,0,1,0,0,0,2,0,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2 + 2\phi_4 -$$
$$2\phi_5) + a^r_{0,0,1,0,0,0,4,0,0,0}\rho_2\rho_4^4\cos(\phi_2 + 4\phi_4) + a^r_{0,0,1,0,0,1,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2 - 2\phi_4) +$$
$$a^r_{0,0,1,0,0,1,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2 + 2\phi_5) + a^r_{0,0,1,0,2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2 + 2\phi_3 -$$
$$2\phi_5) + a^r_{0,0,1,0,2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2 + 2\phi_3 + 2\phi_4) + a^r_{0,0,1,0,4,0,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2 +$$
$$4\phi_3) + a^r_{0,0,1,1,-2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2 - 2\phi_3) + a^r_{0,0,1,1,0,0,-2,0,0,0}\rho_2^3\rho_4^2\cos(\phi_2 - 2\phi_4) +$$
$$a^r_{0,0,1,1,0,0,0,0,2,0}\rho_2^3\rho_5^2\cos(\phi_2 + 2\phi_5) + a^r_{0,0,2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(-2\phi_2 + \phi_3 + \phi_4 +$$
$$\phi_5) + a^r_{0,0,2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2 - \phi_3 + \phi_4 + \phi_5) +$$
$$a^r_{0,0,2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2 + \phi_3 - \phi_4 + \phi_5) + a^r_{0,0,3,0,0,0,0,0,0,1}\rho_2^3\rho_5^2\cos(3\phi_2) +$$
$$a^r_{0,0,3,0,0,0,0,1,0,0}\rho_2^3\rho_4^2\cos(3\phi_2) + a^r_{0,0,3,0,0,1,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2) +$$
$$a^r_{0,0,3,1,0,0,0,0,0,0}\rho_2^5\cos(3\phi_2) + a^r_{0,1,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3 + \phi_4 - \phi_5) +$$
$$a^r_{0,1,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2 - 2\phi_3) + a^r_{0,1,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2 - 2\phi_4) +$$
$$a^r_{0,1,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(\phi_2 + 2\phi_5) + a^r_{0,1,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(3\phi_2) +$$

$a^r_{1,0,-1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,-1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,-2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(-\phi_1+2\phi_2+2\phi_5)+a^r_{1,0,-2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-$

$2\phi_2+2\phi_4)+a^r_{1,0,-2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_2+2\phi_3)+$

$a^r_{1,0,-4,0,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1-4\phi_2)+a^r_{1,0,0,0,-2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1-2\phi_3)+$

$a^r_{1,0,0,0,-2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_3)+a^r_{1,0,0,0,-2,1,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1-2\phi_3)+$

$a^r_{1,0,0,0,0,0,-2,0,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1-2\phi_4)+a^r_{1,0,0,0,0,0,-2,1,0,0}\rho_1\rho_4^4\cos(\phi_1-2\phi_4)+$

$a^r_{1,0,0,0,0,0,0,0,-4,0}\rho_1\rho_5^4\cos(\phi_1-4\phi_5)+a^r_{1,0,0,0,0,0,0,0,2,1}\rho_1\rho_5^4\cos(\phi_1+2\phi_5)+$

$a^r_{1,0,0,0,0,0,0,1,2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,0,0,0,0,0,2,0,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_4-$

$2\phi_5)+a^r_{1,0,0,0,0,0,4,0,0,0}\rho_1\rho_4^4\cos(\phi_1+4\phi_4)+a^r_{1,0,0,0,0,1,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_4)+$

$a^r_{1,0,0,0,0,1,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,0,0,0,2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_3-$

$2\phi_5)+a^r_{1,0,0,0,2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+2\phi_3+2\phi_4)+a^r_{1,0,0,0,4,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1+$

$4\phi_3)+a^r_{1,0,0,1,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_3)+a^r_{1,0,0,1,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-$

$2\phi_4)+a^r_{1,0,0,1,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,0,1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-$

$\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+a^r_{1,0,1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2)+a^r_{1,0,2,0,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+2\phi_2)+$

$a^r_{1,0,2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2)+a^r_{1,0,2,1,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1+2\phi_2)+$

$a^r_{1,1,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1-2\phi_3)+a^r_{1,1,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(\phi_1-2\phi_4)+$

$a^r_{1,1,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,1,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1+2\phi_2)+$

$a^r_{2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(-2\phi_1+\phi_2+2\phi_3)+a^r_{2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(-2\phi_1+$

$\phi_2+2\phi_4)+a^r_{2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1-\phi_2+2\phi_5)+$

$a^r_{2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+\phi_2)+a^r_{2,0,1,0,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+\phi_2)+$

$a^r_{2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2)+a^r_{2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1+\phi_2)+$

$a^r_{2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(2\phi_1+\phi_2)+a^r_{3,0,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\cos(3\phi_1)+$

$a^r_{3,0,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\cos(3\phi_1)+a^r_{3,0,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1)+$

$a^r_{3,0,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1)+a^r_{3,1,0,0,0,0,0,0,0,0}\rho_1^5\cos(3\phi_1)+$

$a^r_{4,0,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(4\phi_1-\phi_2)$

$H^{(5)}_{+-}=b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_1-\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{-1,0,-1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_1-\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{-1,0,-1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_1-\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{-1,0,-2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(i(-\phi_1-2\phi_2-2\phi_3))+b^r_{-1,0,-2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(i(-$

$\phi_1-2\phi_2-2\phi_4))+b^r_{-1,0,-2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\exp(i(-\phi_1-2\phi_2+2\phi_5))+$

$b^r_{-1,0,0,0,-2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\exp(i(-\phi_1-2\phi_3-2\phi_5))+b^r_{-1,0,0,0,-2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(i(-$

$\phi_1-2\phi_3+2\phi_4))+b^r_{-1,0,0,0,0,0,-2,0,-2,0}\rho_1\rho_4^2\rho_5^2\exp(i(-\phi_1-2\phi_4-2\phi_5))+$

$b^r_{-1,0,0,0,0,0,0,0,0,2}\rho_1\rho_5^4\exp(-i\phi_1)+b^r_{-1,0,0,0,0,0,0,0,1,0,1}\rho_1\rho_4^2\rho_5^2\exp(-i\phi_1)+$

$b^r_{-1,0,0,0,0,0,0,2,0,0}\rho_1\rho_4^4\exp(-i\phi_1)+b^r_{-1,0,0,0,0,0,2,0,2,0}\rho_1\rho_4^2\rho_5^2\exp(i(-\phi_1+2\phi_4+2\phi_5))+$

$b^r_{-1,0,0,0,0,1,0,0,0,1}\rho_1\rho_3^2\rho_5^2\exp(-i\phi_1)+b^r_{-1,0,0,0,0,1,0,1,0,0}\rho_1\rho_3^2\rho_4^2\exp(-i\phi_1)+$

$$b^r_{-1,0,0,0,0,2,0,0,0,0}\rho_1\rho_3^4\exp(-i\phi_1) + b^r_{-1,0,0,0,2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(i(-\phi_1+2\phi_3-2\phi_4))+$$

$$b^r_{-1,0,0,0,2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\exp(i(-\phi_1+2\phi_3+2\phi_5)) + b^r_{-1,0,0,1,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\exp(-i\phi_1) +$$

$$b^r_{-1,0,0,1,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\exp(-i\phi_1) + b^r_{-1,0,0,1,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(-i\phi_1)+$$

$$b^r_{-1,0,0,2,0,0,0,0,0,0}\rho_1\rho_2^4\exp(-i\phi_1) + b^r_{-1,0,1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_1+\phi_2-\phi_3+$$

$$\phi_4-\phi_5)) + b^r_{-1,0,1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_1+\phi_2+\phi_3-\phi_4-\phi_5))+$$

$$b^r_{-1,0,1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_1+\phi_2+\phi_3+\phi_4+\phi_5))+$$

$$b^r_{-1,0,2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\exp(i(-\phi_1+2\phi_2-2\phi_5)) + b^r_{-1,0,2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(i(-$$

$$\phi_1+2\phi_2+2\phi_4)) + b^r_{-1,0,2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(i(-\phi_1+2\phi_2+2\phi_3))+$$

$$b^r_{-1,1,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\exp(-i\phi_1) + b^r_{-1,1,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\exp(-i\phi_1)+$$

$$b^r_{-1,1,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\exp(-i\phi_1) + b^r_{-1,1,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(-i\phi_1)+$$

$$b^r_{-1,2,0,0,0,0,0,0,0,0}\rho_1^5\exp(-i\phi_1) + b^r_{-2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(i(-2\phi_1-\phi_2-2\phi_3))+$$

$$b^r_{-2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(i(-2\phi_1-\phi_2-2\phi_4)) + b^r_{-2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\exp(i(-$$

$$2\phi_1-\phi_2+2\phi_5)) + b^r_{-2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(-2\phi_1-\phi_3-\phi_4-\phi_5))+$$

$$b^r_{-2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(-2\phi_1-\phi_3+\phi_4+\phi_5))+$$

$$b^r_{-2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(-2\phi_1+\phi_3-\phi_4+\phi_5))+$$

$$b^r_{-2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\exp(i(-2\phi_1+\phi_2)) + b^r_{-2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\exp(i(-2\phi_1+$$

$$\phi_2)) + b^r_{-2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(i(-2\phi_1+\phi_2)) + b^r_{-2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(i(-2\phi_1+$$

$$\phi_2)) + b^r_{-2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\exp(i(-2\phi_1+\phi_2)) + b^r_{-3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\exp(i(-3\phi_1-2\phi_3))+$$

$$b^r_{-3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\exp(i(-3\phi_1-2\phi_4)) + b^r_{-3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\exp(i(-3\phi_1+2\phi_5))+$$

$$b^r_{-3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(i(-3\phi_1+2\phi_2)) + b^r_{0,0,-1,0,-2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_2-2\phi_3-$$

$$2\phi_5)) + b^r_{0,0,-1,0,-2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_2-2\phi_3+2\phi_4))+$$

$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_2-2\phi_4-2\phi_5)) + b^r_{0,0,-1,0,0,0,0,0,0,2}\rho_2\rho_5^4\exp(-i\phi_2)+$$

$$b^r_{0,0,-1,0,0,0,0,1,0,1}\rho_2\rho_4^2\rho_5^2\exp(-i\phi_2) + b^r_{0,0,-1,0,0,0,0,2,0,0}\rho_2\rho_4^4\exp(-i\phi_2)+$$

$$b^r_{0,0,-1,0,0,0,2,0,2,0}\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_2+2\phi_4+2\phi_5)) + b^r_{0,0,-1,0,0,1,0,0,0,1}\rho_2\rho_3^2\rho_5^2\exp(-$$

$$i\phi_2) + b^r_{0,0,-1,0,0,1,0,1,0,0}\rho_2\rho_3^2\rho_4^2\exp(-i\phi_2) + b^r_{0,0,-1,0,0,2,0,0,0,0}\rho_2\rho_3^4\exp(-i\phi_2)+$$

$$b^r_{0,0,-1,0,2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_2+2\phi_3-2\phi_4)) + b^r_{0,0,-1,0,2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\exp(i(-$$

$$\phi_2+2\phi_3+2\phi_5)) + b^r_{0,0,-1,1,0,0,0,0,0,1}\rho_2^3\rho_5^2\exp(-i\phi_2) + b^r_{0,0,-1,1,0,0,0,1,0,0}\rho_2^3\rho_4^2\exp(-i\phi_2)+$$

$$b^r_{0,0,-1,1,0,1,0,0,0,0}\rho_2^3\rho_3^2\exp(-i\phi_2) + b^r_{0,0,-1,2,0,0,0,0,0,0}\rho_2^5\exp(-i\phi_2)+$$

$$b^r_{0,0,-2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(-2\phi_2-\phi_3-\phi_4-\phi_5))+$$

$$b^r_{0,0,-2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(-2\phi_2-\phi_3+\phi_4+\phi_5))+$$

$$b^r_{0,0,-2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(-2\phi_2+\phi_3-\phi_4+\phi_5)) + b^r_{0,0,-3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\exp(i(-$$

$$3\phi_2-2\phi_3)) + b^r_{0,0,-3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\exp(i(-3\phi_2-2\phi_4)) + b^r_{0,0,-3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\exp(i(-$$

$$3\phi_2+2\phi_5)) + b^r_{0,0,0,0,-1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\exp(i(-\phi_3-\phi_4-3\phi_5))+$$

$$b^r_{0,0,0,0,-1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\exp(i(-\phi_3-\phi_4+3\phi_5)) + b^r_{0,0,0,0,-1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\exp(i(-\phi_3-$$

$$3\phi_4+\phi_5)) + b^r_{0,0,0,0,-1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\exp(i(-\phi_3+\phi_4-\phi_5))+$$

$$b^r_{0,0,0,0,-1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\exp(i(-\phi_3+\phi_4-\phi_5)) + b^r_{0,0,0,0,-1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\exp(i(-\phi_3+$$

$$3\phi_4+\phi_5)) + b^r_{0,0,0,0,-1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\exp(i(-\phi_3+\phi_4-\phi_5))+$$

$$b^r_{0,0,0,0,-3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\exp(i(-3\phi_3-\phi_4+\phi_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,1}\rho_3\rho_4\rho_5^3\exp(i(\phi_3-$$

$$\phi_4-\phi_5)) + b^r_{0,0,0,0,1,0,-1,1,-1,0}\rho_3\rho_4^3\rho_5\exp(i(\phi_3-\phi_4-\phi_5))+$$

$$b^r_{0,0,0,0,1,0,1,0,1,1}\rho_3\rho_4\rho_5^3\exp(i(\phi_3+\phi_4+\phi_5)) + b^r_{0,0,0,0,1,0,1,1,1,0}\rho_3\rho_4^3\rho_5\exp(i(\phi_3+\phi_4+$$

$$\phi_5)) + b^r_{0,0,0,0,1,1,-1,0,-1,0}\rho_3^3\rho_4\rho_5\exp(i(\phi_3-\phi_4-\phi_5)) + b^r_{0,0,0,0,1,1,1,0,1,0}\rho_3^3\rho_4\rho_5\exp(i(\phi_3+$$

$$\phi_4+\phi_5)) + b^r_{0,0,0,0,3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\exp(i(3\phi_3-\phi_4+\phi_5))+$$

$b^r_{0,0,0,1,-1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,0,1,1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,0,1,1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(\phi_3+\phi_4+\phi_5))+b^r_{0,0,1,0,-2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(i(\phi_2-2\phi_3-2\phi_4))+b^r_{0,0,1,0,-2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\exp(i(\phi_2-2\phi_3+2\phi_5))+$

$b^r_{0,0,1,0,-4,0,0,0,0,0}\rho_2\rho_3^4\exp(i(\phi_2-4\phi_3))+b^r_{0,0,1,0,0,0,-2,0,2,0}\rho_2\rho_4^2\rho_5^2\exp(i(\phi_2-2\phi_4+2\phi_5))+$

$b^r_{0,0,1,0,0,0,-4,0,0,0}\rho_2\rho_4^4\exp(i(\phi_2-4\phi_4))+b^r_{0,0,1,0,0,0,0,0,-2,1}\rho_2\rho_5^4\exp(i(\phi_2-2\phi_5))+$

$b^r_{0,0,1,0,0,0,0,0,4,0}\rho_2\rho_5^4\exp(i(\phi_2+4\phi_5))+b^r_{0,0,1,0,0,0,0,1,-2,0}\rho_2\rho_4^2\rho_5^2\exp(i(\phi_2-2\phi_5))+$

$b^r_{0,0,1,0,0,0,2,0,0,1}\rho_2\rho_4^2\rho_5^2\exp(i(\phi_2+2\phi_4))+b^r_{0,0,1,0,0,0,2,1,0,0}\rho_2\rho_4^4\exp(i(\phi_2+2\phi_4))+$

$b^r_{0,0,1,0,0,1,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\exp(i(\phi_2-2\phi_5))+b^r_{0,0,1,0,0,1,2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(i(\phi_2+2\phi_4))+$

$b^r_{0,0,1,0,2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\exp(i(\phi_2+2\phi_3))+b^r_{0,0,1,0,2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\exp(i(\phi_2+2\phi_3))+$

$b^r_{0,0,1,0,2,1,0,0,0,0}\rho_2\rho_3^4\exp(i(\phi_2+2\phi_3))+b^r_{0,0,1,1,0,0,0,0,-2,0}\rho_2^3\rho_5^2\exp(i(\phi_2-2\phi_5))+$

$b^r_{0,0,1,1,0,0,2,0,0,0}\rho_2^3\rho_4^2\exp(i(\phi_2+2\phi_4))+b^r_{0,0,1,1,2,0,0,0,0,0}\rho_2^3\rho_3^2\exp(i(\phi_2+2\phi_3))+$

$b^r_{0,0,2,0,-1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(2\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,2,0,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(i(2\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\exp(i(3\phi_2-2\phi_3))+b^r_{0,0,3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\exp(i(3\phi_2-2\phi_4))+$

$b^r_{0,0,3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\exp(i(3\phi_2+2\phi_5))+b^r_{0,0,5,0,0,0,0,0,0,0}\rho_2^5\exp(5i\phi_2)+$

$b^r_{0,1,-1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\exp(-i\phi_2)+b^r_{0,1,-1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\exp(-i\phi_2)+$

$b^r_{0,1,-1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(-i\phi_2)+b^r_{0,1,-1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(-i\phi_2)+$

$b^r_{0,1,0,0,0,-1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(-\phi_3+\phi_4-\phi_5))+$

$b^r_{0,1,0,0,0,1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(\phi_3-\phi_4-\phi_5))+$

$b^r_{0,1,0,0,1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(\phi_3+\phi_4+\phi_5))+b^r_{0,1,1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\exp(i(\phi_2-2\phi_5))+b^r_{0,1,1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(i(\phi_2+2\phi_4))+b^r_{0,1,1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(i(\phi_2+2\phi_3))+b^r_{0,2,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\exp(-i\phi_2)+b^r_{1,0,-1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_1-\phi_2-\phi_3+\phi_4-\phi_5))+b^r_{1,0,-1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_1-\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{1,0,-1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_1-\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{1,0,-2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\exp(i(\phi_1-2\phi_2))+b^r_{1,0,-2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\exp(i(\phi_1-2\phi_2))+$

$b^r_{1,0,-2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(i(\phi_1-2\phi_2))+b^r_{1,0,-2,1,0,0,0,0,0,0}\rho_1\rho_2^4\exp(i(\phi_1-2\phi_2))+$

$b^r_{1,0,0,0,-2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(i(\phi_1-2\phi_3-2\phi_4))+b^r_{1,0,0,0,-2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\exp(i(\phi_1-2\phi_3+2\phi_5))+b^r_{1,0,0,0,-4,0,0,0,0,0}\rho_1\rho_3^4\exp(i(\phi_1-4\phi_3))+b^r_{1,0,0,0,0,0,-2,0,2,0}\rho_1\rho_4^2\rho_5^2\exp(i(\phi_1-2\phi_4+2\phi_5))+b^r_{1,0,0,0,0,0,-4,0,0,0}\rho_1\rho_4^4\exp(i(\phi_1-4\phi_4))+b^r_{1,0,0,0,0,0,0,0,-2,1}\rho_1\rho_5^4\exp(i(\phi_1-2\phi_5))+b^r_{1,0,0,0,0,0,0,0,4,0}\rho_1\rho_5^4\exp(i(\phi_1+4\phi_5))+b^r_{1,0,0,0,0,0,0,1,-2,0}\rho_1\rho_4^2\rho_5^2\exp(i(\phi_1-2\phi_5))+$

$b^r_{1,0,0,0,0,0,2,0,0,1}\rho_1\rho_4^2\rho_5^2\exp(i(\phi_1+2\phi_4))+b^r_{1,0,0,0,0,0,2,1,0,0}\rho_1\rho_4^4\exp(i(\phi_1+2\phi_4))+$

$b^r_{1,0,0,0,0,1,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\exp(i(\phi_1-2\phi_5))+b^r_{1,0,0,0,0,1,2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(i(\phi_1+2\phi_4))+$

$b^r_{1,0,0,0,2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\exp(i(\phi_1+2\phi_3))+b^r_{1,0,0,0,2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\exp(i(\phi_1+2\phi_3))+$

$b^r_{1,0,0,0,2,1,0,0,0,0}\rho_1\rho_3^4\exp(i(\phi_1+2\phi_3))+b^r_{1,0,0,1,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\exp(i(\phi_1-2\phi_5))+$

$b^r_{1,0,0,1,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(i(\phi_1+2\phi_4))+b^r_{1,0,0,1,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(i(\phi_1+2\phi_3))+$

$b^r_{1,0,1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_1+\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_1+\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{1,0,2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(i(\phi_1+2\phi_2-2\phi_3))+b^r_{1,0,2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(i(\phi_1+2\phi_2-2\phi_4))+b^r_{1,0,2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\exp(i(\phi_1+2\phi_2+2\phi_5))+$

$b^r_{1,0,4,0,0,0,0,0,0,0}\rho_1\rho_2^4\exp(i(\phi_1+4\phi_2))+b^r_{1,1,-2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(i(\phi_1-2\phi_2))+$

$b^r_{1,1,0,0,0,0,0,0,-2,0}\rho_1^3\rho_5^2\exp(i(\phi_1-2\phi_5))+b^r_{1,1,0,0,0,0,0,2,0,0,0}\rho_1^3\rho_4^2\exp(i(\phi_1+2\phi_4))+$

$b^r_{1,1,0,0,0,2,0,0,0,0,0}\rho_1^3\rho_3^2\exp(i(\phi_1+2\phi_3))+b^r_{2,0,-1,0,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\exp(i(2\phi_1-\phi_2-$

$2\phi_5))+b^r_{2,0,-1,0,0,0,2,0,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(i(2\phi_1-\phi_2+2\phi_4))+$

$b^r_{2,0,-1,0,2,0,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(i(2\phi_1-\phi_2+2\phi_3))+b^r_{2,0,-3,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(i(2\phi_1-$

$3\phi_2))+b^r_{2,0,0,0,-1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(2\phi_1-\phi_3-\phi_4+\phi_5))+$

$b^r_{2,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(i(2\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{2,0,1,0,-2,0,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(i(2\phi_1+\phi_2-2\phi_3))+b^r_{2,0,1,0,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(i(2\phi_1+$

$\phi_2-2\phi_4))+b^r_{2,0,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\exp(i(2\phi_1+\phi_2+2\phi_5))+$

$b^r_{2,0,3,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(i(2\phi_1+3\phi_2))+b^r_{3,0,0,0,-2,0,0,0,0,0,0}\rho_1^3\rho_3^2\exp(i(3\phi_1-2\phi_3))+$

$b^r_{3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\exp(i(3\phi_1-2\phi_4))+b^r_{3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\exp(i(3\phi_1+2\phi_5))+$

$b^r_{3,0,2,0,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(i(3\phi_1+2\phi_2))+b^r_{4,0,1,0,0,0,0,0,0,0,0}\rho_1^4\rho_2\exp(i(4\phi_1+\phi_2))+$

$b^r_{5,0,0,0,0,0,0,0,0,0,0}\rho_1^5\exp(5i\phi_1)$

$H^{(5)}_{-+}=b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_1-\phi_2-\phi_3-\phi_4-\phi_5))+$

$\quad b^r_{-1,0,-1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_1-\phi_2-\phi_3+\phi_4+\phi_5))+$

$\quad b^r_{-1,0,-1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_1-\phi_2+\phi_3-\phi_4+\phi_5))+$

$\quad b^r_{-1,0,-2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(-i(-\phi_1-2\phi_2-2\phi_3))+b^r_{-1,0,-2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(-i(-$

$\quad \phi_1-2\phi_2-2\phi_4))+b^r_{-1,0,-2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\exp(-i(-\phi_1-2\phi_2+2\phi_5))+$

$\quad b^r_{-1,0,0,0,-2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\exp(-i(-\phi_1-2\phi_3-2\phi_5))+b^r_{-1,0,0,0,-2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(-i(-$

$\quad \phi_1-2\phi_3+2\phi_4))+b^r_{-1,0,0,0,0,0,-2,0,-2,0}\rho_1\rho_4^2\rho_5^2\exp(-i(-\phi_1-2\phi_4-2\phi_5))+$

$\quad b^r_{-1,0,0,0,0,0,0,0,0,2}\rho_1\rho_5^4\exp(i\phi_1)+b^r_{-1,0,0,0,0,0,0,1,0,1}\rho_1\rho_4^2\rho_5^2\exp(i\phi_1)+$

$\quad b^r_{-1,0,0,0,0,0,0,2,0,0}\rho_1\rho_4^4\exp(i\phi_1)+b^r_{-1,0,0,0,0,0,2,0,2,0}\rho_1\rho_4^2\rho_5^2\exp(-i(-\phi_1+2\phi_4+2\phi_5))+$

$\quad b^r_{-1,0,0,0,0,1,0,0,0,1}\rho_1\rho_3^2\rho_5^2\exp(i\phi_1)+b^r_{-1,0,0,0,0,1,0,1,0,0}\rho_1\rho_3^2\rho_4^2\exp(i\phi_1)+$

$\quad b^r_{-1,0,0,0,0,2,0,0,0,0}\rho_1\rho_3^4\exp(i\phi_1)+b^r_{-1,0,0,0,0,2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(-i(-\phi_1+2\phi_3-2\phi_4))+$

$\quad b^r_{-1,0,0,0,2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\exp(-i(-\phi_1+2\phi_3+2\phi_5))+$

$\quad b^r_{-1,0,0,1,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\exp(i\phi_1)+b^r_{-1,0,0,1,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\exp(i\phi_1)+$

$\quad b^r_{-1,0,0,1,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(i\phi_1)+b^r_{-1,0,0,2,0,0,0,0,0,0}\rho_1\rho_2^4\exp(i\phi_1)+$

$\quad b^r_{-1,0,1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_1+\phi_2-\phi_3+\phi_4-\phi_5))+$

$\quad b^r_{-1,0,1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_1+\phi_2+\phi_3-\phi_4-\phi_5))+$

$\quad b^r_{-1,0,1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_1+\phi_2+\phi_3+\phi_4+\phi_5))+$

$\quad b^r_{-1,0,2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\exp(-i(-\phi_1+2\phi_2-2\phi_5))+b^r_{-1,0,2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(-i(-$

$\quad \phi_1+2\phi_2+2\phi_4))+b^r_{-1,0,2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(-i(-\phi_1+2\phi_2+2\phi_3))+$

$\quad b^r_{-1,1,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\exp(i\phi_1)+b^r_{-1,1,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\exp(i\phi_1)+$

$\quad b^r_{-1,1,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\exp(i\phi_1)+b^r_{-1,1,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(i\phi_1)+$

$\quad b^r_{-1,2,0,0,0,0,0,0,0,0}\rho_1^5\exp(i\phi_1)+b^r_{-2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(-i(-2\phi_1-\phi_2-2\phi_3))+$

$\quad b^r_{-2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(-i(-2\phi_1-\phi_2-2\phi_4))+b^r_{-2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\exp(-i(-$

$\quad 2\phi_1-\phi_2+2\phi_5))+b^r_{-2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1-\phi_3-\phi_4-\phi_5))+$

$\quad b^r_{-2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1-\phi_3+\phi_4+\phi_5))+$

$\quad b^r_{-2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1+\phi_3-\phi_4+\phi_5))+$

$\quad b^r_{-2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\exp(-i(-2\phi_1+\phi_2))+b^r_{-2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\exp(-i(-2\phi_1+$

$\quad \phi_2))+b^r_{-2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(-i(-2\phi_1+\phi_2))+b^r_{-2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(-i(-2\phi_1+$

$\quad \phi_2))+b^r_{-2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\exp(-i(-2\phi_1+\phi_2))+b^r_{-3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\exp(-i(-3\phi_1-$

$\quad 2\phi_3))+b^r_{-3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\exp(-i(-3\phi_1-2\phi_4))+b^r_{-3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\exp(-i(-3\phi_1+$

$2\phi_5)) + b^r_{-3,0,2,0,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(-i(-3\phi_1 + 2\phi_2)) + b^r_{0,0,-1,0,-2,0,0,0,-2,0}\rho_2\rho_3^3\rho_5^2\exp(-i(-\phi_2 - 2\phi_3 - 2\phi_5)) + b^r_{0,0,-1,0,-2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(-i(-\phi_2 - 2\phi_3 + 2\phi_4)) +$

$b^r_{0,0,-1,0,0,0,-2,0,-2,0}\rho_2\rho_4^2\rho_5^2\exp(-i(-\phi_2 - 2\phi_4 - 2\phi_5)) + b^r_{0,0,-1,0,0,0,0,0,0,2}\rho_2\rho_5^4\exp(i\phi_2) +$

$b^r_{0,0,-1,0,0,0,0,1,0,1}\rho_2\rho_4^2\rho_5^2\exp(i\phi_2) + b^r_{0,0,-1,0,0,0,0,2,0,0}\rho_2\rho_4^4\exp(i\phi_2) +$

$b^r_{0,0,-1,0,0,0,2,0,2,0}\rho_2\rho_4^2\rho_5^2\exp(-i(-\phi_2 + 2\phi_4 + 2\phi_5)) +$

$b^r_{0,0,-1,0,0,1,0,0,0,1}\rho_2\rho_3^2\rho_5^2\exp(i\phi_2) + b^r_{0,0,-1,0,0,0,1,0,1,0,0}\rho_2\rho_3^2\rho_4^2\exp(i\phi_2) +$

$b^r_{0,0,-1,0,0,2,0,0,0,0}\rho_2\rho_3^4\exp(i\phi_2) + b^r_{0,0,-1,0,2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(-i(-\phi_2 + 2\phi_3 - 2\phi_4)) +$

$b^r_{0,0,-1,0,2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\exp(-i(-\phi_2 + 2\phi_3 + 2\phi_5)) + b^r_{0,0,-1,1,0,0,0,0,0,1}\rho_2^3\rho_5^2\exp(i\phi_2) +$

$b^r_{0,0,-1,1,0,0,0,1,0,0}\rho_2^3\rho_4^2\exp(i\phi_2) + b^r_{0,0,-1,1,0,1,0,0,0,0}\rho_2^3\rho_3^2\exp(i\phi_2) +$

$b^r_{0,0,-1,2,0,0,0,0,0,0}\rho_2^5\exp(i\phi_2) + b^r_{0,0,-2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-2\phi_2 - \phi_3 - \phi_4 - \phi_5)) +$

$b^r_{0,0,-2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-2\phi_2 - \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{0,0,-2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-2\phi_2 + \phi_3 - \phi_4 + \phi_5)) + b^r_{0,0,-3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\exp(-i(-3\phi_2 - 2\phi_3)) + b^r_{0,0,-3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\exp(-i(-3\phi_2 - 2\phi_4)) + b^r_{0,0,-3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\exp(-i(-3\phi_2 + 2\phi_5)) + b^r_{0,0,0,0,-1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\exp(-i(-\phi_3 - \phi_4 - 3\phi_5)) +$

$b^r_{0,0,0,0,-1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\exp(-i(-\phi_3 - \phi_4 + 3\phi_5)) + b^r_{0,0,0,0,-1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\exp(-i(-\phi_3 - 3\phi_4 + \phi_5)) + b^r_{0,0,0,0,-1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\exp(-i(-\phi_3 + \phi_4 - \phi_5)) +$

$b^r_{0,0,0,0,-1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\exp(-i(-\phi_3 + \phi_4 - \phi_5)) + b^r_{0,0,0,0,-1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\exp(-i(-\phi_3 + 3\phi_4 + \phi_5)) + b^r_{0,0,0,0,-1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\exp(-i(-\phi_3 + \phi_4 - \phi_5)) +$

$b^r_{0,0,0,0,-3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\exp(-i(-3\phi_3 - \phi_4 + \phi_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,1}\rho_3\rho_4\rho_5^3\exp(-i(\phi_3 - \phi_4 - \phi_5)) + b^r_{0,0,0,0,1,0,-1,1,-1,0}\rho_3\rho_4^3\rho_5\exp(-i(\phi_3 - \phi_4 - \phi_5)) + b^r_{0,0,0,0,1,0,1,0,1,1}\rho_3\rho_4\rho_5^3\exp(-i(\phi_3 + \phi_4 + \phi_5)) + b^r_{0,0,0,0,1,0,1,1,1,0}\rho_3\rho_4^3\rho_5\exp(-i(\phi_3 + \phi_4 + \phi_5)) +$

$b^r_{0,0,0,0,1,1,-1,0,-1,0}\rho_3^3\rho_4\rho_5\exp(-i(\phi_3 - \phi_4 - \phi_5)) + b^r_{0,0,0,0,1,1,1,0,1,0}\rho_3^3\rho_4\rho_5\exp(-i(\phi_3 + \phi_4 + \phi_5)) + b^r_{0,0,0,0,3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\exp(-i(3\phi_3 - \phi_4 + \phi_5)) + b^r_{0,0,0,1,-1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-\phi_3 + \phi_4 - \phi_5)) + b^r_{0,0,0,1,1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_3 - \phi_4 - \phi_5)) +$

$b^r_{0,0,0,1,1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_3 + \phi_4 + \phi_5)) + b^r_{0,0,1,0,-2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_2 - 2\phi_3 - 2\phi_4)) + b^r_{0,0,1,0,-2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_2 - 2\phi_3 + 2\phi_5)) +$

$b^r_{0,0,1,0,-4,0,0,0,0,0}\rho_2\rho_3^4\exp(-i(\phi_2 - 4\phi_3)) + b^r_{0,0,1,0,0,0,-2,0,2,0}\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_2 - 2\phi_4 + 2\phi_5)) + b^r_{0,0,1,0,0,0,-4,0,0,0}\rho_2\rho_4^4\exp(-i(\phi_2 - 4\phi_4)) + b^r_{0,0,1,0,0,0,0,0,-2,1}\rho_2\rho_5^4\exp(-i(\phi_2 - 2\phi_5)) +$

$b^r_{0,0,1,0,0,0,0,0,4,0}\rho_2\rho_5^4\exp(-i(\phi_2 + 4\phi_5)) + b^r_{0,0,1,0,0,0,0,1,-2,0}\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_2 - 2\phi_5)) +$

$b^r_{0,0,1,0,0,0,2,0,0,1}\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_2 + 2\phi_4)) + b^r_{0,0,1,0,0,0,2,1,0,0}\rho_2\rho_4^4\exp(-i(\phi_2 + 2\phi_4)) +$

$b^r_{0,0,1,0,0,1,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_2 - 2\phi_5)) + b^r_{0,0,1,0,0,1,2,0,0,0}\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_2 + 2\phi_4)) + b^r_{0,0,1,0,2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_2 + 2\phi_3)) + b^r_{0,0,1,0,2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_2 + 2\phi_3)) + b^r_{0,0,1,0,2,1,0,0,0,0}\rho_2\rho_3^4\exp(-i(\phi_2 + 2\phi_3)) + b^r_{0,0,1,1,0,0,0,0,-2,0}\rho_2^3\rho_5^2\exp(-i(\phi_2 - 2\phi_5)) + b^r_{0,0,1,1,0,0,2,0,0,0}\rho_2^3\rho_4^2\exp(-i(\phi_2 + 2\phi_4)) + b^r_{0,0,1,1,2,0,0,0,0,0}\rho_2^3\rho_3^2\exp(-i(\phi_2 + 2\phi_3)) +$

$b^r_{0,0,2,0,-1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(2\phi_2 - \phi_3 - \phi_4 + \phi_5)) +$

$b^r_{0,0,2,0,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\exp(-i(2\phi_2 + \phi_3 + \phi_4 - \phi_5)) + b^r_{0,0,3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\exp(-i(3\phi_2 - 2\phi_3)) + b^r_{0,0,3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\exp(-i(3\phi_2 - 2\phi_4)) + b^r_{0,0,3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\exp(-i(3\phi_2 + 2\phi_5)) + b^r_{0,0,5,0,0,0,0,0,0,0}\rho_2^5\exp(-5i\phi_2) + b^r_{0,1,-1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\exp(i\phi_2) +$

$b^r_{0,1,-1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\exp(i\phi_2) + b^r_{0,1,-1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(i\phi_2) +$

$b^r_{0,1,-1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(i\phi_2) + b^r_{0,1,0,0,0,-1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(-\phi_3 + \phi_4 - \phi_5)) +$

$b^r_{0,1,0,0,0,1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(\phi_3 - \phi_4 - \phi_5)) + b^r_{0,1,0,0,0,1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(\phi_3 + \phi_4 + \phi_5)) + b^r_{0,1,1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\exp(-i(\phi_2 - 2\phi_5)) +$

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$b^r_{0,1,1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(-i(\phi_2+2\phi_4)) + b^r_{0,1,1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(-i(\phi_2+2\phi_3)) + b^r_{0,2,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\exp(i\phi_2) + b^r_{1,0,-1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_2-\phi_3+\phi_4-\phi_5)) + b^r_{1,0,-1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_2+\phi_3-\phi_4-\phi_5)) + b^r_{1,0,-1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)) + b^r_{1,0,-2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\exp(-i(\phi_1-2\phi_2)) + b^r_{1,0,-2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\exp(-i(\phi_1-2\phi_2)) + b^r_{1,0,-2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(-i(\phi_1-2\phi_2)) + b^r_{1,0,-2,1,0,0,0,0,0,0}\rho_1\rho_2^4\exp(-i(\phi_1-2\phi_2)) + b^r_{1,0,0,0,-2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(-i(\phi_1-2\phi_3-2\phi_4)) + b^r_{1,0,0,0,-2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\exp(-i(\phi_1-2\phi_3+2\phi_5)) + b^r_{1,0,0,0,-4,0,0,0,0,0}\rho_1\rho_3^4\exp(-i(\phi_1-4\phi_3)) + b^r_{1,0,0,0,0,0,-2,0,2,0}\rho_1\rho_4^2\rho_5^2\exp(-i(\phi_1-2\phi_4+2\phi_5)) + b^r_{1,0,0,0,0,0,-4,0,0,0}\rho_1\rho_4^4\exp(-i(\phi_1-4\phi_4)) + b^r_{1,0,0,0,0,0,0,0,-2,1}\rho_1\rho_5^4\exp(-i(\phi_1-2\phi_5)) + b^r_{1,0,0,0,0,0,0,0,4,0}\rho_1\rho_5^4\exp(-i(\phi_1+4\phi_5)) + b^r_{1,0,0,0,0,0,1,-2,0}\rho_1\rho_4^2\rho_5^2\exp(-i(\phi_1-2\phi_5)) + b^r_{1,0,0,0,0,0,2,0,0,1}\rho_1\rho_4^2\rho_5^2\exp(-i(\phi_1+2\phi_4)) + b^r_{1,0,0,0,0,0,2,1,0,0}\rho_1\rho_4^4\exp(-i(\phi_1+2\phi_4)) + b^r_{1,0,0,0,0,1,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\exp(-i(\phi_1-2\phi_5)) + b^r_{1,0,0,0,0,1,2,0,0,0}\rho_1\rho_3^2\rho_4^2\exp(-i(\phi_1+2\phi_4)) + b^r_{1,0,0,0,2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\exp(-i(\phi_1+2\phi_3)) + b^r_{1,0,0,0,2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\exp(-i(\phi_1+2\phi_3)) + b^r_{1,0,0,0,2,1,0,0,0,0}\rho_1\rho_3^4\exp(-i(\phi_1+2\phi_3)) + b^r_{1,0,0,1,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\exp(-i(\phi_1-2\phi_5)) + b^r_{1,0,0,1,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(-i(\phi_1+2\phi_4)) + b^r_{1,0,0,1,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(-i(\phi_1+2\phi_3)) + b^r_{1,0,1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)) + b^r_{1,0,1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)) + b^r_{1,0,2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\exp(-i(\phi_1+2\phi_2-2\phi_3)) + b^r_{1,0,2,0,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\exp(-i(\phi_1+2\phi_2-2\phi_4)) + b^r_{1,0,2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\exp(-i(\phi_1+2\phi_2+2\phi_5)) + b^r_{1,0,4,0,0,0,0,0,0,0}\rho_1\rho_2^4\exp(-i(\phi_1+4\phi_2)) + b^r_{1,1,-2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(-i(\phi_1-2\phi_2)) + b^r_{1,1,0,0,0,0,0,0,-2,0}\rho_1^3\rho_5^2\exp(-i(\phi_1-2\phi_5)) + b^r_{1,1,0,0,0,0,0,2,0,0,0}\rho_1^3\rho_4^2\exp(-i(\phi_1+2\phi_4)) + b^r_{1,1,0,0,2,0,0,0,0,0}\rho_1^3\rho_3^2\exp(-i(\phi_1+2\phi_3)) + b^r_{2,0,-1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\exp(-i(2\phi_1-\phi_2-2\phi_5)) + b^r_{2,0,-1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(-i(2\phi_1-\phi_2+2\phi_4)) + b^r_{2,0,-1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(-i(2\phi_1-\phi_2+2\phi_3)) + b^r_{2,0,-3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(-i(2\phi_1-3\phi_2)) + b^r_{2,0,0,0,-1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(2\phi_1-\phi_3-\phi_4+\phi_5)) + b^r_{2,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\exp(-i(2\phi_1+\phi_3+\phi_4-\phi_5)) + b^r_{2,0,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\exp(-i(2\phi_1+\phi_2-2\phi_3)) + b^r_{2,0,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\exp(-i(2\phi_1+\phi_2-2\phi_4)) + b^r_{2,0,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\exp(-i(2\phi_1+\phi_2+2\phi_5)) + b^r_{2,0,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\exp(-i(2\phi_1+3\phi_2)) + b^r_{3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\exp(-i(3\phi_1-2\phi_3)) + b^r_{3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\exp(-i(3\phi_1-2\phi_4)) + b^r_{3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\exp(-i(3\phi_1+2\phi_5)) + b^r_{3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\exp(-i(3\phi_1+2\phi_2)) + b^r_{4,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\exp(-i(4\phi_1+\phi_2)) + b^r_{5,0,0,0,0,0,0,0,0,0}\rho_1^5\exp(-5i\phi_1)$

Cartesian e-coordinates:

$$H^{(5)}_{++} = a^r_{0,0,0,0,1,0,-1,0,-3,0}(x_3(x_4x_5^3-3x_4x_5y_5^2-3x_5^2y_4y_5+y_4y_5^3)+y_3(3x_4x_5^2y_5-x_4y_5^3+x_5^3y_4-3x_5y_4y_5^2)) + a^r_{0,0,0,0,1,0,-1,0,3,0}(x_3(x_4x_5^3-3x_4x_5y_5^2+3x_5^2y_4y_5-y_4y_5^3)+y_3(-3x_4x_5^2y_5+x_4y_5^3+x_5^3y_4-3x_5y_4y_5^2)) + a^r_{0,0,0,0,1,0,-3,0,1,0}(x_3(x_4^3x_5+3x_4^2y_4y_5-3x_4x_5y_4^2-y_4^3y_5)+y_3(-x_4^3y_5+3x_4^2x_5y_4+3x_4y_4^2y_5-x_5y_4^3)) + a^r_{0,0,0,0,1,0,1,0,-1,1}(x_5^2+y_5^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4)) + a^r_{0,0,0,0,1,0,1,1,-1,0}(x_4^2+y_4^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4)) + a^r_{0,0,0,0,1,0,3,0,1,0}(x_3(x_4^3x_5-3x_4^2y_4y_5-3x_4x_5y_4^2+y_4^3y_5)+y_3(-x_4^3y_5-3x_4^2x_5y_4+3x_4y_4^2y_5+x_5y_4^3)) + a^r_{0,0,0,0,1,1,1,0,-1,0}(x_3^2+y_3^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4)) +$$

$$a^r_{0,0,0,0,3,0,-1,0,-1,0}(x_3(-3x_4x_5y_3^2+3y_3^2y_4y_5)+x_4(x_3^3x_5-y_3^3y_5)+y_3(3x_3^2x_4y_5+3x_3^2x_5y_4)+$$
$$y_4(-x_3^3y_5-x_5y_3^3))+a^r_{0,0,0,0,3,0,1,0,1,0}(x_3(-3x_4x_5y_3^2+3y_3^2y_4y_5)+x_4(x_3^3x_5+y_3^3y_5)+y_3(-$$
$$3x_3^2x_4y_5-3x_3^2x_5y_4)+y_4(-x_3^3y_5+x_5y_3^3))+a^r_{0,0,0,1,1,0,1,0,-1,0}(x_2^2+y_2^2)(x_3(x_4x_5+y_4y_5)+$$
$$y_3(x_4y_5-x_5y_4))+a^r_{0,0,1,0,-2,0,0,0,0,1}(x_5^2+y_5^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,0,1,0,-2,0,0,1,0,0}(x_4^2+$$
$$y_4^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,0,1,0,-2,1,0,0,0,0}(x_3^2+y_3^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+$$
$$a^r_{0,0,1,0,0,0,-2,0,0,1}(x_5^2+y_5^2)(x_2(x_4^2-y_4^2)+2x_4y_2y_4)+a^r_{0,0,1,0,0,0,-2,1,0,0}(x_4^2+y_4^2)(x_2(x_4^2-y_4^2)+$$
$$2x_4y_2y_4)+a^r_{0,0,1,0,0,0,0,0,-4,0}(x_2(x_5^4-6x_5^2y_5^2+y_5^4)+y_2(4x_5^3y_5-4x_5y_5^3))+a^r_{0,0,1,0,0,0,0,0,2,1}(x_5^2+$$
$$y_5^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,0,1,0,0,0,0,1,2,0}(x_4^2+y_4^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+$$
$$a^r_{0,0,1,0,0,0,2,0,-2,0}(x_2(x_4^2x_5^2-x_4^2y_5^2+4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+y_2(2x_4^2x_5y_5-$$
$$2x_4x_5^2y_4+2x_4y_4y_5^2-2x_5y_4^2y_5))+a^r_{0,0,1,0,0,0,4,0,0,0}(x_2(x_4^4-6x_4^2y_4^2+y_4^4)+y_2(-4x_4^3y_4+$$
$$4x_4y_4^3))+a^r_{0,0,1,0,0,1,-2,0,0,0}(x_3^2+y_3^2)(x_2(x_4^2-y_4^2)+2x_4y_2y_4)+a^r_{0,0,1,0,0,1,0,0,2,0}(x_3^2+$$
$$y_3^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,0,1,0,2,0,0,0,0,-2,0}(x_2(x_3^2x_5^2-x_3^2y_5^2+4x_3x_5y_3y_5-x_5^2y_3^2+$$
$$y_3^2y_5^2)+y_2(2x_3^2x_5y_5-2x_3x_5^2y_3+2x_3y_3y_5^2-2x_5y_3^2y_5))+a^r_{0,0,1,0,2,0,2,0,0,0}(x_2(x_3^2x_4^2-$$
$$x_3^2y_4^2-4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2)+y_2(-2x_3^2x_4y_4-2x_3x_4^2y_3+2x_3y_3y_4^2+$$
$$2x_4y_3^2y_4))+a^r_{0,0,1,0,4,0,0,0,0,0}(x_2(x_3^4-6x_3^2y_3^2+y_3^4)+y_2(-4x_3^3y_3+4x_3y_3^3))+$$
$$a^r_{0,0,1,1,-2,0,0,0,0,0}(x_2^2+y_2^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,0,1,1,0,0,-2,0,0,0}(x_2^2+y_2^2)(x_2(x_4^2-y_4^2)+$$
$$2x_4y_2y_4)+a^r_{0,0,1,1,0,0,0,0,2,0}(x_2^2+y_2^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,0,2,0,-1,0,-1,0,-1,0}(x_2(2x_3x_4y_2y_5+$$
$$2x_3x_5y_2y_4+2x_4x_5y_2y_3-2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5-x_2^2y_4y_5-x_4x_5y_2^2+y_2^2y_4y_5)+y_3(-$$
$$x_2^2x_4y_5-x_2^2x_5y_4+x_4y_2^2y_5+x_5y_2^2y_4))+a^r_{0,0,2,0,-1,0,1,0,1,0}(x_2(-2x_3x_4y_2y_5-2x_3x_5y_2y_4+$$
$$2x_4x_5y_2y_3-2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5-x_2^2y_4y_5-x_4x_5y_2^2+y_2^2y_4y_5)+y_3(x_2^2x_4y_5+$$
$$x_2^2x_5y_4-x_4y_2^2y_5-x_5y_2^2y_4))+a^r_{0,0,2,0,1,0,1,0,-1,0,1,0}(x_2(-2x_3x_4y_2y_5+2x_3x_5y_2y_4-2x_4x_5y_2y_3-$$
$$2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5+x_2^2y_4y_5-x_4x_5y_2^2-y_2^2y_4y_5)+y_3(-x_2^2x_4y_5+x_2^2x_5y_4+$$
$$x_4y_2^2y_5-x_5y_2^2y_4))+a^r_{0,0,3,0,0,0,0,0,0,1}x_2(x_2^2-3y_2^2)(x_5^2+y_5^2)+a^r_{0,0,3,0,0,0,0,1,0,0}x_2(x_2^2-$$
$$3y_2^2)(x_4^2+y_4^2)+a^r_{0,0,3,0,0,1,0,0,0,0}x_2(x_2^2-3y_2^2)(x_3^2+y_3^2)+a^r_{0,0,3,1,0,0,0,0,0,0}x_2(x_2^2-3y_2^2)(x_2^2+$$
$$y_2^2)+a^r_{0,1,0,0,1,0,1,0,-1,0}(x_1^2+y_1^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4))+a^r_{0,1,1,0,-2,0,0,0,0,0}(x_1^2+$$
$$y_1^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,1,1,0,0,0,-2,0,0,0}(x_1^2+y_1^2)(x_2(x_4^2-y_4^2)+2x_4y_2y_4)+$$
$$a^r_{0,1,1,0,0,0,0,0,2,0}(x_1^2+y_1^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,1,3,0,0,0,0,0,0,0}x_2(x_1^2+y_1^2)(x_2^2-3y_2^2)+$$
$$a^r_{1,0,-1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5+x_2x_4y_3y_5-x_2x_5y_3y_4+x_3x_4y_2y_5-x_3x_5y_2y_4-$$
$$x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(-x_2x_3x_4y_5+x_2x_3x_5y_4+x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2+$$
$$x_3y_2y_4y_5+x_4y_2y_3y_5-x_5y_2y_3y_4))+a^r_{1,0,-1,0,1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5+x_2x_4y_3y_5-$$
$$x_2x_5y_3y_4-x_3x_4y_2y_5+x_3x_5y_2y_4+x_4x_5y_2y_3+y_2y_3y_4y_5)+y_1(x_2x_3x_4y_5-x_2x_3x_5y_4-$$
$$x_2x_4x_5y_3-x_2y_3y_4y_5+x_3x_4x_5y_2+x_3y_2y_4y_5+x_4y_2y_3y_5-x_5y_2y_3y_4))+$$
$$a^r_{1,0,-2,0,0,0,0,0,-2,0}(x_1(x_2^2x_5^2-x_2^2y_5^2-4x_2x_5y_2y_5-x_5^2y_2^2+y_2^2y_5^2)+y_1(2x_2^2x_5y_5+$$
$$2x_2x_5^2y_2-2x_2y_2y_5^2-2x_5y_2^2y_5))+a^r_{1,0,-2,0,0,0,2,0,0,0}(x_1(x_2^2x_4^2-x_2^2y_4^2+4x_2x_4y_2y_4-$$
$$x_4^2y_2^2+y_2^2y_4^2)+y_1(-2x_2^2x_4y_4+2x_2x_4^2y_2-2x_2y_2y_4^2+2x_4y_2^2y_4))+$$
$$a^r_{1,0,-2,0,2,0,0,0,0,0}(x_1(x_2^2x_3^2-x_2^2y_3^2+4x_2x_3y_2y_3-x_3^2y_2^2+y_2^2y_3^2)+y_1(-2x_2^2x_3y_3+$$
$$2x_2x_3^2y_2-2x_2y_2y_3^2+2x_3y_2^2y_3))+a^r_{1,0,-4,0,0,0,0,0,0,0}(x_1(x_2^4-6x_2^2y_2^2+y_2^4)+y_1(4x_2^3y_2-$$
$$4x_2y_2^3))+a^r_{1,0,0,0,-2,0,0,0,0,1}(x_5^2+y_5^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+a^r_{1,0,0,0,-2,0,0,1,0,0}(x_4^2+$$
$$y_4^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+a^r_{1,0,0,0,-2,1,0,0,0,0}(x_3^2+y_3^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+$$
$$a^r_{1,0,0,0,0,0,-2,0,0,1}(x_5^2+y_5^2)(x_1(x_4^2-y_4^2)+2x_4y_1y_4)+a^r_{1,0,0,0,0,0,-2,1,0,0}(x_4^2+y_4^2)(x_1(x_4^2-y_4^2)+$$
$$2x_4y_1y_4)+a^r_{1,0,0,0,0,0,0,0,-4,0}(x_1(x_5^4-6x_5^2y_5^2+y_5^4)+y_1(4x_5^3y_5-4x_5y_5^3))+a^r_{1,0,0,0,0,0,0,0,2,1}(x_5^2+$$
$$y_5^2)(x_1(x_5^2-y_5^2)-2x_5y_1y_5)+a^r_{1,0,0,0,0,0,0,0,1,2,0}(x_4^2+y_4^2)(x_1(x_5^2-y_5^2)-2x_5y_1y_5)+$$

$$a^r_{1,0,0,0,0,0,0,2,0,-2,0}(x_1(x_4^2x_5^2 - x_4^2y_5^2 + 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_1(2x_4^2x_5y_5 -$$
$$2x_4x_5^2y_4 + 2x_4y_4y_5^2 - 2x_5y_4^2y_5)) + a^r_{1,0,0,0,0,0,0,4,0,0,0}(x_1(x_4^4 - 6x_4^2y_4^2 + y_4^4) + y_1(-4x_4^3y_4 +$$
$$4x_4y_4^3)) + a^r_{1,0,0,0,0,0,1,-2,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_4^2 - y_4^2) + 2x_4y_1y_4) + a^r_{1,0,0,0,0,0,1,0,0,0,2,0}(x_3^2 +$$
$$y_3^2)(x_1(x_5^2 - y_5^2) - 2x_5y_1y_5) + a^r_{1,0,0,0,0,2,0,0,0,0,-2,0}(x_1(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 +$$
$$y_3^2y_5^2) + y_1(2x_3^2x_5y_5 - 2x_3x_5^2y_3 + 2x_3y_3y_5^2 - 2x_5y_3^2y_5)) + a^r_{1,0,0,0,0,2,0,2,0,0,0,0}(x_1(x_3^2x_4^2 -$$
$$x_3^2y_4^2 - 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_1(-2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 +$$
$$2x_4y_3^2y_4)) + a^r_{1,0,0,0,0,4,0,0,0,0,0,0}(x_1(x_3^4 - 6x_3^2y_3^2 + y_3^4) + y_1(-4x_3^3y_3 + 4x_3y_3^3)) +$$
$$a^r_{1,0,0,1,-2,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3^2 - y_3^2) + 2x_3y_1y_3) + a^r_{1,0,0,1,0,0,-2,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_4^2 - y_4^2) +$$
$$2x_4y_1y_4) + a^r_{1,0,0,1,0,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1(x_5^2 - y_5^2) - 2x_5y_1y_5) + a^r_{1,0,1,0,-1,0,-1,0,-1,0}(x_1(x_2x_3x_4x_5 -$$
$$x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) +$$
$$y_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 +$$
$$x_5y_2y_3y_4)) + a^r_{1,0,1,0,-1,0,1,0,1,0}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 -$$
$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 -$$
$$x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4)) + a^r_{1,0,1,0,1,0,1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 -$$
$$x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 +$$
$$x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)) +$$
$$a^r_{1,0,2,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{1,0,2,0,0,0,0,1,0,0,0}(x_4^2 + y_4^2)(x_1(x_2^2 - y_2^2) -$$
$$2x_2y_1y_2) + a^r_{1,0,2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{1,0,2,1,0,0,0,0,0,0}(x_2^2 +$$
$$y_2^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{1,1,0,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) + 2x_3y_1y_3) +$$
$$a^r_{1,1,0,0,0,0,-2,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_4^2 - y_4^2) + 2x_4y_1y_4) + a^r_{1,1,0,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_1(x_5^2 - y_5^2) -$$
$$2x_5y_1y_5) + a^r_{1,1,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{2,0,-1,0,-2,0,0,0,0,0}(x_1(4x_2x_3y_1y_3 +$$
$$2x_3^2y_1y_2 - 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(-2x_1^2x_3y_3 +$$
$$2x_3y_1^2y_3)) + a^r_{2,0,-1,0,0,0,-2,0,0,0}(x_1(4x_2x_4y_1y_4 + 2x_4^2y_1y_2 - 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 -$$
$$x_4^2y_1^2 + y_1^2y_4^2) + y_2(-2x_1^2x_4y_4 + 2x_4y_1^2y_4)) + a^r_{2,0,-1,0,0,0,0,0,2,0}(x_1(-4x_2x_5y_1y_5 +$$
$$2x_5^2y_1y_2 - 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(2x_1^2x_5y_5 -$$
$$2x_5y_1^2y_5)) + a^r_{2,0,0,0,0,-1,0,-1,0,-1,0}(x_1(2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$$
$$x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 - x_1^2x_5y_4 + x_4y_1^2y_5 +$$
$$x_5y_1^2y_4)) + a^r_{2,0,0,0,0,-1,0,1,0,1,0}(x_1(-2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$$
$$x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 -$$
$$x_5y_1^2y_4)) + a^r_{2,0,0,0,0,1,0,-1,0,1,0}(x_1(-2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$$
$$x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 + x_1^2x_5y_4 + x_4y_1^2y_5 -$$
$$x_5y_1^2y_4)) + a^r_{2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(-$$
$$2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) +$$
$$a^r_{2,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{2,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(-2x_1y_1y_2 +$$
$$x_2(x_1^2 - y_1^2)) + a^r_{3,0,0,0,0,0,0,0,0,1}x_1(x_1^2 - 3y_1^2)(x_5^2 + y_5^2) + a^r_{3,0,0,0,0,0,0,1,0,0}x_1(x_1^2 - 3y_1^2)(x_4^2 +$$
$$y_4^2) + a^r_{3,0,0,0,0,1,0,0,0,0}x_1(x_1^2 - 3y_1^2)(x_3^2 + y_3^2) + a^r_{3,0,0,1,0,0,0,0,0,0}x_1(x_1^2 - 3y_1^2)(x_2^2 + y_2^2) +$$
$$a^r_{3,1,0,0,0,0,0,0,0,0}x_1(x_1^2 - 3y_1^2)(x_1^2 + y_1^2) + a^r_{4,0,-1,0,0,0,0,0,0,0}(4x_1^3y_1y_2 - 4x_1y_1^3y_2 + x_2(x_1^4 -$$
$$6x_1^2y_1^2 + y_1^4))$$

$$H^{(5)}_{--} = a^r_{0,0,0,0,0,1,0,-1,0,-3,0}(x_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3) + y_3(3x_4x_5^2y_5 - x_4y_5^3 + x_5^3y_4 -$$
$$3x_5y_4y_5^2)) + a^r_{0,0,0,0,0,1,0,-1,0,3,0}(x_3(x_4x_5^3 - 3x_4x_5y_5^2 + 3x_5^2y_4y_5 - y_4y_5^3) + y_3(-3x_4x_5^2y_5 +$$
$$x_4y_5^3 + x_5^3y_4 - 3x_5y_4y_5^2)) + a^r_{0,0,0,0,0,1,0,-3,0,1,0}(x_3(x_4^3x_5 + 3x_4^2y_4y_5 - 3x_4x_5y_4^2 - y_4^3y_5) + y_3(-$$

$$x_4^3y_5 + 3x_4^2x_5y_4 + 3x_4y_4^2y_5 - x_5y_4^3)) + a_{0,0,0,0,0,1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4x_5 + y_4y_5) +$$

$$y_3(x_4y_5 - x_5y_4)) + a_{0,0,0,0,1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_3(x_4x_5 + y_4y_5) + y_3(x_4y_5 - x_5y_4)) +$$

$$a_{0,0,0,0,1,0,3,0,1,0}^r(x_3(x_4^3x_5 - 3x_4^2y_4y_5 - 3x_4x_5y_4^2 + y_4^3y_5) + y_3(-x_4^3y_5 - 3x_4^2x_5y_4 +$$

$$3x_4y_4^2y_5 + x_5y_4^3) + a_{0,0,0,0,1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_3(x_4x_5 + y_4y_5) + y_3(x_4y_5 - x_5y_4)) +$$

$$a_{0,0,0,0,3,0,-1,0,-1,0}^r(x_3(-3x_4x_5y_3^2 + 3y_3^2y_4y_5) + x_4(x_3^3x_5 - y_3^3y_5) + y_3(3x_3^2x_4y_5 + 3x_3^2x_5y_4) +$$

$$y_4(-x_3^3y_5 - x_5y_3^3)) + a_{0,0,0,0,3,0,1,0,1,0}^r(x_3(-3x_4x_5y_3^2 + 3y_3^2y_4y_5) + x_4(x_3^3x_5 + y_3^3y_5) + y_3(-$$

$$3x_3^2x_4y_5 - 3x_3^2x_5y_4) + y_4(-x_3^3y_5 + x_5y_3^3)) + a_{0,0,0,1,1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_3(x_4x_5 + y_4y_5) +$$

$$y_3(x_4y_5 - x_5y_4)) + a_{0,0,1,0,-2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_2(x_3^2 - y_3^2) + 2x_3y_2y_3) + a_{0,0,1,0,-2,0,0,1,0,0}^r(x_4^2 +$$

$$y_4^2)(x_2(x_3^2 - y_3^2) + 2x_3y_2y_3) + a_{0,0,1,0,-2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_2(x_3^2 - y_3^2) + 2x_3y_2y_3) +$$

$$a_{0,0,1,0,0,0,-2,0,0,1}^r(x_5^2 + y_5^2)(x_2(x_4^2 - y_4^2) + 2x_4y_2y_4) + a_{0,0,1,0,0,0,-2,1,0,0}^r(x_4^2 + y_4^2)(x_2(x_4^2 - y_4^2) +$$

$$2x_4y_2y_4) + a_{0,0,1,0,0,0,0,0,-4,0}^r(x_2(x_5^4 - 6x_5^2y_5^2 + y_5^4) + y_2(4x_5^3y_5 - 4x_5y_5^3)) + a_{0,0,1,0,0,0,0,0,2,1}^r(x_5^2 +$$

$$y_5^2)(x_2(x_5^2 - y_5^2) - 2x_5y_2y_5) + a_{0,0,1,0,0,0,0,1,2,0}^r(x_4^2 + y_4^2)(x_2(x_5^2 - y_5^2) - 2x_5y_2y_5) +$$

$$a_{0,0,1,0,0,0,2,0,-2,0}^r(x_2(x_4^2x_5^2 - x_4^2y_5^2 + 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_2(2x_4^2x_5y_5 -$$

$$2x_4x_5^2y_4 + 2x_4y_4y_5^2 - 2x_5y_4^2y_5)) + a_{0,0,1,0,0,0,4,0,0,0}^r(x_2(x_4^4 - 6x_4^2y_4^2 + y_4^4) + y_2(-4x_4^3y_4 +$$

$$4x_4y_4^3)) + a_{0,0,1,0,0,1,-2,0,0,0}^r(x_3^2 + y_3^2)(x_2(x_4^2 - y_4^2) + 2x_4y_2y_4) + a_{0,0,1,0,0,1,0,0,2,0}^r(x_3^2 +$$

$$y_3^2)(x_2(x_5^2 - y_5^2) - 2x_5y_2y_5) + a_{0,0,1,0,2,0,0,0,-2,0}^r(x_2(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 +$$

$$y_3^2y_5^2) + y_2(2x_3^2x_5y_5 - 2x_3x_5^2y_3 + 2x_3y_3y_5^2 - 2x_5y_3^2y_5)) + a_{0,0,1,0,2,0,2,0,0,0}^r(x_2(x_3^2x_4^2 -$$

$$x_3^2y_4^2 - 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_2(-2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 +$$

$$2x_4y_3^2y_4)) + a_{0,0,1,0,4,0,0,0,0,0}^r(x_2(x_3^4 - 6x_3^2y_3^2 + y_3^4) + y_2(-4x_3^3y_3 + 4x_3y_3^3)) +$$

$$a_{0,0,1,1,-2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_2(x_3^2 - y_3^2) + 2x_3y_2y_3) + a_{0,0,1,1,0,0,-2,0,0,0}^r(x_2^2 + y_2^2)(x_2(x_4^2 - y_4^2) +$$

$$2x_4y_2y_4) + a_{0,0,1,1,0,0,0,0,2,0}^r(x_2^2 + y_2^2)(x_2(x_5^2 - y_5^2) - 2x_5y_2y_5) + a_{0,0,2,0,-1,0,-1,0,-1,0}^r(x_2(2x_3x_4y_2y_5 +$$

$$2x_3x_5y_2y_4 + 2x_4x_5y_2y_3 - 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(-$$

$$x_2^2x_4y_5 - x_2^2x_5y_4 + x_4y_2^2y_5 + x_5y_2^2y_4)) + a_{0,0,2,0,-1,0,1,0,1,0}^r(x_2(-2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 +$$

$$2x_4x_5y_2y_3 - 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(x_2^2x_4y_5 +$$

$$x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4)) + a_{0,0,2,0,1,0,-1,0,1,0}^r(x_2(-2x_3x_4y_2y_5 + 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 -$$

$$2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(-x_2^2x_4y_5 + x_2^2x_5y_4 +$$

$$x_4y_2^2y_5 - x_5y_2^2y_4)) + a_{0,0,3,0,0,0,0,0,0,1}^r x_2(x_2^2 - 3y_2^2)(x_5^2 + y_5^2) + a_{0,0,3,0,0,0,0,1,0,0}^r x_2(x_2^2 -$$

$$3y_2^2)(x_4^2 + y_4^2) + a_{0,0,3,0,0,1,0,0,0,0}^r x_2(x_2^2 - 3y_2^2)(x_3^2 + y_3^2) + a_{0,0,3,1,0,0,0,0,0,0}^r x_2(x_2^2 - 3y_2^2)(x_2^2 +$$

$$y_2^2) + a_{0,1,0,0,1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4x_5 + y_4y_5) + y_3(x_4y_5 - x_5y_4)) + a_{0,1,1,0,-2,0,0,0,0,0}^r(x_1^2 +$$

$$y_1^2)(x_2(x_3^2 - y_3^2) + 2x_3y_2y_3) + a_{0,1,1,0,0,0,-2,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_4^2 - y_4^2) + 2x_4y_2y_4) +$$

$$a_{0,1,1,0,0,0,0,0,2,0}^r(x_1^2 + y_1^2)(x_2(x_5^2 - y_5^2) - 2x_5y_2y_5) + a_{0,1,3,0,0,0,0,0,0,0}^r x_2(x_1^2 + y_1^2)(x_2^2 - 3y_2^2) +$$

$$a_{1,0,-1,0,-1,0,-1,0,1,0}^r(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 -$$

$$x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)) + a_{1,0,-1,0,1,0,1,0,-1,0}^r(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 -$$

$$x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)) +$$

$$a_{1,0,-2,0,0,0,0,0,-2,0}^r(x_1(x_2^2x_5^2 - x_2^2y_5^2 - 4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2) + y_1(2x_2^2x_5y_5 +$$

$$2x_2x_5^2y_2 - 2x_2y_2y_5^2 - 2x_5y_2^2y_5)) + a_{1,0,-2,0,0,0,2,0,0,0}^r(x_1(x_2^2x_4^2 - x_2^2y_4^2 + 4x_2x_4y_2y_4 -$$

$$x_4^2y_2^2 + y_2^2y_4^2) + y_1(-2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 + 2x_4y_2^2y_4)) +$$

$$a_{1,0,-2,0,2,0,0,0,0,0}^r(x_1(x_2^2x_3^2 - x_2^2y_3^2 + 4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2) + y_1(-2x_2^2x_3y_3 +$$

$$2x_2x_3^2y_2 - 2x_2y_2y_3^2 + 2x_3y_2^2y_3)) + a_{1,0,-4,0,0,0,0,0,0,0}^r(x_1(x_2^4 - 6x_2^2y_2^2 + y_2^4) + y_1(4x_2^3y_2 -$$

$$4x_2y_2^3)) + a_{1,0,0,0,0,-2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_3^2 - y_3^2) + 2x_3y_1y_3) + a_{1,0,0,0,0,-2,0,0,1,0,0}^r(x_4^2 +$$

$$y_4^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) + a_{1,0,0,0,0,-2,1,0,0,0,0}^r (x_3^2 + y_3^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) +$$

$$a_{1,0,0,0,0,0,-2,0,0,1}^r (x_5^2 + y_5^2)(x_1(x_4^2 - y_4^2) + 2x_4 y_1 y_4) + a_{1,0,0,0,0,0,-2,1,0,0}^r (x_4^2 + y_4^2)(x_1(x_4^2 - y_4^2) +$$

$$2x_4 y_1 y_4) + a_{1,0,0,0,0,0,0,0,-4,0}^r (x_1(x_5^4 - 6x_5^2 y_5^2 + y_5^4) + y_1(4x_5^3 y_5 - 4x_5 y_5^3)) + a_{1,0,0,0,0,0,0,0,2,1}^r (x_5^2 +$$

$$y_5^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a_{1,0,0,0,0,0,0,1,2,0}^r (x_4^2 + y_4^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) +$$

$$a_{1,0,0,0,0,0,2,0,-2,0}^r (x_1(x_4^2 x_5^2 - x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(2x_4^2 x_5 y_5 -$$

$$2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5)) + a_{1,0,0,0,0,0,4,0,0,0}^r (x_1(x_4^4 - 6x_4^2 y_4^2 + y_4^4) + y_1(-4x_4^3 y_4 +$$

$$4x_4 y_4^3)) + a_{1,0,0,0,0,1,-2,0,0,0}^r (x_3^2 + y_3^2)(x_1(x_4^2 - y_4^2) + 2x_4 y_1 y_4) + a_{1,0,0,0,0,1,0,0,2,0}^r (x_3^2 +$$

$$y_3^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a_{1,0,0,0,2,0,0,0,-2,0}^r (x_1(x_3^2 x_5^2 - x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 +$$

$$y_3^2 y_5^2) + y_1(2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5)) + a_{1,0,0,0,2,0,2,0,0,0}^r (x_1(x_3^2 x_4^2 -$$

$$x_3^2 y_4^2 - 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(-2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 +$$

$$2x_4 y_3^2 y_4)) + a_{1,0,0,0,4,0,0,0,0,0}^r (x_1(x_3^4 - 6x_3^2 y_3^2 + y_3^4) + y_1(-4x_3^3 y_3 + 4x_3 y_3^3)) +$$

$$a_{1,0,0,1,-2,0,0,0,0,0}^r (x_2^2 + y_2^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) + a_{1,0,0,1,0,0,-2,0,0,0}^r (x_2^2 + y_2^2)(x_1(x_4^2 - y_4^2) +$$

$$2x_4 y_1 y_4) + a_{1,0,0,1,0,0,0,0,2,0}^r (x_2^2 + y_2^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a_{1,0,1,0,-1,0,-1,0,-1,0}^r (x_1(x_2 x_3 x_4 x_5 -$$

$$x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) +$$

$$y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 +$$

$$x_5 y_2 y_3 y_4)) + a_{1,0,1,0,-1,0,1,0,1,0}^r (x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 -$$

$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 -$$

$$x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) + a_{1,0,1,0,1,0,-1,0,1,0}^r (x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 -$$

$$x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 +$$

$$x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) +$$

$$a_{1,0,2,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(x_1(x_2^2 - y_2^2) - 2x_2 y_1 y_2) + a_{1,0,2,0,0,0,0,1,0,0}^r (x_4^2 + y_4^2)(x_1(x_2^2 - y_2^2) -$$

$$2x_2 y_1 y_2) + a_{1,0,2,0,0,1,0,0,0,0}^r (x_3^2 + y_3^2)(x_1(x_2^2 - y_2^2) - 2x_2 y_1 y_2) + a_{1,0,2,1,0,0,0,0,0,0}^r (x_2^2 +$$

$$y_2^2)(x_1(x_2^2 - y_2^2) - 2x_2 y_1 y_2) + a_{1,1,0,0,-2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) +$$

$$a_{1,1,0,0,0,0,-2,0,0,0}^r (x_1^2 + y_1^2)(x_1(x_4^2 - y_4^2) + 2x_4 y_1 y_4) + a_{1,1,0,0,0,0,0,0,2,0}^r (x_1^2 + y_1^2)(x_1(x_5^2 - y_5^2) -$$

$$2x_5 y_1 y_5) + a_{1,1,2,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1(x_2^2 - y_2^2) - 2x_2 y_1 y_2) + a_{2,0,-1,0,-2,0,0,0,0,0}^r (x_1(4x_2 x_3 y_1 y_3 +$$

$$2x_3^2 y_1 y_2 - 2y_1 y_2 y_3^2) + x_2(x_1^2 x_3^2 - x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2) + y_2(-2x_1^2 x_3 y_3 +$$

$$2x_3 y_1^2 y_3)) + a_{2,0,-1,0,0,0,-2,0,0,0}^r (x_1(4x_2 x_4 y_1 y_4 + 2x_4^2 y_1 y_2 - 2y_1 y_2 y_4^2) + x_2(x_1^2 x_4^2 - x_1^2 y_4^2 -$$

$$x_4^2 y_1^2 + y_1^2 y_4^2) + y_2(-2x_1^2 x_4 y_4 + 2x_4 y_1^2 y_4)) + a_{2,0,-1,0,0,0,0,0,2,0}^r (x_1(-4x_2 x_5 y_1 y_5 +$$

$$2x_5^2 y_1 y_2 - 2y_1 y_2 y_5^2) + x_2(x_1^2 x_5^2 - x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2) + y_2(2x_1^2 x_5 y_5 -$$

$$2x_5 y_1^2 y_5)) + a_{2,0,0,0,-1,0,-1,0,-1,0}^r (x_1(2x_3 x_4 y_1 y_5 + 2x_3 x_5 y_1 y_4 + 2x_4 x_5 y_1 y_3 - 2y_1 y_3 y_4 y_5) +$$

$$x_3(x_1^2 x_4 x_5 - x_1^2 y_4 y_5 - x_4 x_5 y_1^2 + y_1^2 y_4 y_5) + y_3(-x_1^2 x_4 y_5 - x_1^2 x_5 y_4 + x_4 y_1^2 y_5 +$$

$$x_5 y_1^2 y_4)) + a_{2,0,0,0,-1,0,1,0,1,0}^r (x_1(-2x_3 x_4 y_1 y_5 - 2x_3 x_5 y_1 y_4 + 2x_4 x_5 y_1 y_3 - 2y_1 y_3 y_4 y_5) +$$

$$x_3(x_1^2 x_4 x_5 - x_1^2 y_4 y_5 - x_4 x_5 y_1^2 + y_1^2 y_4 y_5) + y_3(x_1^2 x_4 y_5 + x_1^2 x_5 y_4 - x_4 y_1^2 y_5 -$$

$$x_5 y_1^2 y_4)) + a_{2,0,0,0,1,0,-1,0,1,0}^r (x_1(-2x_3 x_4 y_1 y_5 + 2x_3 x_5 y_1 y_4 - 2x_4 x_5 y_1 y_3 - 2y_1 y_3 y_4 y_5) +$$

$$x_3(x_1^2 x_4 x_5 + x_1^2 y_4 y_5 - x_4 x_5 y_1^2 - y_1^2 y_4 y_5) + y_3(-x_1^2 x_4 y_5 + x_1^2 x_5 y_4 + x_4 y_1^2 y_5 -$$

$$x_5 y_1^2 y_4)) + a_{2,0,1,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{2,0,1,0,0,0,0,1,0,0}^r (x_4^2 + y_4^2)(-$$

$$2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{2,0,1,0,0,1,0,0,0,0}^r (x_3^2 + y_3^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) +$$

$$a_{2,0,1,1,0,0,0,0,0,0}^r (x_2^2 + y_2^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{2,1,1,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(-2x_1 y_1 y_2 +$$

$$x_2(x_1^2 - y_1^2)) + a_{3,0,0,0,0,0,0,0,0,1}^r x_1(x_1^2 - 3y_1^2)(x_5^2 + y_5^2) + a_{3,0,0,0,0,0,0,1,0,0}^r x_1(x_1^2 - 3y_1^2)(x_4^2 +$$

$$y_4^2) + a_{3,0,0,0,0,1,0,0,0,0}^r x_1(x_1^2 - 3y_1^2)(x_3^2 + y_3^2) + a_{3,0,0,1,0,0,0,0,0,0}^r x_1(x_1^2 - 3y_1^2)(x_2^2 + y_2^2) +$$

$$a_{3,1,0,0,0,0,0,0,0,0}^r x_1(x_1^2 - 3y_1^2)(x_1^2 + y_1^2) + a_{4,0,-1,0,0,0,0,0,0,0}^r (4x_1^3 y_1 y_2 - 4x_1 y_1^3 y_2 + x_2(x_1^4 -$$

$$6x_1^2 y_1^2 + y_1^4))$$

$$
\begin{aligned}
H_{+-}^{(5)} =\ & b_{-1,0,-1,0,-1,0,-1,0,-1,0}^{r}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 - \\
& x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 + \\
& x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)) - ib_{-1,0,-1,0,-1,0,-1,0,-1,0}^{r}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + \\
& x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - \\
& x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) + \\
& b_{-1,0,-1,0,-1,0,1,0,1,0}^{r}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 - \\
& x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 + \\
& x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4)) + ib_{-1,0,-1,0,-1,0,1,0,1,0}^{r}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - \\
& x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + \\
& x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) + \\
& b_{-1,0,-1,0,1,0,-1,0,1,0}^{r}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 + \\
& x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 - \\
& x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)) + ib_{-1,0,-1,0,1,0,-1,0,1,0}^{r}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + \\
& x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - \\
& x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5)) - \\
& ib_{-1,0,-2,0,-2,0,0,0,0,0}^{r}(x_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 - 2x_3y_2^2y_3) + y_1(x_2^2x_3^2 - x_2^2y_3^2 - \\
& 4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2)) + b_{-1,0,-2,0,-2,0,0,0,0,0}^{r}(x_1(x_2^2x_3^2 - x_2^2y_3^2 - 4x_2x_3y_2y_3 - \\
& x_3^2y_2^2 + y_2^2y_3^2) + y_1(-2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 + 2x_3y_2^2y_3)) - \\
& ib_{-1,0,-2,0,0,0,-2,0,0,0}^{r}(x_1(2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(x_2^2x_4^2 - x_2^2y_4^2 - \\
& 4x_2x_4y_2y_4 - x_4^2y_2^2 + y_2^2y_4^2)) + b_{-1,0,-2,0,0,0,-2,0,0,0}^{r}(x_1(x_2^2x_4^2 - x_2^2y_4^2 - 4x_2x_4y_2y_4 - \\
& x_4^2y_2^2 + y_2^2y_4^2) + y_1(-2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 + 2x_4y_2^2y_4)) + \\
& ib_{-1,0,-2,0,0,0,0,0,0,2,0}^{r}(x_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 - 2x_5y_2^2y_5) + y_1(-x_2^2x_5^2 + x_2^2y_5^2 - \\
& 4x_2x_5y_2y_5 + x_5^2y_2^2 - y_2^2y_5^2)) + b_{-1,0,-2,0,0,0,0,0,2,0}^{r}(x_1(x_2^2x_5^2 - x_2^2y_5^2 + 4x_2x_5y_2y_5 - \\
& x_5^2y_2^2 + y_2^2y_5^2) + y_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 - 2x_5y_2^2y_5)) - \\
& ib_{-1,0,0,0,-2,0,0,0,-2,0}^{r}(x_1(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_1(x_3^2x_5^2 - x_3^2y_5^2 - \\
& 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) + b_{-1,0,0,0,-2,0,0,0,-2,0}^{r}(x_1(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - \\
& x_5^2y_3^2 + y_3^2y_5^2) + y_1(-2x_3^2x_5y_5 - 2x_3x_5^2y_3 + 2x_3y_3y_5^2 + 2x_5y_3^2y_5)) + \\
& ib_{-1,0,0,0,-2,0,2,0,0,0}^{r}(x_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 - 2x_4y_3^2y_4) + y_1(-x_3^2x_4^2 + x_3^2y_4^2 - \\
& 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) + b_{-1,0,0,0,-2,0,2,0,0,0}^{r}(x_1(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - \\
& x_4^2y_3^2 + y_3^2y_4^2) + y_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 - 2x_4y_3^2y_4)) - \\
& ib_{-1,0,0,0,0,0,-2,0,-2,0}^{r}(x_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(x_4^2x_5^2 - x_4^2y_5^2 - \\
& 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b_{-1,0,0,0,0,0,-2,0,-2,0}^{r}(x_1(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - \\
& x_5^2y_4^2 + y_4^2y_5^2) + y_1(-2x_4^2x_5y_5 - 2x_4x_5^2y_4 + 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) + \\
& b_{-1,0,0,0,0,0,0,0,0,2}^{r}x_1(x_5^2 + y_5^2)^2 - ib_{-1,0,0,0,0,0,0,0,0,2}^{r}y_1(x_5^2 + y_5^2)^2 + b_{-1,0,0,0,0,0,0,1,0,1}^{r}x_1(x_4^2 + \\
& y_4^2)(x_5^2 + y_5^2) - ib_{-1,0,0,0,0,0,0,1,0,1}^{r}y_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) + b_{-1,0,0,0,0,0,0,2,0,0}^{r}x_1(x_4^2 + y_4^2)^2 - \\
& ib_{-1,0,0,0,0,0,0,2,0,0}^{r}y_1(x_4^2 + y_4^2)^2 + ib_{-1,0,0,0,0,0,0,2,0,2,0}^{r}(x_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - \\
& 2x_5y_4^2y_5) + y_1(-x_4^2x_5^2 + x_4^2y_5^2 + 4x_4x_5y_4y_5 + x_5^2y_4^2 - y_4^2y_5^2)) + \\
& b_{-1,0,0,0,0,0,2,0,2,0}^{r}(x_1(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_1(2x_4^2x_5y_5 + \\
& 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5)) + b_{-1,0,0,0,0,1,0,0,0,1}^{r}x_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) - \\
& ib_{-1,0,0,0,0,1,0,0,0,1}^{r}y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{-1,0,0,0,0,1,0,1,0,0}^{r}x_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) - \\
& ib_{-1,0,0,0,0,1,0,1,0,0}^{r}y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{-1,0,0,0,0,2,0,0,0,0}^{r}x_1(x_3^2 + y_3^2)^2 - \\
& ib_{-1,0,0,0,0,2,0,0,0,0}^{r}y_1(x_3^2 + y_3^2)^2 - ib_{-1,0,0,0,0,2,0,-2,0,0,0}^{r}(x_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -
\end{aligned}
$$

$$2x_4 y_3^2 y_4) + y_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2)) +$$

$$b_{-1,0,0,0,2,0,-2,0,0,0}^r(x_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(-2x_3^2 x_4 y_4 +$$

$$2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 + 2x_4 y_3^2 y_4)) + ib_{-1,0,0,0,2,0,0,0,2,0}^r(x_1(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 -$$

$$2x_5 y_3^2 y_5) + y_1(-x_3^2 x_5^2 + x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 + x_5^2 y_3^2 - y_3^2 y_5^2)) +$$

$$b_{-1,0,0,0,2,0,0,0,2,0}^r(x_1(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(2x_3^2 x_5 y_5 +$$

$$2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5)) + b_{-1,0,0,1,0,0,0,0,0,1}^r x_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) -$$

$$ib_{-1,0,0,1,0,0,0,0,0,1}^r y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{-1,0,0,1,0,0,0,1,0,0}^r x_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) -$$

$$ib_{-1,0,0,1,0,0,0,1,0,0}^r y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{-1,0,0,1,0,1,0,0,0,0}^r x_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) -$$

$$ib_{-1,0,0,1,0,1,0,0,0,0}^r y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{-1,0,0,2,0,0,0,0,0,0}^r x_1(x_2^2 + y_2^2)^2 -$$

$$ib_{-1,0,0,2,0,0,0,0,0,0}^r y_1(x_2^2 + y_2^2)^2 + b_{-1,0,1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 +$$

$$x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 -$$

$$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) -$$

$$ib_{-1,0,1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 +$$

$$x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 -$$

$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) + b_{-1,0,1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 +$$

$$x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) -$$

$$ib_{-1,0,1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 -$$

$$x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 +$$

$$x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) + b_{-1,0,1,0,1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 -$$

$$x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) +$$

$$ib_{-1,0,1,0,1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 -$$

$$x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(-x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 +$$

$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5)) - ib_{-1,0,2,0,0,0,0,0,-2,0}^r(x_1(2x_2^2 x_5 y_5 - 2x_2 x_5^2 y_2 + 2x_2 y_2 y_5^2 -$$

$$2x_5 y_2^2 y_5) + y_1(x_2^2 x_5^2 - x_2^2 y_5^2 + 4x_2 x_5 y_2 y_5 - x_5^2 y_2^2 + y_2^2 y_5^2)) +$$

$$b_{-1,0,2,0,0,0,0,0,-2,0}^r(x_1(x_2^2 x_5^2 - x_2^2 y_5^2 + 4x_2 x_5 y_2 y_5 - x_5^2 y_2^2 + y_2^2 y_5^2) + y_1(-2x_2^2 x_5 y_5 +$$

$$2x_2 x_5^2 y_2 - 2x_2 y_2 y_5^2 + 2x_5 y_2^2 y_5)) + ib_{-1,0,2,0,0,0,2,0,0,0}^r(x_1(2x_2^2 x_4 y_4 + 2x_2 x_4^2 y_2 - 2x_2 y_2 y_4^2 -$$

$$2x_4 y_2^2 y_4) + y_1(-x_2^2 x_4^2 + x_2^2 y_4^2 + 4x_2 x_4 y_2 y_4 + x_4^2 y_2^2 - y_2^2 y_4^2)) +$$

$$b_{-1,0,2,0,0,0,2,0,0,0}^r(x_1(x_2^2 x_4^2 - x_2^2 y_4^2 - 4x_2 x_4 y_2 y_4 - x_4^2 y_2^2 + y_2^2 y_4^2) + y_1(2x_2^2 x_4 y_4 +$$

$$2x_2 x_4^2 y_2 - 2x_2 y_2 y_4^2 - 2x_4 y_2^2 y_4)) + ib_{-1,0,2,0,2,0,0,0,0,0}^r(x_1(2x_2^2 x_3 y_3 + 2x_2 x_3^2 y_2 - 2x_2 y_2 y_3^2 -$$

$$2x_3 y_2^2 y_3) + y_1(-x_2^2 x_3^2 + x_2^2 y_3^2 + 4x_2 x_3 y_2 y_3 + x_3^2 y_2^2 - y_2^2 y_3^2)) +$$

$$b_{-1,0,2,0,2,0,0,0,0,0}^r(x_1(x_2^2 x_3^2 - x_2^2 y_3^2 - 4x_2 x_3 y_2 y_3 - x_3^2 y_2^2 + y_2^2 y_3^2) + y_1(2x_2^2 x_3 y_3 +$$

$$2x_2 x_3^2 y_2 - 2x_2 y_2 y_3^2 - 2x_3 y_2^2 y_3)) + b_{-1,1,0,0,0,0,0,0,0,1}^r x_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) -$$

$$ib_{-1,1,0,0,0,0,0,0,0,1}^r y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b_{-1,1,0,0,0,0,0,1,0,0}^r x_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) -$$

$$ib_{-1,1,0,0,0,0,0,1,0,0}^r y_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b_{-1,1,0,0,0,1,0,0,0,0}^r x_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) -$$

$$ib_{-1,1,0,0,0,1,0,0,0,0}^r y_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) + b_{-1,1,0,1,0,0,0,0,0,0}^r x_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) -$$

$$ib_{-1,1,0,1,0,0,0,0,0,0}^r y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{-1,2,0,0,0,0,0,0,0,0}^r x_1(x_1^2 + y_1^2)^2 -$$

$$ib_{-1,2,0,0,0,0,0,0,0,0}^r y_1(x_1^2 + y_1^2)^2 - ib_{-2,0,-1,0,-2,0,0,0,0,0}^r(x_1(2x_2 x_3^2 y_1 - 2x_2 y_1 y_3^2 - 4x_3 y_1 y_2 y_3) +$$

$$x_2(2x_1^2 x_3 y_3 - 2x_3 y_1^2 y_3) + y_2(x_1^2 x_3^2 - x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2)) + b_{-2,0,-1,0,-2,0,0,0,0,0}^r(x_1(-$$

$$4x_2 x_3 y_1 y_3 - 2x_3^2 y_1 y_2 + 2y_1 y_2 y_3^2) + x_2(x_1^2 x_3^2 - x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2) + y_2(-$$

$$2x_1^2 x_3 y_3 + 2x_3 y_1^2 y_3)) - ib_{-2,0,-1,0,0,0,-2,0,0,0}^r(x_1(2x_2 x_4^2 y_1 - 2x_2 y_1 y_4^2 - 4x_4 y_1 y_2 y_4) +$$

$$x_2(2x_1^2 x_4 y_4 - 2x_4 y_1^2 y_4) + y_2(x_1^2 x_4^2 - x_1^2 y_4^2 - x_4^2 y_1^2 + y_1^2 y_4^2)) + b_{-2,0,-1,0,0,0,-2,0,0,0}^r(x_1(-$$

$$4x_2x_4y_1y_4 - 2x_4^2y_1y_2 + 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2) + y_2(-$$
$$2x_1^2x_4y_4 + 2x_4y_1^2y_4)) + ib^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 - 4x_5y_1y_2y_5)+$$
$$x_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5) + y_2(-x_1^2x_5^2 + x_1^2y_5^2 + x_5^2y_1^2 - y_1^2y_5^2))+$$
$$b^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(4x_2x_5y_1y_5 - 2x_5^2y_1y_2 + 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2+$$
$$y_1^2y_5^2) + y_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5)) - ib^r_{-2,0,0,0,-1,0,-1,0,-1,0}(x_1(2x_3x_4x_5y_1 - 2x_3y_1y_4y_5-$$
$$2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(x_1^2x_4x_5-$$
$$x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5)) + b^r_{-2,0,0,0,-1,0,-1,0,-1,0}(x_1(-2x_3x_4y_1y_5 - 2x_3x_5y_1y_4-$$
$$2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(-x_1^2x_4y_5-$$
$$x_1^2x_5y_4 + x_4y_1^2y_5 + x_5y_1^2y_4)) + ib^r_{-2,0,0,0,-1,0,1,0,1,0}(x_1(-2x_3x_4x_5y_1 + 2x_3y_1y_4y_5-$$
$$2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(-x_1^2x_4x_5+$$
$$x_1^2y_4y_5 + x_4x_5y_1^2 - y_1^2y_4y_5)) + b^r_{-2,0,0,0,-1,0,1,0,1,0}(x_1(2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3+$$
$$2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(x_1^2x_4y_5 + x_1^2x_5y_4-$$
$$x_4y_1^2y_5 - x_5y_1^2y_4)) + ib^r_{-2,0,0,0,1,0,-1,0,1,0}(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 + 2x_4y_1y_3y_5-$$
$$2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(x_1^2x_4x_5 + x_1^2y_4y_5-$$
$$x_4x_5y_1^2 - y_1^2y_4y_5)) + b^r_{-2,0,0,0,1,0,-1,0,1,0}(x_1(2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3+$$
$$2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 + x_1^2x_5y_4+$$
$$x_4y_1^2y_5 - x_5y_1^2y_4)) + ib^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2))+$$
$$b^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + ib^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(-2x_1x_2y_1+$$
$$y_2(x_1^2 - y_1^2)) + b^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + ib^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2+$$
$$y_3^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) + b^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2))+$$
$$ib^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) + b^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1y_1y_2+$$
$$x_2(x_1^2 - y_1^2)) + ib^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) + b^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2+$$
$$y_1^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + b^r_{-3,0,0,0,-2,0,0,0,0,0}(x_1^3x_3^2 - x_1^3y_3^2 - 6x_1^2x_3y_1y_3 + x_1(-$$
$$3x_3^2y_1^2 + 3y_1^2y_3^2) + 2x_3y_1^3y_3) - ib^r_{-3,0,0,0,-2,0,0,0,0,0}(2x_1^3x_3y_3 - 6x_1x_3y_1^2y_3 - x_3^2y_1^3+$$
$$y_1^3y_3^2 + y_1(3x_1^2x_3^2 - 3x_1^2y_3^2)) + b^r_{-3,0,0,0,0,0,-2,0,0,0}(x_1^3x_4^2 - x_1^3y_4^2 - 6x_1^2x_4y_1y_4 + x_1(-$$
$$3x_4^2y_1^2 + 3y_1^2y_4^2) + 2x_4y_1^3y_4) - ib^r_{-3,0,0,0,0,0,-2,0,0,0}(2x_1^3x_4y_4 - 6x_1x_4y_1^2y_4 - x_4^2y_1^3+$$
$$y_1^3y_4^2 + y_1(3x_1^2x_4^2 - 3x_1^2y_4^2)) + b^r_{-3,0,0,0,0,0,0,0,0,2,0}(x_1^3x_5^2 - x_1^3y_5^2 + 6x_1^2x_5y_1y_5 + x_1(-$$
$$3x_5^2y_1^2 + 3y_1^2y_5^2) - 2x_5y_1^3y_5) + ib^r_{-3,0,0,0,0,0,0,0,0,2,0}(2x_1^3x_5y_5 - 6x_1x_5y_1^2y_5 + x_5^2y_1^3-$$
$$y_1^3y_5^2 + y_1(-3x_1^2x_5^2 + 3x_1^2y_5^2)) + b^r_{-3,0,2,0,0,0,0,0,0,0}(x_1^3x_2^2 - x_1^3y_2^2 + 6x_1^2x_2y_1y_2 + x_1(-$$
$$3x_2^2y_1^2 + 3y_1^2y_2^2) - 2x_2y_1^3y_2) + ib^r_{-3,0,2,0,0,0,0,0,0,0}(2x_1^3x_2y_2 - 6x_1x_2y_1^2y_2 + x_2^2y_1^3-$$
$$y_1^3y_2^2 + y_1(-3x_1^2x_2^2 + 3x_1^2y_2^2)) - ib^r_{0,0,-1,0,-2,0,0,0,-2,0}(x_2(2x_3^2x_5y_5 + 2x_3x_5^2y_3-$$
$$2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_2(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2))+$$
$$b^r_{0,0,-1,0,-2,0,0,0,-2,0}(x_2(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_2(-2x_3^2x_5y_5-$$
$$2x_3x_5^2y_3 + 2x_3y_3y_5^2 + 2x_5y_3^2y_5)) + ib^r_{0,0,-1,0,-2,0,2,0,0,0}(x_2(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2-$$
$$2x_4y_3^2y_4) + y_2(-x_3^2x_4^2 + x_3^2y_4^2 - 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2))+$$
$$b^r_{0,0,-1,0,-2,0,2,0,0,0}(x_2(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_2(2x_3^2x_4y_4-$$
$$2x_3x_4^2y_3 + 2x_3y_3y_4^2 - 2x_4y_3^2y_4)) - ib^r_{0,0,-1,0,0,0,0,-2,0,-2,0}(x_2(2x_4^2x_5y_5 + 2x_4x_5^2y_4-$$
$$2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_2(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2))+$$
$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}(x_2(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_2(-2x_4^2x_5y_5-$$
$$2x_4x_5^2y_4 + 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) + b^r_{0,0,-1,0,0,0,0,0,0,2}x_2(x_5^2 + y_5^2)^2 - ib^r_{0,0,-1,0,0,0,0,0,0,2}y_2(x_5^2+$$
$$y_5^2)^2 + b^r_{0,0,-1,0,0,0,0,1,0,1}x_2(x_4^2 + y_4^2)(x_5^2 + y_5^2) - ib^r_{0,0,-1,0,0,0,0,1,0,1}y_2(x_4^2 + y_4^2)(x_5^2 + y_5^2)+$$
$$b^r_{0,0,-1,0,0,0,0,2,0,0}x_2(x_4^2 + y_4^2)^2 - ib^r_{0,0,-1,0,0,0,0,2,0,0}y_2(x_4^2 + y_4^2)^2 + ib^r_{0,0,-1,0,0,0,2,0,2,0}(x_2(2x_4^2x_5y_5+$$

$2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_2(-x_4^2x_5^2 + x_4^2y_5^2 + 4x_4x_5y_4y_5 + x_5^2y_4^2 -$

$y_4^2y_5^2)) + b_{0,0,-1,0,0,0,2,0,2,0}^r(x_2(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) +$

$y_2(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5)) + b_{0,0,-1,0,0,1,0,0,0,1}^r x_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) -$

$ib_{0,0,-1,0,0,1,0,0,0,1}^r y_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{0,0,-1,0,0,1,0,1,0,0}^r x_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) -$

$ib_{0,0,-1,0,0,1,0,1,0,0}^r y_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{0,0,-1,0,0,2,0,0,0,0}^r x_2(x_3^2 + y_3^2)^2 -$

$ib_{0,0,-1,0,0,2,0,0,0,0}^r y_2(x_3^2 + y_3^2)^2 - ib_{0,0,-1,0,2,0,-2,0,0,0}^r(x_2(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -$

$2x_4y_3^2y_4) + y_2(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2)) +$

$b_{0,0,-1,0,2,0,-2,0,0,0}^r(x_2(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_2(-2x_3^2x_4y_4 +$

$2x_3x_4^2y_3 - 2x_3y_3y_4^2 + 2x_4y_3^2y_4)) + ib_{0,0,-1,0,2,0,0,0,2,0}^r(x_2(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 -$

$2x_5y_3^2y_5) + y_2(-x_3^2x_5^2 + x_3^2y_5^2 + 4x_3x_5y_3y_5 + x_5^2y_3^2 - y_3^2y_5^2)) +$

$b_{0,0,-1,0,2,0,0,0,2,0}^r(x_2(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_2(2x_3^2x_5y_5 +$

$2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5)) + b_{0,0,-1,1,0,0,0,0,0,1}^r x_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) -$

$ib_{0,0,-1,1,0,0,0,0,0,1}^r y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{0,0,-1,1,0,0,0,1,0,0}^r x_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) -$

$ib_{0,0,-1,1,0,0,0,1,0,0}^r y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{0,0,-1,1,0,1,0,0,0,0}^r x_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) -$

$ib_{0,0,-1,1,0,1,0,0,0,0}^r y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{0,0,-1,2,0,0,0,0,0,0}^r x_2(x_2^2 + y_2^2)^2 -$

$ib_{0,0,-1,2,0,0,0,0,0,0}^r y_2(x_2^2 + y_2^2)^2 - ib_{0,0,-2,0,-1,0,-1,0,-1,0}^r(x_2(2x_3x_4x_5y_2 - 2x_3y_2y_4y_5 - 2x_4y_2y_3y_5 -$

$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 + x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4) + y_3(x_2^2x_4x_5 - x_2^2y_4y_5 -$

$x_4x_5y_2^2 + y_2^2y_4y_5)) + b_{0,0,-2,0,-1,0,-1,0,-1,0}^r(x_2(-2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 +$

$2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(-x_2^2x_4y_5 - x_2^2x_5y_4 +$

$x_4y_2^2y_5 + x_5y_2^2y_4)) + ib_{0,0,-2,0,-1,0,1,0,1,0}^r(x_2(-2x_3x_4x_5y_2 + 2x_3y_2y_4y_5 - 2x_4y_2y_3y_5 -$

$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 + x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4) + y_3(-x_2^2x_4x_5 + x_2^2y_4y_5 +$

$x_4x_5y_2^2 - y_2^2y_4y_5)) + b_{0,0,-2,0,-1,0,1,0,1,0}^r(x_2(2x_3x_4y_2y_5 + 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 +$

$2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(x_2^2x_4y_5 + x_2^2x_5y_4 -$

$x_4y_2^2y_5 - x_5y_2^2y_4)) + ib_{0,0,-2,0,1,0,-1,0,1,0}^r(x_2(-2x_3x_4x_5y_2 - 2x_3y_2y_4y_5 + 2x_4y_2y_3y_5 -$

$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 + x_5y_2^2y_4) + y_3(x_2^2x_4x_5 + x_2^2y_4y_5 -$

$x_4x_5y_2^2 - y_2^2y_4y_5)) + b_{0,0,-2,0,1,0,-1,0,1,0}^r(x_2(2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 + 2x_4x_5y_2y_3 +$

$2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(-x_2^2x_4y_5 + x_2^2x_5y_4 +$

$x_4y_2^2y_5 - x_5y_2^2y_4)) + b_{0,0,-3,0,-2,0,0,0,0,0}^r(x_2^3x_3^2 - x_2^3y_3^2 - 6x_2^2x_3y_2y_3 + x_2(-3x_3^2y_2^2 +$

$3y_2^2y_3^2) + 2x_3y_2^3y_3) - ib_{0,0,-3,0,-2,0,0,0,0,0}^r(2x_2^3x_3y_3 - 6x_2x_3y_2^2y_3 - x_3^2y_2^3 + y_2^3y_3^2 +$

$y_2(3x_2^2x_3^2 - 3x_2^2y_3^2)) + b_{0,0,-3,0,0,0,-2,0,0,0}^r(x_2^3x_4^2 - x_2^3y_4^2 - 6x_2^2x_4y_2y_4 + x_2(-3x_4^2y_2^2 +$

$3y_2^2y_4^2) + 2x_4y_2^3y_4) - ib_{0,0,-3,0,0,0,-2,0,0,0}^r(2x_2^3x_4y_4 - 6x_2x_4y_2^2y_4 - x_4^2y_2^3 + y_2^3y_4^2 +$

$y_2(3x_2^2x_4^2 - 3x_2^2y_4^2)) + b_{0,0,-3,0,0,0,0,0,2,0}^r(x_2^3x_5^2 - x_2^3y_5^2 + 6x_2^2x_5y_2y_5 + x_2(-3x_5^2y_2^2 +$

$3y_2^2y_5^2) - 2x_5y_2^3y_5) + ib_{0,0,-3,0,0,0,0,0,2,0}^r(2x_2^3x_5y_5 - 6x_2x_5y_2^2y_5 + x_5^2y_2^3 - y_2^3y_5^2 + y_2(-$

$3x_2^2x_5^2 + 3x_2^2y_5^2)) + b_{0,0,0,0,-1,0,-1,0,-3,0}^r(x_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3) + y_3(-$

$3x_4x_5^2y_5 + x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2)) - ib_{0,0,0,0,-1,0,-1,0,-3,0}^r(x_3(3x_4x_5^2y_5 - x_4y_5^3 + x_5^3y_4 -$

$3x_5y_4y_5^2) + y_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3)) + b_{0,0,0,0,-1,0,-1,0,3,0}^r(x_3(x_4x_5^3 -$

$3x_4x_5y_5^2 + 3x_5^2y_4y_5 - y_4y_5^3) + y_3(3x_4x_5^2y_5 - x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2)) +$

$ib_{0,0,0,0,-1,0,-1,0,3,0}^r(x_3(3x_4x_5^2y_5 - x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2) + y_3(-x_4x_5^3 + 3x_4x_5y_5^2 -$

$3x_5^2y_4y_5 + y_4y_5^3)) + b_{0,0,0,0,-1,0,-3,0,1,0}^r(x_3(x_4^3x_5 + 3x_4^2y_4y_5 - 3x_4x_5y_4^2 - y_4^3y_5) + y_3(x_4^3y_5 -$

$3x_4^2x_5y_4 - 3x_4y_4^2y_5 + x_5y_4^3)) + ib_{0,0,0,0,-1,0,-3,0,1,0}^r(x_3(x_4^3y_5 - 3x_4^2x_5y_4 - 3x_4y_4^2y_5 +$

$x_5y_4^3) + y_3(-x_4^3x_5 - 3x_4^2y_4y_5 + 3x_4x_5y_4^2 + y_4^3y_5)) + b_{0,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4x_5 +$

$y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - ib_{0,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) +$

$$b^r_{0,0,0,0,-1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - ib^r_{0,0,0,0,-1,0,1,1,-1,0}(x_4^2 +$$
$$y_4^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,-1,0,3,0,1,0}(x_3(x_4^3x_5 - 3x_4^2y_4y_5 - 3x_4x_5y_4^2 +$$
$$y_4^3y_5) + y_3(x_4^3y_5 + 3x_4^2x_5y_4 - 3x_4y_4^2y_5 - x_5y_4^3)) + ib^r_{0,0,0,0,-1,0,3,0,1,0}(x_3(x_4^3y_5 +$$
$$3x_4^2x_5y_4 - 3x_4y_4^2y_5 - x_5y_4^3) + y_3(-x_4^3x_5 + 3x_4^2y_4y_5 + 3x_4x_5y_4^2 - y_4^3y_5)) +$$
$$b^r_{0,0,0,0,-1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - ib^r_{0,0,0,0,-1,1,1,0,-1,0}(x_3^2 +$$
$$y_3^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,-3,0,-1,0,1,0}(x_3(-3x_4x_5y_3^2 - 3y_3^2y_4y_5) +$$
$$x_4(x_3^3x_5 - y_3^3y_5) + y_3(3x_3^2x_4y_5 - 3x_3^2x_5y_4) + y_4(x_3^3y_5 + x_5y_3^3)) + ib^r_{0,0,0,0,-3,0,-1,0,1,0}(x_3(-$$
$$3x_4y_3^2y_5 + 3x_5y_3^2y_4) + x_4(x_3^3y_5 + x_5y_3^3) + y_3(-3x_3^2x_4x_5 - 3x_3^2y_4y_5) + y_4(-x_3^3x_5 +$$
$$y_3^3y_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - ib^r_{0,0,0,0,1,0,-1,0,-1,1}(x_5^2 +$$
$$y_5^2)(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 +$$
$$x_5y_4)) - ib^r_{0,0,0,0,1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,1,0,1,0,1,1}(x_5^2 +$$
$$y_5^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) + ib^r_{0,0,0,0,1,0,1,0,1,1}(x_5^2 + y_5^2)(x_3(x_4y_5 + x_5y_4) +$$
$$y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,0,0,1,0,1,1,1,0}(x_4^2 + y_4^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) +$$
$$ib^r_{0,0,0,0,1,0,1,1,1,0}(x_4^2 + y_4^2)(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,0,0,1,1,-1,0,-1,0}(x_3^2 +$$
$$y_3^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - ib^r_{0,0,0,0,1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4y_5 + x_5y_4) + y_3(-$$
$$x_4x_5 + y_4y_5)) + b^r_{0,0,0,0,1,1,1,0,1,0}(x_3^2 + y_3^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) +$$
$$ib^r_{0,0,0,0,1,1,1,0,1,0}(x_3^2 + y_3^2)(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,0,0,3,0,-1,0,1,0}(x_3(-3x_4x_5y_3^2 -$$
$$3y_3^2y_4y_5) + x_4(x_3^3x_5 + y_3^3y_5) + y_3(-3x_3^2x_4y_5 + 3x_3^2x_5y_4) + y_4(x_3^3y_5 - x_5y_3^3)) +$$
$$ib^r_{0,0,0,0,3,0,-1,0,1,0}(x_3(-3x_4y_3^2y_5 + 3x_5y_3^2y_4) + x_4(x_3^3y_5 - x_5y_3^3) + y_3(3x_3^2x_4x_5 + 3x_3^2y_4y_5) +$$
$$y_4(-x_3^3x_5 - y_3^3y_5)) + b^r_{0,0,0,1,-1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) -$$
$$ib^r_{0,0,0,1,-1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2 +$$
$$y_2^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - ib^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4y_5 + x_5y_4) + y_3(-$$
$$x_4x_5 + y_4y_5)) + b^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2 + y_2^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) +$$
$$ib^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2 + y_2^2)(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) - ib^r_{0,0,1,0,-2,0,-2,0,0,0}(x_2(2x_3^2x_4y_4 +$$
$$2x_3x_4^2y_3 - 2x_3y_3y_4^2 - 2x_4y_3^2y_4) + y_2(-x_3^2x_4^2 + x_3^2y_4^2 + 4x_3x_4y_3y_4 + x_4^2y_3^2 -$$
$$y_3^2y_4^2)) + b^r_{0,0,1,0,-2,0,-2,0,0,0}(x_2(x_3^2x_4^2 - x_3^2y_4^2 - 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) +$$
$$y_2(2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 - 2x_4y_3^2y_4)) + ib^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(2x_3^2x_5y_5 -$$
$$2x_3x_5^2y_3 + 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_2(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 +$$
$$y_3^2y_5^2)) + b^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_2(-$$
$$2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 + 2x_5y_3^2y_5)) - ib^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(4x_3^3y_3 - 4x_3y_3^3) + y_2(-$$
$$x_3^4 + 6x_3^2y_3^2 - y_3^4)) + b^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(x_3^4 - 6x_3^2y_3^2 + y_3^4) + y_2(4x_3^3y_3 - 4x_3y_3^3)) +$$
$$ib^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(2x_4^2x_5y_5 - 2x_4x_5^2y_4 + 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_2(x_4^2x_5^2 - x_4^2y_5^2 +$$
$$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(x_4^2x_5^2 - x_4^2y_5^2 + 4x_4x_5y_4y_5 -$$
$$x_5^2y_4^2 + y_4^2y_5^2) + y_2(-2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) -$$
$$ib^r_{0,0,1,0,0,0,-4,0,0,0}(x_2(4x_4^3y_4 - 4x_4y_4^3) + y_2(-x_4^4 + 6x_4^2y_4^2 - y_4^4)) + b^r_{0,0,1,0,0,0,-4,0,0,0}(x_2(x_4^4 -$$
$$6x_4^2y_4^2 + y_4^4) + y_2(4x_4^3y_4 - 4x_4y_4^3)) + b^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) -$$
$$ib^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) + ib^r_{0,0,1,0,0,0,0,0,4,0}(x_2(4x_5^3y_5 - 4x_5y_5^3) +$$
$$y_2(x_5^4 - 6x_5^2y_5^2 + y_5^4)) + b^r_{0,0,1,0,0,0,0,0,4,0}(x_2(x_5^4 - 6x_5^2y_5^2 + y_5^4) + y_2(-4x_5^3y_5 + 4x_5y_5^3)) +$$
$$b^r_{0,0,1,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - ib^r_{0,0,1,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(2x_2x_5y_5 + y_2(-$$
$$x_5^2 + y_5^2)) + b^r_{0,0,1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) + ib^r_{0,0,1,0,0,0,2,0,0,1}(x_5^2 +$$
$$y_5^2)(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) + b^r_{0,0,1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) +$$
$$ib^r_{0,0,1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) + b^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2(x_5^2 - y_5^2) +$$

$2x_5y_2y_5) - ib^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) + b^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2 +$

$y_3^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) + ib^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) +$

$b^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) + ib^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_2x_3y_3 +$

$y_2(x_3^2 - y_3^2)) + b^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) + ib^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2 +$

$y_4^2)(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) + b^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) +$

$ib^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) + b^r_{0,0,1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2(x_5^2 - y_5^2) +$

$2x_5y_2y_5) - ib^r_{0,0,1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) + b^r_{0,0,1,1,0,0,2,0,0,0}(x_2^2 +$

$y_2^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) + ib^r_{0,0,1,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) +$

$b^r_{0,0,1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) + ib^r_{0,0,1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_2x_3y_3 +$

$y_2(x_3^2 - y_3^2)) + ib^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(2x_3x_4x_5y_2 + 2x_3y_2y_4y_5 + 2x_4y_2y_3y_5 - 2x_5y_2y_3y_4) +$

$x_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 + x_5y_2^2y_4) + y_3(-x_2^2x_4x_5 - x_2^2y_4y_5 + x_4x_5y_2^2 +$

$y_2^2y_4y_5)) + b^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(-2x_3x_4y_2y_5 + 2x_3x_5y_2y_4 + 2x_4x_5y_2y_3 + 2y_2y_3y_4y_5) +$

$x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 +$

$x_5y_2^2y_4)) - ib^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(-2x_3x_4x_5y_2 - 2x_3y_2y_4y_5 - 2x_4y_2y_3y_5 + 2x_5y_2y_3y_4) +$

$x_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 + x_5y_2^2y_4) + y_3(-x_2^2x_4x_5 - x_2^2y_4y_5 + x_4x_5y_2^2 +$

$y_2^2y_4y_5)) + b^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 - 2y_2y_3y_4y_5) +$

$x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 +$

$x_5y_2^2y_4)) + b^r_{0,0,3,0,-2,0,0,0,0,0}(x_2^3x_3^2 - x_2^3y_3^2 + 6x_2^2x_3y_2y_3 + x_2(-3x_3^2y_2^2 + 3y_2^2y_3^2) -$

$2x_3y_2^3y_3) - ib^r_{0,0,3,0,-2,0,0,0,0,0}(2x_2^3x_3y_3 - 6x_2x_3y_2^2y_3 + x_3^2y_2^3 - y_2^3y_3^2 + y_2(-3x_2^2x_3^2 +$

$3x_2^2y_3^2)) + b^r_{0,0,3,0,0,0,-2,0,0,0}(x_2^3x_4^2 - x_2^3y_4^2 + 6x_2^2x_4y_2y_4 + x_2(-3x_4^2y_2^2 + 3y_2^2y_4^2) -$

$2x_4y_2^3y_4) - ib^r_{0,0,3,0,0,0,-2,0,0,0}(2x_2^3x_4y_4 - 6x_2x_4y_2^2y_4 + x_4^2y_2^3 - y_2^3y_4^2 + y_2(-3x_2^2x_4^2 +$

$3x_2^2y_4^2)) + b^r_{0,0,3,0,0,0,0,0,2,0}(x_2^3x_5^2 - x_2^3y_5^2 - 6x_2^2x_5y_2y_5 + x_2(-3x_5^2y_2^2 + 3y_2^2y_5^2) +$

$2x_5y_2^3y_5) + ib^r_{0,0,3,0,0,0,0,0,2,0}(2x_2^3x_5y_5 - 6x_2x_5y_2^2y_5 - x_5^2y_2^3 + y_2^3y_5^2 + y_2(3x_2^2x_5^2 -$

$3x_2^2y_5^2)) + b^r_{0,0,5,0,0,0,0,0,0,0}x_2(x_2^4 - 10x_2^2y_2^2 + 5y_2^4) + ib^r_{0,0,5,0,0,0,0,0,0,0}y_2(5x_2^4 - 10x_2^2y_2^2 +$

$y_2^4) + b^r_{0,1,-1,0,0,0,0,0,0,1}x_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) - ib^r_{0,1,-1,0,0,0,0,0,0,1}y_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$

$b^r_{0,1,-1,0,0,0,0,1,0,0}x_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) - ib^r_{0,1,-1,0,0,0,0,1,0,0}y_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$

$b^r_{0,1,-1,0,0,1,0,0,0,0}x_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) - ib^r_{0,1,-1,0,0,1,0,0,0,0}y_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$

$b^r_{0,1,-1,1,0,0,0,0,0,0}x_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) - ib^r_{0,1,-1,1,0,0,0,0,0,0}y_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) +$

$b^r_{0,1,0,0,-1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - ib^r_{0,1,0,0,-1,0,1,0,-1,0}(x_1^2 +$

$y_1^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b^r_{0,1,0,0,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 +$

$x_5y_4)) - ib^r_{0,1,0,0,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) + b^r_{0,1,0,0,0,1,0,1,0,1,0}(x_1^2 +$

$y_1^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) + ib^r_{0,1,0,0,0,1,0,1,0,1,0}(x_1^2 + y_1^2)(x_3(x_4y_5 + x_5y_4) +$

$y_3(x_4x_5 - y_4y_5)) + b^r_{0,1,1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - ib^r_{0,1,1,0,0,0,0,0,-2,0}(x_1^2 +$

$y_1^2)(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) + b^r_{0,1,1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) +$

$ib^r_{0,1,1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) + b^r_{0,1,1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2(x_3^2 - y_3^2) -$

$2x_3y_2y_3) + ib^r_{0,1,1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) + b^r_{0,2,-1,0,0,0,0,0,0,0}x_2(x_1^2 + y_1^2)^2 -$

$ib^r_{0,2,-1,0,0,0,0,0,0,0}y_2(x_1^2 + y_1^2)^2 + b^r_{1,0,-1,0,-1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 +$

$x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 +$

$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) -$

$ib^r_{1,0,-1,0,-1,0,1,0,-1,0}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 -$

$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$

$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) + b^r_{1,0,-1,0,1,0,-1,0,-1,0}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 +$

$$x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)) -$$

$$ib^r_{1,0,-1,0,1,0,-1,0,-1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 +$$

$$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) + b^r_{1,0,-1,0,1,0,1,0,1,0}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 -$$

$$x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4)) +$$

$$ib^r_{1,0,-1,0,1,0,1,0,1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 +$$

$$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) + b^r_{1,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_2^2 - y_2^2) + 2x_2x_2y_1y_2) -$$

$$ib^r_{1,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_2^2 -$$

$$y_2^2) + 2x_2y_1y_2) - ib^r_{1,0,-2,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,0,-2,0,0,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) - ib^r_{1,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) +$$

$$b^r_{1,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) - ib^r_{1,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2y_2 + y_1(-$$

$$x_2^2 + y_2^2)) - ib^r_{1,0,0,0,-2,0,-2,0,0,0}(x_1(2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 - 2x_4y_3^2y_4) + y_1(-$$

$$x_3^2x_4^2 + x_3^2y_4^2 + 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) + b^r_{1,0,0,0,-2,0,-2,0,0,0}(x_1(x_3^2x_4^2 -$$

$$x_3^2y_4^2 - 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_1(2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 -$$

$$2x_4y_3^2y_4)) + ib^r_{1,0,0,0,-2,0,0,0,2,0}(x_1(2x_3^2x_5y_5 - 2x_3x_5^2y_3 + 2x_3y_3y_5^2 - 2x_5y_3^2y_5) +$$

$$y_1(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) + b^r_{1,0,0,0,-2,0,0,0,2,0}(x_1(x_3^2x_5^2 -$$

$$x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_1(-2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 +$$

$$2x_5y_3^2y_5)) - ib^r_{1,0,0,0,-4,0,0,0,0,0}(x_1(4x_3^3y_3 - 4x_3y_3^3) + y_1(-x_3^4 + 6x_3^2y_3^2 - y_3^4)) +$$

$$b^r_{1,0,0,0,-4,0,0,0,0,0}(x_1(x_3^4 - 6x_3^2y_3^2 + y_3^4) + y_1(4x_3^3y_3 - 4x_3y_3^3)) +$$

$$ib^r_{1,0,0,0,0,0,-2,0,2,0}(x_1(2x_4^2x_5y_5 - 2x_4x_5^2y_4 + 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(x_4^2x_5^2 - x_4^2y_5^2 +$$

$$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b^r_{1,0,0,0,0,0,-2,0,2,0}(x_1(x_4^2x_5^2 - x_4^2y_5^2 + 4x_4x_5y_4y_5 -$$

$$x_5^2y_4^2 + y_4^2y_5^2) + y_1(-2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) -$$

$$ib^r_{1,0,0,0,0,0,-4,0,0,0}(x_1(4x_4^3y_4 - 4x_4y_4^3) + y_1(-x_4^4 + 6x_4^2y_4^2 - y_4^4)) + b^r_{1,0,0,0,0,0,-4,0,0,0}(x_1(x_4^4 -$$

$$6x_4^2y_4^2 + y_4^4) + y_1(4x_4^3y_4 - 4x_4y_4^3)) + b^r_{1,0,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) -$$

$$ib^r_{1,0,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + ib^r_{1,0,0,0,0,0,0,0,0,4,0}(x_1(4x_5^3y_5 - 4x_5y_5^3) +$$

$$y_1(x_5^4 - 6x_5^2y_5^2 + y_5^4)) + b^r_{1,0,0,0,0,0,0,0,0,4,0}(x_1(x_5^4 - 6x_5^2y_5^2 + y_5^4) + y_1(-4x_5^3y_5 + 4x_5y_5^3)) +$$

$$b^r_{1,0,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) - ib^r_{1,0,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(2x_1x_5y_5 + y_1(-$$

$$x_5^2 + y_5^2)) + b^r_{1,0,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) + ib^r_{1,0,0,0,0,0,2,0,0,1}(x_5^2 +$$

$$y_5^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b^r_{1,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) +$$

$$ib^r_{1,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b^r_{1,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1(x_5^2 - y_5^2) +$$

$$2x_5y_1y_5) - ib^r_{1,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,0,0,0,0,1,2,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) + ib^r_{1,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) +$$

$$b^r_{1,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) + ib^r_{1,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_3y_3 +$$

$$y_1(x_3^2 - y_3^2)) + b^r_{1,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) + ib^r_{1,0,0,0,2,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) + b^r_{1,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) +$$

$$ib^r_{1,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) + b^r_{1,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1(x_5^2 - y_5^2) +$$

$$2x_5y_1y_5) - ib^r_{1,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,0,0,1,0,0,2,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) + ib^r_{1,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) +$$

$$b^r_{1,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) + ib^r_{1,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_3y_3 +$$

$$y_1(x_3^2 - y_3^2)) + b^r_{1,0,1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 -$$

$$x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 +$$

$$x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) + ib^r_{1,0,1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4y_5 -$$

$$x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) +$$

$$y_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 +$$

$$y_2y_3y_4y_5)) + b^r_{1,0,1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 -$$

$$x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) - ib^r_{1,0,1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 -$$

$$x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) -$$

$$ib^r_{1,0,2,0,-2,0,0,0,0,0}(x_1(2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 - 2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 -$$

$$4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2)) + b^r_{1,0,2,0,-2,0,0,0,0,0}(x_1(x_2^2x_3^2 - x_2^2y_3^2 + 4x_2x_3y_2y_3 -$$

$$x_3^2y_2^2 + y_2^2y_3^2) + y_1(2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 - 2x_3y_2^2y_3)) -$$

$$ib^r_{1,0,2,0,0,0,-2,0,0,0}(x_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2 -$$

$$4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) + b^r_{1,0,2,0,0,0,-2,0,0,0}(x_1(x_2^2x_4^2 - x_2^2y_4^2 + 4x_2x_4y_2y_4 -$$

$$x_4^2y_2^2 + y_2^2y_4^2) + y_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4)) +$$

$$ib^r_{1,0,2,0,0,0,0,0,2,0}(x_1(2x_2^2x_5y_5 + 2x_2x_5^2y_2 - 2x_2y_2y_5^2 - 2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 -$$

$$4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2)) + b^r_{1,0,2,0,0,0,0,0,2,0}(x_1(x_2^2x_5^2 - x_2^2y_5^2 - 4x_2x_5y_2y_5 -$$

$$x_5^2y_2^2 + y_2^2y_5^2) + y_1(-2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 + 2x_5y_2^2y_5)) +$$

$$ib^r_{1,0,4,0,0,0,0,0,0,0}(x_1(4x_2^3y_2 - 4x_2y_2^3) + y_1(x_2^4 - 6x_2^2y_2^2 + y_2^4)) + b^r_{1,0,4,0,0,0,0,0,0,0}(x_1(x_2^4 -$$

$$6x_2^2y_2^2 + y_2^4) + y_1(-4x_2^3y_2 + 4x_2y_2^3)) + b^r_{1,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) -$$

$$ib^r_{1,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1(x_5^2 -$$

$$y_5^2) + 2x_5y_1y_5) - ib^r_{1,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,1,0,0,0,0,2,0,0,0}(x_1^2 +$$

$$y_1^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) + ib^r_{1,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) +$$

$$b^r_{1,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) + ib^r_{1,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1x_3y_3 +$$

$$y_1(x_3^2 - y_3^2)) - ib^r_{2,0,-1,0,0,0,0,0,-2,0}(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 + 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5 -$$

$$2x_5y_1^2y_5) + y_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2)) + b^r_{2,0,-1,0,0,0,0,0,-2,0}(x_1(4x_2x_5y_1y_5 +$$

$$2x_5^2y_1y_2 - 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(-2x_1^2x_5y_5 +$$

$$2x_5y_1^2y_5)) + ib^r_{2,0,-1,0,0,0,2,0,0,0}(x_1(2x_2x_4^2y_1 - 2x_2y_1y_4^2 + 4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 -$$

$$2x_4y_1^2y_4) + y_2(-x_1^2x_4^2 + x_1^2y_4^2 + x_4^2y_1^2 - y_1^2y_4^2)) + b^r_{2,0,-1,0,0,0,2,0,0,0}(x_1(-4x_2x_4y_1y_4 +$$

$$2x_4^2y_1y_2 - 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2) + y_2(2x_1^2x_4y_4 -$$

$$2x_4y_1^2y_4)) + ib^r_{2,0,-1,0,2,0,0,0,0,0}(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 + 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3 -$$

$$2x_3y_1^2y_3) + y_2(-x_1^2x_3^2 + x_1^2y_3^2 + x_3^2y_1^2 - y_1^2y_3^2)) + b^r_{2,0,-1,0,2,0,0,0,0,0}(x_1(-4x_2x_3y_1y_3 +$$

$$2x_3^2y_1y_2 - 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(2x_1^2x_3y_3 -$$

$$2x_3y_1^2y_3)) + b^r_{2,0,-3,0,0,0,0,0,0,0}(x_1^2x_2^3 + x_1(6x_2^2y_1y_2 - 2y_1y_2^3) - x_2^3y_1^2 + x_2(-3x_1^2y_2^2 +$$

$$3y_1^2y_2^2)) - ib^r_{2,0,-3,0,0,0,0,0,0,0}(-x_1^2y_2^3 + x_1(-2x_2^3y_1 + 6x_2y_1y_2^2) + y_1^2y_2^3 + y_2(3x_1^2x_2^2 -$$

$$3x_2^2y_1^2)) + ib^r_{2,0,0,0,-1,0,-1,0,1,0}(x_1(2x_3x_4x_5y_1 + 2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) +$$

$$x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 - x_1^2y_4y_5 + x_4x_5y_1^2 +$$

$$y_1^2y_4y_5)) + b^r_{2,0,0,0,-1,0,-1,0,1,0}(x_1(-2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) +$$

$$x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 +$$

$$x_5y_1^2y_4)) - ib^r_{2,0,0,0,1,0,1,0,-1,0}(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 - 2x_4y_1y_3y_5 + 2x_5y_1y_3y_4) +$$

$$x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 - x_1^2y_4y_5 + x_4x_5y_1^2 +$$

$$y_1^2y_4y_5)) + b^r_{2,0,0,0,1,0,1,0,-1,0}(x_1(2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$$

$$x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 +$$

$$x_5 y_1^2 y_4)) - i b_{2,0,1,0,-2,0,0,0,0,0}^r(x_1(-2x_2 x_3^2 y_1 + 2x_2 y_1 y_3^2 - 4x_3 y_1 y_2 y_3) + x_2(2x_1^2 x_3 y_3 -$$
$$2x_3 y_1^2 y_3) + y_2(-x_1^2 x_3^2 + x_1^2 y_3^2 + x_3^2 y_1^2 - y_1^2 y_3^2)) + b_{2,0,1,0,-2,0,0,0,0,0}^r(x_1(4x_2 x_3 y_1 y_3 -$$
$$2x_3^2 y_1 y_2 + 2y_1 y_2 y_3^2) + x_2(x_1^2 x_3^2 - x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2) + y_2(2x_1^2 x_3 y_3 -$$
$$2x_3 y_1^2 y_3)) - i b_{2,0,1,0,0,0,-2,0,0,0}^r(x_1(-2x_2 x_4^2 y_1 + 2x_2 y_1 y_4^2 - 4x_4 y_1 y_2 y_4) + x_2(2x_1^2 x_4 y_4 -$$
$$2x_4 y_1^2 y_4) + y_2(-x_1^2 x_4^2 + x_1^2 y_4^2 + x_4^2 y_1^2 - y_1^2 y_4^2)) + b_{2,0,1,0,0,0,-2,0,0,0}^r(x_1(4x_2 x_4 y_1 y_4 -$$
$$2x_4^2 y_1 y_2 + 2y_1 y_2 y_4^2) + x_2(x_1^2 x_4^2 - x_1^2 y_4^2 - x_4^2 y_1^2 + y_1^2 y_4^2) + y_2(2x_1^2 x_4 y_4 -$$
$$2x_4 y_1^2 y_4)) + i b_{2,0,1,0,0,0,0,0,2,0}^r(x_1(2x_2 x_5^2 y_1 - 2x_2 y_1 y_5^2 - 4x_5 y_1 y_2 y_5) + x_2(2x_1^2 x_5 y_5 -$$
$$2x_5 y_1^2 y_5) + y_2(x_1^2 x_5^2 - x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2)) + b_{2,0,1,0,0,0,0,0,2,0}^r(x_1(-4x_2 x_5 y_1 y_5 -$$
$$2x_5^2 y_1 y_2 + 2y_1 y_2 y_5^2) + x_2(x_1^2 x_5^2 - x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2) + y_2(-2x_1^2 x_5 y_5 +$$
$$2x_5 y_1^2 y_5)) + b_{2,0,3,0,0,0,0,0,0,0}^r(x_1^2 x_3^2 + x_1(-6x_2^2 y_1 y_2 + 2y_1 y_2^3) - x_2^3 y_1^2 + x_2(-3x_1^2 y_2^2 +$$
$$3y_1^2 y_2^2)) + i b_{2,0,3,0,0,0,0,0,0,0}^r(-x_1^2 y_3^2 + x_1(2x_2^3 y_1 - 6x_2 y_1 y_2^2) + y_1^2 y_2^3 + y_2(3x_1^2 x_2^2 -$$
$$3x_2^2 y_1^2)) + b_{3,0,0,0,-2,0,0,0,0,0}^r(x_1^3 x_3^2 - x_1^3 y_3^2 + 6x_1^2 x_3 y_1 y_3 + x_1(-3x_3^2 y_1^2 + 3y_1^2 y_3^2) -$$
$$2x_3 y_1^3 y_3) - i b_{3,0,0,0,-2,0,0,0,0,0}^r(2x_1^3 x_3 y_3 - 6x_1 x_3 y_1^2 y_3 + x_3^2 y_1^3 - y_1^3 y_3^2 + y_1(-3x_1^2 x_3^2 +$$
$$3x_1^2 y_3^2)) + b_{3,0,0,0,0,0,-2,0,0,0}^r(x_1^3 x_4^2 - x_1^3 y_4^2 + 6x_1^2 x_4 y_1 y_4 + x_1(-3x_4^2 y_1^2 + 3y_1^2 y_4^2) -$$
$$2x_4 y_1^3 y_4) - i b_{3,0,0,0,0,0,-2,0,0,0}^r(2x_1^3 x_4 y_4 - 6x_1 x_4 y_1^2 y_4 + x_4^2 y_1^3 - y_1^3 y_4^2 + y_1(-3x_1^2 x_4^2 +$$
$$3x_1^2 y_4^2)) + b_{3,0,0,0,0,0,0,0,2,0}^r(x_1^3 x_5^2 - x_1^3 y_5^2 - 6x_1^2 x_5 y_1 y_5 + x_1(-3x_5^2 y_1^2 + 3y_1^2 y_5^2) +$$
$$2x_5 y_1^3 y_5) + i b_{3,0,0,0,0,0,0,0,2,0}^r(2x_1^3 x_5 y_5 - 6x_1 x_5 y_1^2 y_5 - x_5^2 y_1^3 + y_1^3 y_5^2 + y_1(3x_1^2 x_5^2 -$$
$$3x_1^2 y_5^2)) + b_{3,0,2,0,0,0,0,0,0,0}^r(x_1^3 x_2^2 - x_1^3 y_2^2 - 6x_1^2 x_2 y_1 y_2 + x_1(-3x_2^2 y_1^2 + 3y_1^2 y_2^2) +$$
$$2x_2 y_1^3 y_2) + i b_{3,0,2,0,0,0,0,0,0,0}^r(2x_1^3 x_2 y_2 - 6x_1 x_2 y_1^2 y_2 - x_2^2 y_1^3 + y_1^3 y_2^2 + y_1(3x_1^2 x_2^2 -$$
$$3x_1^2 y_2^2)) + i b_{4,0,1,0,0,0,0,0,0,0}^r(4x_1^3 x_2 y_1 - 4x_1 x_2 y_1^3 + y_2(x_1^4 - 6x_1^2 y_1^2 + y_1^4)) + b_{4,0,1,0,0,0,0,0,0,0}^r(-$$
$$4x_1^3 y_1 y_2 + 4x_1 y_1^3 y_2 + x_2(x_1^4 - 6x_1^2 y_1^2 + y_1^4)) + b_{5,0,0,0,0,0,0,0,0,0}^r x_1(x_1^4 - 10x_1^2 y_1^2 + 5y_1^4) +$$
$$i b_{5,0,0,0,0,0,0,0,0,0}^r y_1(5x_1^4 - 10x_1^2 y_1^2 + y_1^4)$$

$$
\begin{aligned}
H_{-+}^{(5)} = {}& b_{-1,0,-1,0,-1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - \\
& x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + \\
& x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) + i b_{-1,0,-1,0,-1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + \\
& x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(x_2 x_3 x_4 x_5 - \\
& x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) + \\
& b_{-1,0,-1,0,-1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - \\
& x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + \\
& x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) - i b_{-1,0,-1,0,-1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - \\
& x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(-x_2 x_3 x_4 x_5 + \\
& x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5)) + \\
& b_{-1,0,-1,0,1,0,-1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + \\
& x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - \\
& x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) - i b_{-1,0,-1,0,1,0,-1,0,1,0}^r(x_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + \\
& x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(-x_2 x_3 x_4 x_5 - \\
& x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5)) + \\
& i b_{-1,0,-2,0,-2,0,0,0,0,0}^r(x_1(2x_2^2 x_3 y_3 + 2x_2 x_3^2 y_2 - 2x_2 y_2 y_3^2 - 2x_3 y_2^2 y_3) + y_1(x_2^2 x_3^2 - x_2^2 y_3^2 - \\
& 4x_2 x_3 y_2 y_3 - x_3^2 y_2^2 + y_2^2 y_3^2)) + b_{-1,0,-2,0,-2,0,0,0,0,0}^r(x_1(x_2^2 x_3^2 - x_2^2 y_3^2 - 4x_2 x_3 y_2 y_3 - \\
& x_3^2 y_2^2 + y_2^2 y_3^2) + y_1(-2x_2^2 x_3 y_3 - 2x_2 x_3^2 y_2 + 2x_2 y_2 y_3^2 + 2x_3 y_2^2 y_3)) + \\
& i b_{-1,0,-2,0,0,0,-2,0,0,0}^r(x_1(2x_2^2 x_4 y_4 + 2x_2 x_4^2 y_2 - 2x_2 y_2 y_4^2 - 2x_4 y_2^2 y_4) + y_1(x_2^2 x_4^2 - x_2^2 y_4^2 - \\
& 4x_2 x_4 y_2 y_4 - x_4^2 y_2^2 + y_2^2 y_4^2)) + b_{-1,0,-2,0,0,0,-2,0,0,0}^r(x_1(x_2^2 x_4^2 - x_2^2 y_4^2 - 4x_2 x_4 y_2 y_4 -
\end{aligned}
$$

$$x_4^2 y_2^2 + y_2^2 y_4^2) + y_1(-2x_2^2 x_4 y_4 - 2x_2 x_4^2 y_2 + 2x_2 y_2 y_4^2 + 2x_4 y_2^2 y_4)) -$$

$$ib_{-1,0,-2,0,0,0,0,0,2,0}^r(x_1(2x_2^2 x_5 y_5 - 2x_2 x_5^2 y_2 + 2x_2 y_2 y_5^2 - 2x_5 y_2^2 y_5) + y_1(-x_2^2 x_5^2 + x_2^2 y_5^2 - 4x_2 x_5 y_2 y_5 + x_5^2 y_2^2 - y_2^2 y_5^2)) + b_{-1,0,-2,0,0,0,0,0,2,0}^r(x_1(x_2^2 x_5^2 - x_2^2 y_5^2 + 4x_2 x_5 y_2 y_5 - x_5^2 y_2^2 + y_2^2 y_5^2) + y_1(2x_2^2 x_5 y_5 - 2x_2 x_5^2 y_2 + 2x_2 y_2 y_5^2 - 2x_5 y_2^2 y_5)) +$$

$$ib_{-1,0,0,0,-2,0,0,0,-2,0}^r(x_1(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5) + y_1(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2)) + b_{-1,0,0,0,-2,0,0,0,-2,0}^r(x_1(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(-2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 + 2x_5 y_3^2 y_5)) -$$

$$ib_{-1,0,0,0,-2,0,2,0,0,0}^r(x_1(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4) + y_1(-x_3^2 x_4^2 + x_3^2 y_4^2 - 4x_3 x_4 y_3 y_4 + x_4^2 y_3^2 - y_3^2 y_4^2)) + b_{-1,0,0,0,-2,0,2,0,0,0}^r(x_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4)) +$$

$$ib_{-1,0,0,0,0,0,-2,0,-2,0}^r(x_1(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5) + y_1(x_4^2 x_5^2 - x_4^2 y_5^2 - 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2)) + b_{-1,0,0,0,0,0,-2,0,-2,0}^r(x_1(x_4^2 x_5^2 - x_4^2 y_5^2 - 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(-2x_4^2 x_5 y_5 - 2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 + 2x_5 y_4^2 y_5)) +$$

$$b_{-1,0,0,0,0,0,0,0,0,2}^r x_1(x_5^2 + y_5^2)^2 + ib_{-1,0,0,0,0,0,0,0,0,2}^r y_1(x_5^2 + y_5^2)^2 + b_{-1,0,0,0,0,0,0,1,0,1}^r x_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) + ib_{-1,0,0,0,0,0,0,1,0,1}^r y_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) + b_{-1,0,0,0,0,0,0,2,0,0}^r x_1(x_4^2 + y_4^2)^2 + ib_{-1,0,0,0,0,0,0,2,0,0}^r y_1(x_4^2 + y_4^2)^2 - ib_{-1,0,0,0,0,0,2,0,2,0}^r(x_1(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5) + y_1(-x_4^2 x_5^2 + x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 + x_5^2 y_4^2 - y_4^2 y_5^2)) +$$

$$b_{-1,0,0,0,0,0,2,0,2,0}^r(x_1(x_4^2 x_5^2 - x_4^2 y_5^2 - 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5)) + b_{-1,0,0,0,0,1,0,0,0,1}^r x_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + ib_{-1,0,0,0,0,1,0,0,0,1}^r y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{-1,0,0,0,0,1,0,1,0,0}^r x_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) + ib_{-1,0,0,0,0,1,0,1,0,0}^r y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{-1,0,0,0,0,2,0,0,0,0}^r x_1(x_3^2 + y_3^2)^2 + ib_{-1,0,0,0,0,2,0,0,0,0}^r y_1(x_3^2 + y_3^2)^2 + ib_{-1,0,0,0,0,2,0,-2,0,0,0}^r(x_1(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4) + y_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2)) +$$

$$b_{-1,0,0,0,2,0,-2,0,0,0}^r(x_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(-2x_3^2 x_4 y_4 + 2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 + 2x_4 y_3^2 y_4)) - ib_{-1,0,0,0,2,0,0,0,0,2,0}^r(x_1(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5) + y_1(-x_3^2 x_5^2 + x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 + x_5^2 y_3^2 - y_3^2 y_5^2)) +$$

$$b_{-1,0,0,0,2,0,0,0,2,0}^r(x_1(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5)) + b_{-1,0,0,1,0,0,0,0,0,1}^r x_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) + ib_{-1,0,0,1,0,0,0,0,0,1}^r y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{-1,0,0,1,0,0,0,1,0,0}^r x_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + ib_{-1,0,0,1,0,0,0,1,0,0}^r y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{-1,0,0,1,0,1,0,0,0,0}^r x_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) + ib_{-1,0,0,1,0,1,0,0,0,0}^r y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{-1,0,0,2,0,0,0,0,0,0}^r x_1(x_2^2 + y_2^2)^2 + ib_{-1,0,0,2,0,0,0,0,0,0}^r y_1(x_2^2 + y_2^2)^2 + b_{-1,0,1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) +$$

$$ib_{-1,0,1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) + b_{-1,0,1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) +$$

$$ib_{-1,0,1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) + y_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) + b_{-1,0,1,0,1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 +$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4)) -$$

$$ib^r_{-1,0,1,0,1,0,1,0,1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 -$$

$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) + ib^r_{-1,0,2,0,0,0,0,0,-2,0}(x_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 -$$

$$2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 + 4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2)) +$$

$$b^r_{-1,0,2,0,0,0,0,0,-2,0}(x_1(x_2^2x_5^2 - x_2^2y_5^2 + 4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2) + y_1(-2x_2^2x_5y_5 +$$

$$2x_2x_5^2y_2 - 2x_2y_2y_5^2 + 2x_5y_2^2y_5)) - ib^r_{-1,0,2,0,0,0,2,0,0,0}(x_1(2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 -$$

$$2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2 + 4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) +$$

$$b^r_{-1,0,2,0,0,0,2,0,0,0}(x_1(x_2^2x_4^2 - x_2^2y_4^2 - 4x_2x_4y_2y_4 - x_4^2y_2^2 + y_2^2y_4^2) + y_1(2x_2^2x_4y_4 +$$

$$2x_2x_4^2y_2 - 2x_2y_2y_4^2 - 2x_4y_2^2y_4)) - ib^r_{-1,0,2,0,2,0,0,0,0,0}(x_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 -$$

$$2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 + 4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2)) +$$

$$b^r_{-1,0,2,0,2,0,0,0,0,0}(x_1(x_2^2x_3^2 - x_2^2y_3^2 - 4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2) + y_1(2x_2^2x_3y_3 +$$

$$2x_2x_3^2y_2 - 2x_2y_2y_3^2 - 2x_3y_2^2y_3) + b^r_{-1,1,0,0,0,0,0,0,0,1}x_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$

$$ib^r_{-1,1,0,0,0,0,0,0,0,1}y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b^r_{-1,1,0,0,0,0,0,1,0,0}x_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$ib^r_{-1,1,0,0,0,0,0,1,0,0}y_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b^r_{-1,1,0,0,0,1,0,0,0,0}x_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$

$$ib^r_{-1,1,0,0,0,1,0,0,0,0}y_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) + b^r_{-1,1,0,1,0,0,0,0,0,0}x_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) +$$

$$ib^r_{-1,1,0,1,0,0,0,0,0,0}y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b^r_{-1,2,0,0,0,0,0,0,0,0}x_1(x_1^2 + y_1^2)^2 +$$

$$ib^r_{-1,2,0,0,0,0,0,0,0,0}y_1(x_1^2 + y_1^2)^2 + ib^r_{-2,0,-1,0,-2,0,0,0,0,0}(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 - 4x_3y_1y_2y_3) +$$

$$x_2(2x_1^2x_3y_3 - 2x_3y_1^2y_3) + y_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2)) + b^r_{-2,0,-1,0,-2,0,0,0,0,0}(x_1(-$$

$$4x_2x_3y_1y_3 - 2x_3^2y_1y_2 + 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(-$$

$$2x_1^2x_3y_3 + 2x_3y_1^2y_3)) + ib^r_{-2,0,-1,0,0,0,-2,0,0,0}(x_1(2x_2x_4^2y_1 - 2x_2y_1y_4^2 - 4x_4y_1y_2y_4) +$$

$$x_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4) + y_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2)) + b^r_{-2,0,-1,0,0,0,-2,0,0,0}(x_1(-$$

$$4x_2x_4y_1y_4 - 2x_4^2y_1y_2 + 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2) + y_2(-$$

$$2x_1^2x_4y_4 + 2x_4y_1^2y_4)) - ib^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 - 4x_5y_1y_2y_5) +$$

$$x_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5) + y_2(-x_1^2x_5^2 + x_1^2y_5^2 + x_5^2y_1^2 - y_1^2y_5^2)) +$$

$$b^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(4x_2x_5y_1y_5 - 2x_5^2y_1y_2 + 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 +$$

$$y_1^2y_5^2) + y_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5)) + ib^r_{-2,0,0,0,0,-1,0,-1,0,-1,0}(x_1(2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 -$$

$$2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(x_1^2x_4x_5 -$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5)) + b^r_{-2,0,0,0,0,-1,0,-1,0,-1,0}(x_1(-2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 -$$

$$2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 -$$

$$x_1^2x_5y_4 + x_4y_1^2y_5 + x_5y_1^2y_4)) - ib^r_{-2,0,0,0,0,-1,0,1,0,1,0}(x_1(-2x_3x_4x_5y_1 + 2x_3y_1y_4y_5 -$$

$$2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 +$$

$$x_1^2y_4y_5 + x_4x_5y_1^2 - y_1^2y_4y_5)) + b^r_{-2,0,0,0,0,-1,0,1,0,1,0}(x_1(2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 +$$

$$2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(x_1^2x_4y_5 + x_1^2x_5y_4 -$$

$$x_4y_1^2y_5 - x_5y_1^2y_4)) - ib^r_{-2,0,0,0,0,1,0,-1,0,1,0}(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 -$$

$$2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(x_1^2x_4x_5 + x_1^2y_4y_5 -$$

$$x_4x_5y_1^2 - y_1^2y_4y_5)) + b^r_{-2,0,0,0,0,1,0,-1,0,1,0}(x_1(2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 +$$

$$2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 + x_1^2x_5y_4 +$$

$$x_4y_1^2y_5 - x_5y_1^2y_4)) - ib^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) +$$

$$b^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) - ib^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(-2x_1x_2y_1 +$$

$$y_2(x_1^2 - y_1^2)) + b^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) - ib^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) + b^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) -$$

$$ib^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2+y_2^2)(-2x_1x_2y_1+y_2(x_1^2-y_1^2))+b^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2+y_2^2)(2x_1y_1y_2+$$
$$x_2(x_1^2-y_1^2))-ib^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2+y_1^2)(-2x_1x_2y_1+y_2(x_1^2-y_1^2))+b^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2+$$
$$y_1^2)(2x_1y_1y_2+x_2(x_1^2-y_1^2))+b^r_{-3,0,0,0,0,-2,0,0,0,0}(x_1^3x_3^2-x_1^3y_3^2-6x_1^2x_3y_1y_3+x_1(-$$
$$3x_3^2y_1^2+3y_1^2y_3^2)+2x_3y_1^3y_3)+ib^r_{-3,0,0,0,0,-2,0,0,0,0}(2x_1^3x_3y_3-6x_1x_3y_1^2y_3-x_3^3y_1^3+$$
$$y_1^3y_3^2+y_1(3x_1^2x_3^2-3x_1^2y_3^2))+b^r_{-3,0,0,0,0,0,-2,0,0,0}(x_1^3x_4^2-x_1^3y_4^2-6x_1^2x_4y_1y_4+x_1(-$$
$$3x_4^2y_1^2+3y_1^2y_4^2)+2x_4y_1^3y_4)+ib^r_{-3,0,0,0,0,0,-2,0,0,0}(2x_1^3x_4y_4-6x_1x_4y_1^2y_4-x_4^3y_1^3+$$
$$y_1^3y_4^2+y_1(3x_1^2x_4^2-3x_1^2y_4^2))+b^r_{-3,0,0,0,0,0,0,0,0,2,0}(x_1^3x_5^2-x_1^3y_5^2+6x_1^2x_5y_1y_5+x_1(-$$
$$3x_5^2y_1^2+3y_1^2y_5^2)-2x_5y_1^3y_5)-ib^r_{-3,0,0,0,0,0,0,0,0,2,0}(2x_1^3x_5y_5-6x_1x_5y_1^2y_5+x_5^3y_1^3-$$
$$y_1^3y_5^2+y_1(-3x_1^2x_5^2+3x_1^2y_5^2))+b^r_{-3,0,2,0,0,0,0,0,0,0}(x_1^3x_2^2-x_1^3y_2^2+6x_1^2x_2y_1y_2+x_1(-$$
$$3x_2^2y_1^2+3y_1^2y_2^2)-2x_2y_1^3y_2)-ib^r_{-3,0,2,0,0,0,0,0,0,0}(2x_1^3x_2y_2-6x_1x_2y_1^2y_2+x_2^3y_1^3-$$
$$y_1^3y_2^2+y_1(-3x_1^2x_2^2+3x_1^2y_2^2))+ib^r_{0,0,-1,0,-2,0,0,0,-2,0}(x_2(2x_3^2x_5y_5+2x_3x_5^2y_3-$$
$$2x_3y_3y_5^2-2x_5y_3^2y_5)+y_2(x_3^2x_5^2-x_3^2y_5^2-4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2))+$$
$$b^r_{0,0,-1,0,-2,0,0,0,-2,0}(x_2(x_3^2x_5^2-x_3^2y_5^2-4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_2(-2x_3^2x_5y_5-$$
$$2x_3x_5^2y_3+2x_3y_3y_5^2+2x_5y_3^2y_5))-ib^r_{0,0,-1,0,-2,0,2,0,0,0}(x_2(2x_3^2x_4y_4-2x_3x_4^2y_3+2x_3y_3y_4^2-$$
$$2x_4y_3^2y_4)+y_2(-x_3^2x_4^2+x_3^2y_4^2-4x_3x_4y_3y_4+x_4^2y_3^2-y_3^2y_4^2))+$$
$$b^r_{0,0,-1,0,-2,0,2,0,0,0}(x_2(x_3^2x_4^2-x_3^2y_4^2+4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2)+y_2(2x_3^2x_4y_4-$$
$$2x_3x_4^2y_3+2x_3y_3y_4^2-2x_4y_3^2y_4))+ib^r_{0,0,-1,0,0,0,-2,0,-2,0}(x_2(2x_4^2x_5y_5+2x_4x_5^2y_4-$$
$$2x_4y_4y_5^2-2x_5y_4^2y_5)+y_2(x_4^2x_5^2-x_4^2y_5^2-4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2))+$$
$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}(x_2(x_4^2x_5^2-x_4^2y_5^2-4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+y_2(-2x_4^2x_5y_5-$$
$$2x_4x_5^2y_4+2x_4y_4y_5^2+2x_5y_4^2y_5))+b^r_{0,0,-1,0,0,0,0,0,0,2}x_2(x_5^2+y_5^2)^2+ib^r_{0,0,-1,0,0,0,0,0,0,2}y_2(x_5^2+$$
$$y_5^2)^2+b^r_{0,0,-1,0,0,0,0,1,0,1}x_2(x_4^2+y_4^2)(x_5^2+y_5^2)+ib^r_{0,0,-1,0,0,0,0,1,0,1}y_2(x_4^2+y_4^2)(x_5^2+y_5^2)+$$
$$b^r_{0,0,-1,0,0,0,0,2,0,0}x_2(x_4^2+y_4^2)^2+ib^r_{0,0,-1,0,0,0,0,2,0,0}y_2(x_4^2+y_4^2)^2-ib^r_{0,0,-1,0,0,0,2,0,2,0}(x_2(2x_4^2x_5y_5+$$
$$2x_4x_5^2y_4-2x_4y_4y_5^2-2x_5y_4^2y_5)+y_2(-x_4^2x_5^2+x_4^2y_5^2+4x_4x_5y_4y_5+x_5^2y_4^2-$$
$$y_4^2y_5^2))+b^r_{0,0,-1,0,0,0,2,0,2,0}(x_2(x_4^2x_5^2-x_4^2y_5^2-4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+$$
$$y_2(2x_4^2x_5y_5+2x_4x_5^2y_4-2x_4y_4y_5^2-2x_5y_4^2y_5))+b^r_{0,0,-1,0,0,1,0,0,0,1}x_2(x_3^2+y_3^2)(x_5^2+y_5^2)+$$
$$ib^r_{0,0,-1,0,0,1,0,0,0,1}y_2(x_3^2+y_3^2)(x_5^2+y_5^2)+b^r_{0,0,-1,0,0,1,0,1,0,0}x_2(x_3^2+y_3^2)(x_4^2+y_4^2)+$$
$$ib^r_{0,0,-1,0,0,1,0,1,0,0}y_2(x_3^2+y_3^2)(x_4^2+y_4^2)+b^r_{0,0,-1,0,0,2,0,0,0,0}x_2(x_3^2+y_3^2)^2+$$
$$ib^r_{0,0,-1,0,0,2,0,0,0,0}y_2(x_3^2+y_3^2)^2+ib^r_{0,0,-1,0,2,0,-2,0,0,0}(x_2(2x_3^2x_4y_4-2x_3x_4^2y_3+2x_3y_3y_4^2-$$
$$2x_4y_3^2y_4)+y_2(x_3^2x_4^2-x_3^2y_4^2+4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2))+$$
$$b^r_{0,0,-1,0,2,0,-2,0,0,0}(x_2(x_3^2x_4^2-x_3^2y_4^2+4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2)+y_2(-2x_3^2x_4y_4+$$
$$2x_3x_4^2y_3-2x_3y_3y_4^2+2x_4y_3^2y_4))-ib^r_{0,0,-1,0,2,0,0,0,2,0}(x_2(2x_3^2x_5y_5+2x_3x_5^2y_3-2x_3y_3y_5^2-$$
$$2x_5y_3^2y_5)+y_2(-x_3^2x_5^2+x_3^2y_5^2+4x_3x_5y_3y_5+x_5^2y_3^2-y_3^2y_5^2))+$$
$$b^r_{0,0,-1,0,2,0,0,0,2,0}(x_2(x_3^2x_5^2-x_3^2y_5^2-4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_2(2x_3^2x_5y_5+$$
$$2x_3x_5^2y_3-2x_3y_3y_5^2-2x_5y_3^2y_5))+b^r_{0,0,-1,1,0,0,0,0,0,1}x_2(x_2^2+y_2^2)(x_5^2+y_5^2)+$$
$$ib^r_{0,0,-1,1,0,0,0,0,0,1}y_2(x_2^2+y_2^2)(x_5^2+y_5^2)+b^r_{0,0,-1,1,0,0,0,1,0,0}x_2(x_2^2+y_2^2)(x_4^2+y_4^2)+$$
$$ib^r_{0,0,-1,1,0,0,0,1,0,0}y_2(x_2^2+y_2^2)(x_4^2+y_4^2)+b^r_{0,0,-1,1,0,1,0,0,0,0}x_2(x_2^2+y_2^2)(x_3^2+y_3^2)+$$
$$ib^r_{0,0,-1,1,0,1,0,0,0,0}y_2(x_2^2+y_2^2)(x_3^2+y_3^2)+b^r_{0,0,-1,2,0,0,0,0,0,0}x_2(x_2^2+y_2^2)^2+$$
$$ib^r_{0,0,-1,2,0,0,0,0,0,0}y_2(x_2^2+y_2^2)^2+ib^r_{0,0,-2,0,-1,0,-1,0,-1,0}(x_2(2x_3x_4x_5y_2-2x_3y_2y_4y_5-2x_4y_2y_3y_5-$$
$$2x_5y_2y_3y_4)+x_3(x_2^2x_4y_5+x_2^2x_5y_4-x_4y_2^2y_5-x_5y_2^2y_4)+y_3(x_2^2x_4x_5-x_2^2y_4y_5-$$
$$x_4x_5y_2^2+y_2^2y_4y_5))+b^r_{0,0,-2,0,-1,0,-1,0,-1,0}(x_2(-2x_3x_4y_2y_5-2x_3x_5y_2y_4-2x_4x_5y_2y_3+$$
$$2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5-x_2^2y_4y_5-x_4x_5y_2^2+y_2^2y_4y_5)+y_3(-x_2^2x_4y_5-x_2^2x_5y_4+$$
$$x_4y_2^2y_5+x_5y_2^2y_4))-ib^r_{0,0,-2,0,-1,0,1,0,1,0}(x_2(-2x_3x_4x_5y_2+2x_3y_2y_4y_5-2x_4y_2y_3y_5-$$

$$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 + x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4) + y_3(-x_2^2x_4x_5 + x_2^2y_4y_5 +$$

$$x_4x_5y_2^2 - y_2^2y_4y_5)) + b_{0,0,-2,0,-1,0,1,0,1,0}^r(x_2(2x_3x_4y_2y_5 + 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 +$$

$$2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(x_2^2x_4y_5 + x_2^2x_5y_4 -$$

$$x_4y_2^2y_5 - x_5y_2^2y_4)) - ib_{0,0,-2,0,1,0,-1,0,1,0}^r(x_2(-2x_3x_4x_5y_2 - 2x_3y_2y_4y_5 + 2x_4y_2y_3y_5 -$$

$$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 + x_5y_2^2y_4) + y_3(x_2^2x_4x_5 + x_2^2y_4y_5 -$$

$$x_4x_5y_2^2 - y_2^2y_4y_5)) + b_{0,0,-2,0,1,0,-1,0,1,0}^r(x_2(2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 + 2x_4x_5y_2y_3 +$$

$$2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(-x_2^2x_4y_5 + x_2^2x_5y_4 +$$

$$x_4y_2^2y_5 - x_5y_2^2y_4)) + b_{0,0,-3,0,-2,0,0,0,0,0}^r(x_2^3x_3^2 - x_2^3y_3^2 - 6x_2^2x_3y_2y_3 + x_2(-3x_3^2y_2^2 +$$

$$3y_2^2y_3^2) + 2x_3y_2^3y_3) + ib_{0,0,-3,0,-2,0,0,0,0,0}^r(2x_2^3x_3y_3 - 6x_2x_3y_2^2y_3 - x_2^3y_3^3 + y_2^3y_3^3 +$$

$$y_2(3x_2^2x_3^2 - 3x_2^2y_3^2)) + b_{0,0,-3,0,0,0,-2,0,0,0}^r(x_2^3x_4^2 - x_2^3y_4^2 - 6x_2^2x_4y_2y_4 + x_2(-3x_4^2y_2^2 +$$

$$3y_2^2y_4^2) + 2x_4y_2^3y_4) + ib_{0,0,-3,0,0,0,-2,0,0,0}^r(2x_2^3x_4y_4 - 6x_2x_4y_2^2y_4 - x_2^3y_4^3 + y_2^3y_4^3 +$$

$$y_2(3x_2^2x_4^2 - 3x_2^2y_4^2)) + b_{0,0,-3,0,0,0,0,0,2,0}^r(x_2^3x_5^2 - x_2^3y_5^2 + 6x_2^2x_5y_2y_5 + x_2(-3x_5^2y_2^2 +$$

$$3y_2^2y_5^2) - 2x_5y_2^3y_5) - ib_{0,0,-3,0,0,0,0,0,2,0}^r(2x_2^3x_5y_5 - 6x_2x_5y_2^2y_5 + x_5^2y_2^3 - y_2^3y_5^2 + y_2(-$$

$$3x_2^2x_5^2 + 3x_2^2y_5^2)) + b_{0,0,0,0,-1,0,-1,0,-3,0}^r(x_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3) + y_3(-$$

$$3x_4x_5^2y_5 + x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2)) + ib_{0,0,0,0,-1,0,-1,0,-3,0}^r(x_3(3x_4x_5^2y_5 - x_4y_5^3 + x_5^3y_4 -$$

$$3x_5y_4y_5^2) + y_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3)) + b_{0,0,0,0,-1,0,-1,0,3,0}^r(x_3(x_4x_5^3 -$$

$$3x_4x_5y_5^2 + 3x_5^2y_4y_5 - y_4y_5^3) + y_3(3x_4x_5^2y_5 - x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2)) -$$

$$ib_{0,0,0,0,-1,0,-1,0,3,0}^r(x_3(3x_4x_5^2y_5 - x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2) + y_3(-x_4x_5^3 + 3x_4x_5y_5^2 -$$

$$3x_5^2y_4y_5 + y_4y_5^3)) + b_{0,0,0,0,-1,0,-3,0,1,0}^r(x_3(x_4^3x_5 + 3x_4^2y_4y_5 - 3x_4x_5y_4^2 - y_4^3y_5) + y_3(x_4^3y_5 -$$

$$3x_4^2x_5y_4 - 3x_4y_4^2y_5 + x_5y_4^3)) - ib_{0,0,0,0,-1,0,-3,0,1,0}^r(x_3(x_4^3y_5 - 3x_4^2x_5y_4 - 3x_4y_4^2y_5 +$$

$$x_5y_4^3) + y_3(-x_4^3x_5 - 3x_4^2y_4y_5 + 3x_4x_5y_4^2 + y_4^3y_5)) + b_{0,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4x_5 +$$

$$y_4y_5) + y_3(-x_4y_5 + x_5y_4)) + ib_{0,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) +$$

$$b_{0,0,0,0,-1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) + ib_{0,0,0,0,-1,0,1,1,-1,0}^r(x_4^2 +$$

$$y_4^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b_{0,0,0,0,-1,0,3,0,1,0}^r(x_3(x_4^3x_5 - 3x_4^2y_4y_5 - 3x_4x_5y_4^2 +$$

$$y_4^3y_5) + y_3(x_4^3y_5 + 3x_4^2x_5y_4 - 3x_4y_4^2y_5 - x_5y_4^3)) - ib_{0,0,0,0,-1,0,3,0,1,0}^r(x_3(x_4^3y_5 +$$

$$3x_4^2x_5y_4 - 3x_4y_4^2y_5 - x_5y_4^3) + y_3(-x_4^3x_5 + 3x_4^2y_4y_5 + 3x_4x_5y_4^2 - y_4^3y_5)) +$$

$$b_{0,0,0,0,-1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) + ib_{0,0,0,0,-1,1,1,0,-1,0}^r(x_3^2 +$$

$$y_3^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b_{0,0,0,0,-3,0,-1,0,1,0}^r(x_3(-3x_4x_5y_3^2 - 3y_3^2y_4y_5) +$$

$$x_4(x_3^3x_5 - y_3^3y_5) + y_3(3x_3^2x_4y_5 - 3x_3^2x_5y_4) + y_4(x_3^3y_5 + x_5y_3^3)) - ib_{0,0,0,0,-3,0,-1,0,1,0}^r(x_3(-$$

$$3x_4y_3^2y_5 + 3x_5y_3^2y_4) + x_4(x_3^3y_5 + x_5y_3^3) + y_3(-3x_3^2x_4x_5 - 3x_3^2y_4y_5) + y_4(-x_3^3x_5 +$$

$$y_3^3y_5)) + b_{0,0,0,0,1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) + ib_{0,0,0,0,1,0,-1,0,-1,1}^r(x_5^2 +$$

$$y_5^2)(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) + b_{0,0,0,0,1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 +$$

$$x_5y_4)) + ib_{0,0,0,0,1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) + b_{0,0,0,0,1,0,1,0,1,1}^r(x_5^2 +$$

$$y_5^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - ib_{0,0,0,0,1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_3(x_4y_5 + x_5y_4) +$$

$$y_3(x_4x_5 - y_4y_5)) + b_{0,0,0,0,1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) -$$

$$ib_{0,0,0,0,1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b_{0,0,0,0,1,1,-1,0,-1,0}^r(x_3^2 +$$

$$y_3^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) + ib_{0,0,0,0,1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_3(x_4y_5 + x_5y_4) + y_3(-$$

$$x_4x_5 + y_4y_5)) + b_{0,0,0,0,1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) -$$

$$ib_{0,0,0,0,1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b_{0,0,0,0,3,0,-1,0,1,0}^r(x_3(-3x_4x_5y_3^2 -$$

$$3y_3^2y_4y_5) + x_4(x_3^3x_5 + y_3^3y_5) + y_3(-3x_3^2x_4y_5 + 3x_3^2x_5y_4) + y_4(x_3^3y_5 - x_5y_3^3)) -$$

$$ib_{0,0,0,0,3,0,-1,0,1,0}^r(x_3(-3x_4y_3^2y_5 + 3x_5y_3^2y_4) + x_4(x_3^3y_5 - x_5y_3^3) + y_3(3x_3^2x_4x_5 + 3x_3^2y_4y_5) +$$

$$y_4(-x_3^3x_5 - y_3^3y_5)) + b_{0,0,0,1,-1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) +$$

$$ib^r_{0,0,0,1,-1,0,1,0,-1,0}(x_2^2+y_2^2)(x_3(x_4y_5-x_5y_4)+y_3(x_4x_5+y_4y_5))+b^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2+$$
$$y_2^2)(x_3(x_4x_5-y_4y_5)+y_3(x_4y_5+x_5y_4))+ib^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2+y_2^2)(x_3(x_4y_5+x_5y_4)+y_3(-$$
$$x_4x_5+y_4y_5))+b^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2+y_2^2)(x_3(x_4x_5-y_4y_5)+y_3(-x_4y_5-x_5y_4))-$$
$$ib^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2+y_2^2)(x_3(x_4y_5+x_5y_4)+y_3(x_4x_5-y_4y_5))+ib^r_{0,0,0,1,0,-2,0,-2,0,0,0}(x_2(2x_3^2x_4y_4+$$
$$2x_3x_4^2y_3-2x_3y_3y_4^2-2x_4y_3^2y_4)+y_2(-x_3^2x_4^2+x_3^2y_4^2+4x_3x_4y_3y_4+x_4^2y_3^2-$$
$$y_3^2y_4^2))+b^r_{0,0,1,0,-2,0,-2,0,0,0}(x_2(x_3^2x_4^2-x_3^2y_4^2-4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2)+$$
$$y_2(2x_3^2x_4y_4+2x_3x_4^2y_3-2x_3y_3y_4^2-2x_4y_3^2y_4))-ib^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(2x_3^2x_5y_5-$$
$$2x_3x_5^2y_3+2x_3y_3y_5^2-2x_5y_3^2y_5)+y_2(x_3^2x_5^2-x_3^2y_5^2+4x_3x_5y_3y_5-x_5^2y_3^2+$$
$$y_3^2y_5^2))+b^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(x_3^2x_5^2-x_3^2y_5^2+4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_2(-$$
$$2x_3^2x_5y_5+2x_3x_5^2y_3-2x_3y_3y_5^2+2x_5y_3^2y_5))+ib^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(4x_3^3y_3-4x_3y_3^3)+y_2(-$$
$$x_3^4+6x_3^2y_3^2-y_3^4))+b^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(x_3^4-6x_3^2y_3^2+y_3^4)+y_2(4x_3^3y_3-4x_3y_3^3))-$$
$$ib^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(2x_4^2x_5y_5-2x_4x_5^2y_4+2x_4y_4y_5^2-2x_5y_4^2y_5)+y_2(x_4^2x_5^2-x_4^2y_5^2+$$
$$4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2))+b^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(x_4^2x_5^2-x_4^2y_5^2+4x_4x_5y_4y_5-$$
$$x_5^2y_4^2+y_4^2y_5^2)+y_2(-2x_4^2x_5y_5+2x_4x_5^2y_4-2x_4y_4y_5^2+2x_5y_4^2y_5))+$$
$$ib^r_{0,0,1,0,0,0,-4,0,0,0}(x_2(4x_4^3y_4-4x_4y_4^3)+y_2(-x_4^4+6x_4^2y_4^2-y_4^4))+b^r_{0,0,1,0,0,0,-4,0,0,0}(x_2(x_4^4-$$
$$6x_4^2y_4^2+y_4^4)+y_2(4x_4^3y_4-4x_4y_4^3))+b^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2+y_5^2)(x_2(x_5^2-y_5^2)+2x_5y_2y_5)+$$
$$ib^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2+y_5^2)(2x_2x_5y_5+y_2(-x_5^2+y_5^2))-ib^r_{0,0,1,0,0,0,0,0,4,0}(x_2(4x_5^3y_5-4x_5y_5^3)+$$
$$y_2(x_5^4-6x_5^2y_5^2+y_5^4))+b^r_{0,0,1,0,0,0,0,0,4,0}(x_2(x_5^4-6x_5^2y_5^2+y_5^4)+y_2(-4x_5^3y_5+4x_5y_5^3))+$$
$$b^r_{0,0,1,0,0,0,0,1,-2,0}(x_4^2+y_4^2)(x_2(x_5^2-y_5^2)+2x_5y_2y_5)+ib^r_{0,0,1,0,0,0,0,1,-2,0}(x_4^2+y_4^2)(2x_2x_5y_5+y_2(-$$
$$x_5^2+y_5^2))+b^r_{0,0,1,0,0,0,2,0,0,1}(x_5^2+y_5^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)-ib^r_{0,0,1,0,0,0,2,0,0,1}(x_5^2+$$
$$y_5^2)(2x_2x_4y_4+y_2(x_4^2-y_4^2))+b^r_{0,0,1,0,0,0,2,1,0,0}(x_4^2+y_4^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)-$$
$$ib^r_{0,0,1,0,0,0,2,1,0,0}(x_4^2+y_4^2)(2x_2x_4y_4+y_2(x_4^2-y_4^2))+b^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2+y_3^2)(x_2(x_5^2-y_5^2)+$$
$$2x_5y_2y_5)+ib^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2+y_3^2)(2x_2x_5y_5+y_2(-x_5^2+y_5^2))+b^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2+$$
$$y_3^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)-ib^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2+y_3^2)(2x_2x_4y_4+y_2(x_4^2-y_4^2))+$$
$$b^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2+y_5^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)-ib^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2+y_5^2)(2x_2x_3y_3+$$
$$y_2(x_3^2-y_3^2))+b^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)-ib^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2+$$
$$y_4^2)(2x_2x_3y_3+y_2(x_3^2-y_3^2))+b^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)-$$
$$ib^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2+y_3^2)(2x_2x_3y_3+y_2(x_3^2-y_3^2))+b^r_{0,0,1,1,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_2(x_5^2-y_5^2)+$$
$$2x_5y_2y_5)+ib^r_{0,0,1,1,0,0,0,0,-2,0}(x_2^2+y_2^2)(2x_2x_5y_5+y_2(-x_5^2+y_5^2))+b^r_{0,0,1,1,0,0,2,0,0,0}(x_2^2+$$
$$y_2^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)-ib^r_{0,0,1,1,0,0,2,0,0,0}(x_2^2+y_2^2)(2x_2x_4y_4+y_2(x_4^2-y_4^2))+$$
$$b^r_{0,0,1,1,2,0,0,0,0,0}(x_2^2+y_2^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)-ib^r_{0,0,1,1,2,0,0,0,0,0}(x_2^2+y_2^2)(2x_2x_3y_3+$$
$$y_2(x_3^2-y_3^2))-ib^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(2x_3x_4x_5y_2+2x_3y_2y_4y_5+2x_4y_2y_3y_5-2x_5y_2y_3y_4)+$$
$$x_3(x_2^2x_4y_5-x_2^2x_5y_4-x_4y_2^2y_5+x_5y_2^2y_4)+y_3(-x_2^2x_4x_5-x_2^2y_4y_5+x_4x_5y_2^2+$$
$$y_2^2y_4y_5))+b^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(-2x_3x_4y_2y_5+2x_3x_5y_2y_4+2x_4x_5y_2y_3+2y_2y_3y_4y_5)+$$
$$x_3(x_2^2x_4x_5+x_2^2y_4y_5-x_4x_5y_2^2-y_2^2y_4y_5)+y_3(x_2^2x_4y_5-x_2^2x_5y_4-x_4y_2^2y_5+$$
$$x_5y_2^2y_4))+ib^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(-2x_3x_4x_5y_2-2x_3y_2y_4y_5-2x_4y_2y_3y_5+2x_5y_2y_3y_4)+$$
$$x_3(x_2^2x_4y_5-x_2^2x_5y_4-x_4y_2^2y_5+x_5y_2^2y_4)+y_3(-x_2^2x_4x_5-x_2^2y_4y_5+x_4x_5y_2^2+$$
$$y_2^2y_4y_5))+b^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(2x_3x_4y_2y_5-2x_3x_5y_2y_4-2x_4x_5y_2y_3-2y_2y_3y_4y_5)+$$
$$x_3(x_2^2x_4x_5+x_2^2y_4y_5-x_4x_5y_2^2-y_2^2y_4y_5)+y_3(x_2^2x_4y_5-x_2^2x_5y_4-x_4y_2^2y_5+$$
$$x_5y_2^2y_4))+b^r_{0,0,3,0,-2,0,0,0,0,0}(x_2^3x_3^2-x_2^3y_3^2+6x_2^2x_3y_2y_3+x_2(-3x_3^2y_2^2+3y_2^2y_3^2)-$$
$$2x_3y_3y_2^3y_3)+ib^r_{0,0,3,0,-2,0,0,0,0,0}(2x_2^3x_3y_3-6x_2x_3y_2^2y_3+x_3^2y_2^3-y_3^2y_2^3+y_2(-3x_2^2x_3^2+$$
$$3x_2^2y_3^2))+b^r_{0,0,3,0,0,0,-2,0,0,0}(x_2^3x_4^2-x_2^3y_4^2+6x_2^2x_4y_2y_4+x_2(-3x_4^2y_2^2+3y_2^2y_4^2)-$$

$$2x_4y_2^3y_4) + ib_{0,0,3,0,0,0,0,-2,0,0,0,0}^r(2x_2^3x_4y_4 - 6x_2x_4y_2^2y_4 + x_4^2y_2^3 - y_2^3y_4^2 + y_2(-3x_2^2x_4^2 +$$

$$3x_2^2y_4^2)) + b_{0,0,3,0,0,0,0,0,0,2,0}^r(x_2^3x_5^2 - x_2^3y_5^2 - 6x_2^2x_5y_2y_5 + x_2(-3x_5^2y_2^2 + 3y_2^2y_5^2) +$$

$$2x_5y_2^3y_5) - ib_{0,0,3,0,0,0,0,0,0,2,0}^r(2x_2^3x_5y_5 - 6x_2x_5y_2^2y_5 - x_5^2y_2^3 + y_2^3y_5^2 + y_2(3x_2^2x_5^2 -$$

$$3x_2^2y_5^2)) + b_{0,0,5,0,0,0,0,0,0,0,0}^r x_2(x_2^4 - 10x_2^2y_2^2 + 5y_2^4) - ib_{0,0,5,0,0,0,0,0,0,0,0}^r y_2(5x_2^4 - 10x_2^2y_2^2 +$$

$$y_2^4) + b_{0,1,-1,0,0,0,0,0,0,0,1}^r x_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) + ib_{0,1,-1,0,0,0,0,0,0,0,1}^r y_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$

$$b_{0,1,-1,0,0,0,0,0,1,0,0}^r x_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) + ib_{0,1,-1,0,0,0,0,0,1,0,0}^r y_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$b_{0,1,-1,0,0,1,0,0,0,0,0}^r x_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) + ib_{0,1,-1,0,0,1,0,0,0,0,0}^r y_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$

$$b_{0,1,-1,1,0,0,0,0,0,0,0}^r x_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) + ib_{0,1,-1,1,0,0,0,0,0,0,0}^r y_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) +$$

$$b_{0,1,0,0,-1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) + ib_{0,1,0,0,-1,0,1,0,-1,0}^r(x_1^2 +$$

$$y_1^2)(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) + b_{0,1,0,0,1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 +$$

$$x_5y_4)) + ib_{0,1,0,0,1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) + b_{0,1,0,0,1,0,1,0,1,0}^r(x_1^2 +$$

$$y_1^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - ib_{0,1,0,0,1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_3(x_4y_5 + x_5y_4) +$$

$$y_3(x_4x_5 - y_4y_5)) + b_{0,1,1,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) + ib_{0,1,1,0,0,0,0,0,-2,0}^r(x_1^2 +$$

$$y_1^2)(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) + b_{0,1,1,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) -$$

$$ib_{0,1,1,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) + b_{0,1,1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_3^2 - y_3^2) -$$

$$2x_3y_2y_3) - ib_{0,1,1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) + b_{0,2,-1,0,0,0,0,0,0,0}^r x_2(x_1^2 + y_1^2)^2 +$$

$$ib_{0,2,-1,0,0,0,0,0,0,0,0}^r y_2(x_1^2 + y_1^2)^2 + b_{1,0,-1,0,-1,0,1,0,-1,0}^r(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 +$$

$$x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 +$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) +$$

$$ib_{1,0,-1,0,-1,0,1,0,-1,0}^r(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 -$$

$$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) + b_{1,0,-1,0,1,0,-1,0,-1,0}^r(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 +$$

$$x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)) +$$

$$ib_{1,0,-1,0,1,0,-1,0,-1,0}^r(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 +$$

$$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) + b_{1,0,-1,0,1,0,1,0,1,0}^r(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 -$$

$$x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4)) -$$

$$ib_{1,0,-1,0,1,0,1,0,1,0}^r(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 +$$

$$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) + b_{1,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) +$$

$$ib_{1,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1(x_2^2 -$$

$$y_2^2) + 2x_2y_1y_2) + ib_{1,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,-2,0,0,1,0,0,0,0}^r(x_3^2 +$$

$$y_3^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) + ib_{1,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) +$$

$$b_{1,0,-2,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) + ib_{1,0,-2,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(2x_1x_2y_2 + y_1(-$$

$$x_2^2 + y_2^2)) + ib_{1,0,0,0,-2,0,-2,0,0,0}^r(x_1(2x_3^3x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 - 2x_4y_3^2y_4) + y_1(-$$

$$x_3^2x_4^2 + x_3^2y_4^2 + 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) + b_{1,0,0,0,-2,0,-2,0,0,0}^r(x_1(x_3^2x_4^2 -$$

$$x_3^2y_4^2 - 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_1(2x_3^3x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 -$$

$$2x_4y_3^2y_4)) - ib_{1,0,0,0,-2,0,0,0,2,0}^r(x_1(2x_3^2x_5y_5 - 2x_3x_5^2y_3 + 2x_3y_3y_5^2 - 2x_5y_3^2y_5) +$$

$$y_1(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) + b_{1,0,0,0,-2,0,0,0,2,0}^r(x_1(x_3^2x_5^2 -$$

$$x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_1(-2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 +$$

$$2x_5y_3^2y_5)) + ib_{1,0,0,0,-4,0,0,0,0,0}^r(x_1(4x_3^3y_3 - 4x_3y_3^3) + y_1(-x_3^4 + 6x_3^2y_3^2 - y_3^4)) +$$

$$b^r_{1,0,0,0,-4,0,0,0,0,0}(x_1(x_3^4 - 6x_3^2y_3^2 + y_3^4) + y_1(4x_3^3y_3 - 4x_3y_3^3)) -$$

$$ib^r_{1,0,0,0,0,0,-2,0,2,0}(x_1(2x_4^2x_5y_5 - 2x_4x_5^2y_4 + 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(x_4^2x_5^2 - x_4^2y_5^2 +$$

$$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b^r_{1,0,0,0,0,0,-2,0,2,0}(x_1(x_4^2x_5^2 - x_4^2y_5^2 + 4x_4x_5y_4y_5 -$$

$$x_5^2y_4^2 + y_4^2y_5^2) + y_1(-2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) +$$

$$ib^r_{1,0,0,0,0,0,-4,0,0,0}(x_1(4x_4^3y_4 - 4x_4y_4^3) + y_1(-x_4^4 + 6x_4^2y_4^2 - y_4^4)) + b^r_{1,0,0,0,0,0,-4,0,0,0}(x_1(x_4^4 -$$

$$6x_4^2y_4^2 + y_4^4) + y_1(4x_4^3y_4 - 4x_4y_4^3)) + b^r_{1,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) +$$

$$ib^r_{1,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) - ib^r_{1,0,0,0,0,0,0,0,4,0}(x_1(4x_5^3y_5 - 4x_5y_5^3) +$$

$$y_1(x_5^4 - 6x_5^2y_5^2 + y_5^4)) + b^r_{1,0,0,0,0,0,0,0,4,0}(x_1(x_5^4 - 6x_5^2y_5^2 + y_5^4) + y_1(-4x_5^3y_5 + 4x_5y_5^3)) +$$

$$b^r_{1,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) + ib^r_{1,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(2x_1x_5y_5 + y_1(-$$

$$x_5^2 + y_5^2)) + b^r_{1,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) - ib^r_{1,0,0,0,0,0,2,0,0,1}(x_5^2 +$$

$$y_5^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b^r_{1,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) -$$

$$ib^r_{1,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b^r_{1,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1(x_5^2 - y_5^2) +$$

$$2x_5y_1y_5) + ib^r_{1,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,0,0,0,0,1,2,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) - ib^r_{1,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) +$$

$$b^r_{1,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) - ib^r_{1,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_3y_3 +$$

$$y_1(x_3^2 - y_3^2)) + b^r_{1,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) - ib^r_{1,0,0,0,2,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) + b^r_{1,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) -$$

$$ib^r_{1,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) + b^r_{1,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1(x_5^2 - y_5^2) +$$

$$2x_5y_1y_5) + ib^r_{1,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b^r_{1,0,0,1,0,0,2,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) - ib^r_{1,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) +$$

$$b^r_{1,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) - ib^r_{1,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_3y_3 +$$

$$y_1(x_3^2 - y_3^2)) + b^r_{1,0,1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 -$$

$$x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 +$$

$$x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) - ib^r_{1,0,1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4y_5 -$$

$$x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) +$$

$$y_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 +$$

$$y_2y_3y_4y_5)) + b^r_{1,0,1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 -$$

$$x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) + ib^r_{1,0,1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 -$$

$$x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) +$$

$$ib^r_{1,0,2,0,-2,0,0,0,0,0}(x_1(2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 - 2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 -$$

$$4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2)) + b^r_{1,0,2,0,-2,0,0,0,0,0}(x_1(x_2^2x_3^2 - x_2^2y_3^2 + 4x_2x_3y_2y_3 -$$

$$x_3^2y_2^2 + y_2^2y_3^2) + y_1(2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 - 2x_3y_2^2y_3)) +$$

$$ib^r_{1,0,2,0,0,0,-2,0,0,0}(x_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2 -$$

$$4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) + b^r_{1,0,2,0,0,0,-2,0,0,0}(x_1(x_2^2x_4^2 - x_2^2y_4^2 + 4x_2x_4y_2y_4 -$$

$$x_4^2y_2^2 + y_2^2y_4^2) + y_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4)) -$$

$$ib^r_{1,0,2,0,0,0,0,0,2,0}(x_1(2x_2^2x_5y_5 + 2x_2x_5^2y_2 - 2x_2y_2y_5^2 - 2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 -$$

$$4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2)) + b^r_{1,0,2,0,0,0,0,0,2,0}(x_1(x_2^2x_5^2 - x_2^2y_5^2 - 4x_2x_5y_2y_5 -$$

$$x_5^2y_2^2 + y_2^2y_5^2) + y_1(-2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 + 2x_5y_2^2y_5)) -$$

$$ib^r_{1,0,4,0,0,0,0,0,0,0}(x_1(4x_2^3y_2 - 4x_2y_2^3) + y_1(x_2^4 - 6x_2^2y_2^2 + y_2^4)) + b^r_{1,0,4,0,0,0,0,0,0,0}(x_1(x_2^4 -$$

$$6x_2^2y_2^2 + y_2^4) + y_1(-4x_2^3y_2 + 4x_2y_2^3)) + b^r_{1,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) +$$

$$ib^r_{1,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1(x_5^2 -$$

$$y_5^2) + 2x_5y_1y_5) + ib_{1,1,0,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) + b_{1,1,0,0,0,0,2,0,0,0}^r(x_1^2 +$$

$$y_1^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) - ib_{1,1,0,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) +$$

$$b_{1,1,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) - ib_{1,1,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_3y_3 +$$

$$y_1(x_3^2 - y_3^2)) + ib_{2,0,-1,0,0,0,0,0,-2,0}^r(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 + 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5 -$$

$$2x_5y_1^2y_5) + y_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2)) + b_{2,0,-1,0,0,0,0,0,-2,0}^r(x_1(4x_2x_5y_1y_5 +$$

$$2x_5^2y_1y_2 - 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(-2x_1^2x_5y_5 +$$

$$2x_5y_1^2y_5)) - ib_{2,0,-1,0,0,0,0,2,0,0,0}^r(x_1(2x_2x_4^2y_1 - 2x_2y_1y_4^2 + 4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 -$$

$$2x_4y_1^2y_4) + y_2(-x_1^2x_4^2 + x_1^2y_4^2 + x_4^2y_1^2 - y_1^2y_4^2)) + b_{2,0,-1,0,0,0,2,0,0,0}^r(x_1(-4x_2x_4y_1y_4 +$$

$$2x_4^2y_1y_2 - 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2) + y_2(2x_1^2x_4y_4 -$$

$$2x_4y_1^2y_4)) - ib_{2,0,-1,0,2,0,0,0,0,0}^r(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 + 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3 -$$

$$2x_3y_1^2y_3) + y_2(-x_1^2x_3^2 + x_1^2y_3^2 + x_3^2y_1^2 - y_1^2y_3^2)) + b_{2,0,-1,0,2,0,0,0,0,0}^r(x_1(-4x_2x_3y_1y_3 +$$

$$2x_3^2y_1y_2 - 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(2x_1^2x_3y_3 -$$

$$2x_3y_1^2y_3)) + b_{2,0,-3,0,0,0,0,0,0,0}^r(x_1^2x_2^3 + x_1(6x_2^2y_1y_2 - 2y_1y_2^3) - x_2^3y_1^2 + x_2(-3x_1^2y_2^2 +$$

$$3y_1^2y_2^2)) + ib_{2,0,-3,0,0,0,0,0,0,0}^r(-x_1^2y_2^3 + x_1(-2x_2^3y_1 + 6x_2y_1y_2^2) + y_1^2y_2^3 + y_2(3x_1^2x_2^2 -$$

$$3x_2^2y_1^2)) - ib_{2,0,0,0,-1,0,-1,0,1,0}^r(x_1(2x_3x_4x_5y_1 + 2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) +$$

$$x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 - x_1^2y_4y_5 + x_4x_5y_1^2 +$$

$$y_1^2y_4y_5)) + b_{2,0,0,0,-1,0,-1,0,1,0}^r(x_1(-2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) +$$

$$x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 +$$

$$x_5y_1^2y_4)) + ib_{2,0,0,0,1,0,1,0,-1,0}^r(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 - 2x_4y_1y_3y_5 + 2x_5y_1y_3y_4) +$$

$$x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 - x_1^2y_4y_5 + x_4x_5y_1^2 +$$

$$y_1^2y_4y_5)) + b_{2,0,0,0,1,0,1,0,-1,0}^r(x_1(2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$$

$$x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 +$$

$$x_5y_1^2y_4)) + ib_{2,0,1,0,-2,0,0,0,0,0}^r(x_1(-2x_2x_3^2y_1 + 2x_2y_1y_3^2 - 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3 -$$

$$2x_3y_1^2y_3) + y_2(-x_1^2x_3^2 + x_1^2y_3^2 + x_3^2y_1^2 - y_1^2y_3^2)) + b_{2,0,1,0,-2,0,0,0,0,0}^r(x_1(4x_2x_3y_1y_3 -$$

$$2x_3^2y_1y_2 + 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(2x_1^2x_3y_3 -$$

$$2x_3y_1^2y_3)) + ib_{2,0,1,0,0,0,-2,0,0,0}^r(x_1(-2x_2x_4^2y_1 + 2x_2y_1y_4^2 - 4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 -$$

$$2x_4y_1^2y_4) + y_2(-x_1^2x_4^2 + x_1^2y_4^2 + x_4^2y_1^2 - y_1^2y_4^2)) + b_{2,0,1,0,0,0,-2,0,0,0}^r(x_1(4x_2x_4y_1y_4 -$$

$$2x_4^2y_1y_2 + 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2) + y_2(2x_1^2x_4y_4 -$$

$$2x_4y_1^2y_4)) - ib_{2,0,1,0,0,0,0,0,0,2,0}^r(x_1(2x_2x_5^2y_1 - 2x_2y_1y_5^2 - 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5 -$$

$$2x_5y_1^2y_5) + y_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2)) + b_{2,0,1,0,0,0,0,0,0,2,0}^r(x_1(-4x_2x_5y_1y_5 -$$

$$2x_5^2y_1y_2 + 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(-2x_1^2x_5y_5 +$$

$$2x_5y_1^2y_5)) + b_{2,0,3,0,0,0,0,0,0,0}^r(x_1^2x_2^3 + x_1(-6x_2^2y_1y_2 + 2y_1y_2^3) - x_2^3y_1^2 + x_2(-3x_1^2y_2^2 +$$

$$3y_1^2y_2^2)) - ib_{2,0,3,0,0,0,0,0,0,0}^r(-x_1^2y_2^3 + x_1(2x_2^3y_1 - 6x_2y_1y_2^2) + y_1^2y_2^3 + y_2(3x_1^2x_2^2 -$$

$$3x_2^2y_1^2)) + b_{3,0,0,0,-2,0,0,0,0,0}^r(x_1^3x_3^2 - x_1^3y_3^2 + 6x_1^2x_3y_1y_3 + x_1(-3x_3^2y_1^2 + 3y_1^2y_3^2) -$$

$$2x_3y_1^3y_3) + ib_{3,0,0,0,-2,0,0,0,0,0}^r(2x_1^3x_3y_3 - 6x_1x_3y_1^2y_3 + x_3^3y_1^3 - y_1^3y_3^2 + y_1(-3x_1^2x_3^2 +$$

$$3x_1^2y_3^2)) + b_{3,0,0,0,0,0,-2,0,0,0}^r(x_1^3x_4^2 - x_1^3y_4^2 + 6x_1^2x_4y_1y_4 + x_1(-3x_4^2y_1^2 + 3y_1^2y_4^2) -$$

$$2x_4y_1^3y_4) + ib_{3,0,0,0,0,0,-2,0,0,0}^r(2x_1^3x_4y_4 - 6x_1x_4y_1^2y_4 + x_4^3y_1^3 - y_1^3y_4^2 + y_1(-3x_1^2x_4^2 +$$

$$3x_1^2y_4^2)) + b_{3,0,0,0,0,0,0,0,0,2,0}^r(x_1^3x_5^2 - x_1^3y_5^2 - 6x_1^2x_5y_1y_5 + x_1(-3x_5^2y_1^2 + 3y_1^2y_5^2) +$$

$$2x_5y_1^3y_5) - ib_{3,0,0,0,0,0,0,0,0,2,0}^r(2x_1^3x_5y_5 - 6x_1x_5y_1^2y_5 - x_5^3y_1^3 + y_1^3y_5^2 + y_1(3x_1^2x_5^2 -$$

$$3x_1^2y_5^2)) + b_{3,0,2,0,0,0,0,0,0,0}^r(x_1^3x_2^2 - x_1^3y_2^2 - 6x_1^2x_2y_1y_2 + x_1(-3x_2^2y_1^2 + 3y_1^2y_2^2) +$$

$$2x_2y_1^3y_2) - ib_{3,0,2,0,0,0,0,0,0,0}^r(2x_1^3x_2y_2 - 6x_1x_2y_1^2y_2 - x_2^3y_1^3 + y_1^3y_2^2 + y_1(3x_1^2x_2^2 -$$

$$3x_1^2y_2^2)) - ib_{4,0,1,0,0,0,0,0,0,0,0}^r(4x_1^3x_2y_1 - 4x_1x_2y_1^3 + y_2(x_1^4 - 6x_1^2y_1^2 + y_1^4)) + b_{4,0,1,0,0,0,0,0,0,0,0}^r(-$$

$$4x_1^3y_1y_2 + 4x_1y_1^3y_2 + x_2(x_1^4 - 6x_1^2y_1^2 + y_1^4)) + b_{5,0,0,0,0,0,0,0,0,0,0,0}^r x_1(x_1^4 - 10x_1^2y_1^2 + 5y_1^4) -$$
$$ib_{5,0,0,0,0,0,0,0,0,0,0,0}^r y_1(5x_1^4 - 10x_1^2y_1^2 + y_1^4)$$

3.7 Order: 6

Number of fitting parameters: H_{++}: 234, H_{+-}: 438.

Polar e-coordinates:

$$H_{++}^{(6)} = a_{0,0,0,0,0,0,0,0,0,0,3}^r \rho_5^6 + a_{0,0,0,0,0,0,0,0,6,0}^r \rho_5^6 \cos(6\phi_5) + a_{0,0,0,0,0,0,0,0,1,0,2}^r \rho_4^2 \rho_5^4 +$$

$$a_{0,0,0,0,0,0,0,2,0,1}^r \rho_4^4 \rho_5^2 + a_{0,0,0,0,0,0,0,3,0,0}^r \rho_4^6 + a_{0,0,0,0,0,0,2,0,-4,0}^r \rho_4^2 \rho_5^4 \cos(2\phi_4 - 4\phi_5) +$$

$$a_{0,0,0,0,0,0,2,0,2,1}^r \rho_4^2 \rho_5^4 \cos(2\phi_4 + 2\phi_5) + a_{0,0,0,0,0,0,2,1,2,0}^r \rho_4^4 \rho_5^2 \cos(2\phi_4 + 2\phi_5) +$$

$$a_{0,0,0,0,0,0,4,0,-2,0}^r \rho_4^4 \rho_5^2 \cos(4\phi_4 - 2\phi_5) + a_{0,0,0,0,0,0,6,0,0,0}^r \rho_4^6 \cos(6\phi_4) +$$

$$a_{0,0,0,0,0,1,0,0,0,2}^r \rho_3^2 \rho_5^4 + a_{0,0,0,0,0,1,0,1,0,1}^r \rho_3^2 \rho_4^2 \rho_5^2 + a_{0,0,0,0,0,1,0,2,0,0}^r \rho_3^2 \rho_4^4 +$$

$$a_{0,0,0,0,0,1,2,0,2,0}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_4 + 2\phi_5) + a_{0,0,0,0,0,2,0,0,0,1}^r \rho_3^4 \rho_5^2 +$$

$$a_{0,0,0,0,0,2,0,1,0,0}^r \rho_3^4 \rho_4^2 + a_{0,0,0,0,0,3,0,0,0,0}^r \rho_3^6 + a_{0,0,0,0,2,0,-2,0,0,1}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_3 -$$

$$2\phi_4) + a_{0,0,0,0,2,0,-2,1,0,0}^r \rho_3^2 \rho_4^4 \cos(2\phi_3 - 2\phi_4) + a_{0,0,0,0,2,0,0,0,-4,0}^r \rho_3^2 \rho_5^4 \cos(2\phi_3 - 4\phi_5) +$$

$$a_{0,0,0,0,2,0,0,0,2,1}^r \rho_3^2 \rho_5^4 \cos(2\phi_3 + 2\phi_5) + a_{0,0,0,0,2,0,0,1,2,0}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_3 + 2\phi_5) +$$

$$a_{0,0,0,0,2,0,2,0,-2,0}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_3 + 2\phi_4 - 2\phi_5) + a_{0,0,0,0,2,0,4,0,0,0}^r \rho_3^2 \rho_4^4 \cos(2\phi_3 +$$

$$4\phi_4) + a_{0,0,0,0,2,1,-2,0,0,0}^r \rho_3^4 \rho_4^2 \cos(2\phi_3 - 2\phi_4) + a_{0,0,0,0,2,1,0,0,2,0}^r \rho_3^4 \rho_5^2 \cos(2\phi_3 + 2\phi_5) +$$

$$a_{0,0,0,0,4,0,0,0,-2,0}^r \rho_3^4 \rho_5^2 \cos(4\phi_3 - 2\phi_5) + a_{0,0,0,0,4,0,2,0,0,0}^r \rho_3^4 \rho_4^2 \cos(4\phi_3 + 2\phi_4) +$$

$$a_{0,0,0,0,6,0,0,0,0,0}^r \rho_3^6 \cos(6\phi_3) + a_{0,0,0,1,0,0,0,0,0,2}^r \rho_2^2 \rho_5^4 + a_{0,0,0,1,0,0,0,0,1,0,1}^r \rho_2^2 \rho_4^2 \rho_5^2 +$$

$$a_{0,0,0,1,0,0,0,2,0,0}^r \rho_2^2 \rho_4^4 + a_{0,0,0,1,0,0,2,0,2,0}^r \rho_2^2 \rho_4^2 \rho_5^2 \cos(2\phi_4 + 2\phi_5) +$$

$$a_{0,0,0,1,0,1,0,0,0,1}^r \rho_2^2 \rho_3^2 \rho_5^2 + a_{0,0,0,1,0,1,0,1,0,1,0}^r \rho_2^2 \rho_3^2 \rho_4^2 + a_{0,0,0,1,0,2,0,0,0,0}^r \rho_2^2 \rho_3^4 +$$

$$a_{0,0,0,1,2,0,-2,0,0,0}^r \rho_2^2 \rho_3^2 \rho_4^2 \cos(2\phi_3 - 2\phi_4) + a_{0,0,0,1,2,0,0,0,2,0}^r \rho_2^2 \rho_3^2 \rho_5^2 \cos(2\phi_3 +$$

$$2\phi_5) + a_{0,0,0,2,0,0,0,0,0,1}^r \rho_2^4 \rho_5^2 + a_{0,0,0,2,0,0,0,1,0,0}^r \rho_2^4 \rho_4^2 + a_{0,0,0,2,0,1,0,0,0,0}^r \rho_2^4 \rho_3^2 +$$

$$a_{0,0,0,3,0,0,0,0,0,0}^r \rho_2^6 + a_{0,0,1,0,-1,0,-1,0,-3,0}^r \rho_2 \rho_3 \rho_4 \rho_5^3 \cos(-\phi_2 + \phi_3 + \phi_4 + 3\phi_5) +$$

$$a_{0,0,1,0,-1,0,-1,0,3,0}^r \rho_2 \rho_3 \rho_4 \rho_5^3 \cos(\phi_2 - \phi_3 - \phi_4 + 3\phi_5) +$$

$$a_{0,0,1,0,-1,0,-3,0,1,0}^r \rho_2 \rho_3 \rho_4^3 \rho_5 \cos(\phi_2 - \phi_3 - 3\phi_4 + \phi_5) +$$

$$a_{0,0,1,0,-1,0,1,0,-1,1}^r \rho_2 \rho_3 \rho_4 \rho_5^3 \cos(\phi_2 - \phi_3 + \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,-1,0,1,1,-1,0}^r \rho_2 \rho_3 \rho_4^3 \rho_5 \cos(\phi_2 - \phi_3 + \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,-1,0,3,0,1,0}^r \rho_2 \rho_3 \rho_4^3 \rho_5 \cos(\phi_2 - \phi_3 + 3\phi_4 + \phi_5) +$$

$$a_{0,0,1,0,-1,1,1,0,-1,0}^r \rho_2 \rho_3^3 \rho_4 \rho_5 \cos(\phi_2 - \phi_3 + \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,-3,0,-1,0,1,0}^r \rho_2 \rho_3^3 \rho_4 \rho_5 \cos(\phi_2 - 3\phi_3 - \phi_4 + \phi_5) +$$

$$a_{0,0,1,0,1,0,-1,0,-1,1}^r \rho_2 \rho_3 \rho_4 \rho_5^3 \cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,1,0,-1,1,-1,0}^r \rho_2 \rho_3 \rho_4^3 \rho_5 \cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,1,0,1,0,1,1}^r \rho_2 \rho_3 \rho_4 \rho_5^3 \cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) +$$

$$a_{0,0,1,0,1,0,1,1,1,0}^r \rho_2 \rho_3 \rho_4^3 \rho_5 \cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) +$$

$$a_{0,0,1,0,1,1,-1,0,-1,0}^r \rho_2 \rho_3^3 \rho_4 \rho_5 \cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$a_{0,0,1,0,1,1,1,0,1,0}^r \rho_2 \rho_3^3 \rho_4 \rho_5 \cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) +$$

$$a_{0,0,1,0,3,0,-1,0,1,0}^r \rho_2 \rho_3^3 \rho_4 \rho_5 \cos(\phi_2 + 3\phi_3 - \phi_4 + \phi_5) +$$

$$a_{0,0,1,1,-1,0,1,0,-1,0}^r \rho_2^3 \rho_3 \rho_4 \rho_5 \cos(\phi_2 - \phi_3 + \phi_4 - \phi_5) +$$

$$a_{0,0,1,1,1,0,-1,0,-1,0}^r \rho_2^3 \rho_3 \rho_4 \rho_5 \cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$a_{0,0,1,1,1,0,1,0,1,0}^r \rho_2^3 \rho_3 \rho_4 \rho_5 \cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) + a_{0,0,2,0,-2,0,-2,0,0,0}^r \rho_2^2 \rho_3^2 \rho_4^2 \cos(-$$

$2\phi_2 + 2\phi_3 + 2\phi_4) + a^r_{0,0,2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 - 2\phi_3 + 2\phi_5)+$

$a^r_{0,0,2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2 - 4\phi_3) + a^r_{0,0,2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 - 2\phi_4 +$

$2\phi_5) + a^r_{0,0,2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\cos(2\phi_2 - 4\phi_4) + a^r_{0,0,2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\cos(2\phi_2 - 2\phi_5)+$

$a^r_{0,0,2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\cos(2\phi_2 + 4\phi_5) + a^r_{0,0,2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 - 2\phi_5)+$

$a^r_{0,0,2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_4) + a^r_{0,0,2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_2 + 2\phi_4)+$

$a^r_{0,0,2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 - 2\phi_5) + a^r_{0,0,2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 +$

$2\phi_4) + a^r_{0,0,2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_3)+$

$a^r_{0,0,2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 + 2\phi_3) + a^r_{0,0,2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2 + 2\phi_3)+$

$a^r_{0,0,2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(2\phi_2 - 2\phi_5) + a^r_{0,0,2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_2 + 2\phi_4)+$

$a^r_{0,0,2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2 + 2\phi_3) + a^r_{0,0,3,0,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 - \phi_3 - \phi_4 +$

$\phi_5) + a^r_{0,0,3,0,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$a^r_{0,0,4,0,-2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2 - 2\phi_3) + a^r_{0,0,4,0,0,0,-2,0,0,0}\rho_2^4\rho_4^2\cos(4\phi_2 - 2\phi_4)+$

$a^r_{0,0,4,0,0,0,0,0,2,0}\rho_2^4\rho_5^2\cos(4\phi_2 + 2\phi_5) + a^r_{0,0,6,0,0,0,0,0,0,0}\rho_2^6\cos(6\phi_2)+$

$a^r_{0,1,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4 + a^r_{0,1,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2 + a^r_{0,1,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4+$

$a^r_{0,1,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4 + 2\phi_5) + a^r_{0,1,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2+$

$a^r_{0,1,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2 + a^r_{0,1,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4+$

$a^r_{0,1,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3 - 2\phi_4) + a^r_{0,1,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3 +$

$2\phi_5) + a^r_{0,1,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2 + a^r_{0,1,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2+$

$a^r_{0,1,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2 + a^r_{0,1,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4+$

$a^r_{0,1,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \phi_4 - \phi_5)+$

$a^r_{0,1,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 - \phi_5)+$

$a^r_{0,1,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 + \phi_5)+$

$a^r_{0,1,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2 - 2\phi_5) + a^r_{0,1,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2 +$

$2\phi_4) + a^r_{0,1,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2 + 2\phi_3) + a^r_{0,2,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2+$

$a^r_{0,2,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2 + a^r_{0,2,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2 + a^r_{0,2,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2+$

$a^r_{0,3,0,0,0,0,0,0,0,0}\rho_1^6 + a^r_{1,0,-1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1 + \phi_2 + 2\phi_3 + 2\phi_5)+$

$a^r_{1,0,-1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1 - \phi_2 - 2\phi_3 + 2\phi_4)+$

$a^r_{1,0,-1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1 + \phi_2 + 2\phi_4 + 2\phi_5)+$

$a^r_{1,0,-1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\cos(\phi_1 - \phi_2) + a^r_{1,0,-1,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1 - \phi_2)+$

$a^r_{1,0,-1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1 - \phi_2) + a^r_{1,0,-1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1 - \phi_2 +$

$2\phi_4 + 2\phi_5) + a^r_{1,0,-1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1 - \phi_2)+$

$a^r_{1,0,-1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1 - \phi_2) + a^r_{1,0,-1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1 - \phi_2)+$

$a^r_{1,0,-1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1 - \phi_2 + 2\phi_3 - 2\phi_4)+$

$a^r_{1,0,-1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1 - \phi_2 + 2\phi_3 + 2\phi_5)+$

$a^r_{1,0,-1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1 - \phi_2) + a^r_{1,0,-1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1 - \phi_2)+$

$a^r_{1,0,-1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1 - \phi_2) + a^r_{1,0,-1,2,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1 - \phi_2)+$

$a^r_{1,0,-2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1 + 2\phi_2 + \phi_3 + \phi_4 + \phi_5)+$

$a^r_{1,0,-2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1 - 2\phi_2 - \phi_3 + \phi_4 + \phi_5)+$

$a^r_{1,0,-2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1 - 2\phi_2 + \phi_3 - \phi_4 + \phi_5)+$

$a^r_{1,0,-3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(-\phi_1 + 3\phi_2 + 2\phi_3) + a^r_{1,0,-3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(-\phi_1 +$

$3\phi_2 + 2\phi_4) + a^r_{1,0,-3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1 - 3\phi_2 + 2\phi_5)+$

$a^r_{1,0,0,0,-1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(-\phi_1 + \phi_3 + \phi_4 + 3\phi_5)+$

$a^r_{1,0,0,0,-1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3-\phi_4+3\phi_5)+$

$a^r_{1,0,0,0,-1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3-3\phi_4+\phi_5)+$

$a^r_{1,0,0,0,-1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,0,-1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,0,-1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+3\phi_4+\phi_5)+$

$a^r_{1,0,0,0,-1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,0,-3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,0,0,1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,0,1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,0,1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,0,0,1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,0,0,1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,0,1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,0,0,3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,0,1,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,1,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,1,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3-2\phi_4)+$

$a^r_{1,0,1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3+2\phi_5)+$

$a^r_{1,0,1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2-4\phi_3)+a^r_{1,0,1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+$
$\phi_2-2\phi_4+2\phi_5)+a^r_{1,0,1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2-4\phi_4)+$

$a^r_{1,0,1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,0,1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2+$
$4\phi_5)+a^r_{1,0,1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+$
$\phi_2+2\phi_4)+a^r_{1,0,1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+$

$a^r_{1,0,1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3)+$

$a^r_{1,0,1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,0,1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+$
$\phi_2+2\phi_3)+a^r_{1,0,1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+\phi_2+$
$2\phi_3)+a^r_{1,0,2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2-2\phi_3)+a^r_{1,0,3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+$
$3\phi_2-2\phi_4)+a^r_{1,0,3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2+2\phi_5)+$

$a^r_{1,0,5,0,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+5\phi_2)+a^r_{1,1,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,1,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1-\phi_2)+a^r_{1,1,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-$
$\phi_5)+a^r_{1,1,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,1,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,1,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,1,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2+$
$2\phi_4)+a^r_{1,1,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,2,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(\phi_1-\phi_2)+$

$a^r_{2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$$a^r_{2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$$

$$a^r_{2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$a^r_{2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1-$$

$$2\phi_2)+a^r_{2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1-$$

$$2\phi_2)+a^r_{2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(-2\phi_1+2\phi_3+2\phi_4)+$$

$$a^r_{2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_3+2\phi_5)+a^r_{2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1-$$

$$4\phi_3)+a^r_{2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_4+2\phi_5)+$$

$$a^r_{2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1-4\phi_4)+a^r_{2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\cos(2\phi_1-2\phi_5)+$$

$$a^r_{2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\cos(2\phi_1+4\phi_5)+a^r_{2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_5)+$$

$$a^r_{2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4)+a^r_{2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_1+2\phi_4)+$$

$$a^r_{2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+$$

$$2\phi_4)+a^r_{2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3)+$$

$$a^r_{2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3)+a^r_{2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1+2\phi_3)+$$

$$a^r_{2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+$$

$$2\phi_4)+a^r_{2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_3)+$$

$$a^r_{2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)+$$

$$a^r_{2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_2-2\phi_3)+$$

$$a^r_{2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_2-2\phi_4)+$$

$$a^r_{2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2+2\phi_5)+a^r_{2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1+$$

$$4\phi_2)+a^r_{2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1-2\phi_2)+a^r_{2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(2\phi_1-2\phi_5)+$$

$$a^r_{2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_1+2\phi_4)+a^r_{2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1+2\phi_3)+$$

$$a^r_{3,0,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(-3\phi_1+\phi_2+2\phi_5)+a^r_{3,0,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1-$$

$$\phi_2+2\phi_4)+a^r_{3,0,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1-\phi_2+2\phi_3)+$$

$$a^r_{3,0,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1-3\phi_2)+a^r_{3,0,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1-\phi_3-\phi_4+$$

$$\phi_5)+a^r_{3,0,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{3,0,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1+\phi_2-2\phi_3)+a^r_{3,0,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1+$$

$$\phi_2-2\phi_4)+a^r_{3,0,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1+\phi_2+2\phi_5)+$$

$$a^r_{3,0,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1+3\phi_2)+a^r_{4,0,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1-2\phi_3)+$$

$$a^r_{4,0,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\cos(4\phi_1-2\phi_4)+a^r_{4,0,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\cos(4\phi_1+2\phi_5)+$$

$$a^r_{4,0,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1+2\phi_2)+a^r_{5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(5\phi_1+\phi_2)+$$

$$a^r_{6,0,0,0,0,0,0,0,0,0}\rho_1^6\cos(6\phi_1)$$

$$
\begin{aligned}
H^{(6)}_{--} =&\, a^r_{0,0,0,0,0,0,0,0,0,3}\rho_5^6 + a^r_{0,0,0,0,0,0,0,0,6,0}\rho_5^6\cos(6\phi_5) + a^r_{0,0,0,0,0,0,0,1,0,2}\rho_4^2\rho_5^4+\\
&\, a^r_{0,0,0,0,0,0,0,2,0,1}\rho_4^4\rho_5^2 + a^r_{0,0,0,0,0,0,0,3,0,0}\rho_4^6 + a^r_{0,0,0,0,0,0,2,0,-4,0}\rho_4^2\rho_5^4\cos(2\phi_4-4\phi_5)+\\
&\, a^r_{0,0,0,0,0,0,2,0,2,1}\rho_4^2\rho_5^4\cos(2\phi_4+2\phi_5) + a^r_{0,0,0,0,0,0,2,1,2,0}\rho_4^4\rho_5^2\cos(2\phi_4+2\phi_5)+\\
&\, a^r_{0,0,0,0,0,0,4,0,-2,0}\rho_4^4\rho_5^2\cos(4\phi_4-2\phi_5) + a^r_{0,0,0,0,0,0,6,0,0,0}\rho_4^6\cos(6\phi_4)+\\
&\, a^r_{0,0,0,0,0,1,0,0,0,2}\rho_3^2\rho_5^4 + a^r_{0,0,0,0,0,1,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2 + a^r_{0,0,0,0,0,1,0,2,0,0}\rho_3^2\rho_4^4+\\
&\, a^r_{0,0,0,0,0,1,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5) + a^r_{0,0,0,0,0,2,0,0,0,1}\rho_3^4\rho_5^2+\\
&\, a^r_{0,0,0,0,0,2,0,1,0,0}\rho_3^4\rho_4^2 + a^r_{0,0,0,0,0,3,0,0,0,0}\rho_3^6 + a^r_{0,0,0,0,2,0,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3-\\
&\, 2\phi_4)+a^r_{0,0,0,0,2,0,-2,1,0,0}\rho_3^2\rho_4^4\cos(2\phi_3-2\phi_4) + a^r_{0,0,0,0,2,0,0,0,-4,0}\rho_3^2\rho_5^4\cos(2\phi_3-4\phi_5)+\\
&\, a^r_{0,0,0,0,2,0,0,0,2,1}\rho_3^2\rho_5^4\cos(2\phi_3+2\phi_5) + a^r_{0,0,0,0,2,0,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3+2\phi_5)+
\end{aligned}
$$

$a^r_{0,0,0,0,2,0,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3+2\phi_4-2\phi_5)+a^r_{0,0,0,0,2,0,4,0,0,0}\rho_3^2\rho_4^4\cos(2\phi_3+$

$4\phi_4)+a^r_{0,0,0,0,2,1,-2,0,0,0}\rho_3^4\rho_4^2\cos(2\phi_3-2\phi_4)+a^r_{0,0,0,0,2,1,0,0,0,2,0}\rho_3^4\rho_5^2\cos(2\phi_3+2\phi_5)+$

$a^r_{0,0,0,0,4,0,0,0,-2,0}\rho_3^4\rho_5^2\cos(4\phi_3-2\phi_5)+a^r_{0,0,0,0,4,0,2,0,0,0}\rho_3^4\rho_4^2\cos(4\phi_3+2\phi_4)+$

$a^r_{0,0,0,0,6,0,0,0,0,0}\rho_3^6\cos(6\phi_3)+a^r_{0,0,0,1,0,0,0,0,0,2}\rho_2^2\rho_5^4+a^r_{0,0,0,1,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2+$

$a^r_{0,0,0,1,0,0,0,2,0,0}\rho_2^2\rho_4^4+a^r_{0,0,0,1,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5)+$

$a^r_{0,0,0,1,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2+a^r_{0,0,0,1,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2+a^r_{0,0,0,1,0,2,0,0,0,0}\rho_2^2\rho_3^4+$

$a^r_{0,0,0,1,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4)+a^r_{0,0,0,1,2,0,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3+$

$2\phi_5)+a^r_{0,0,0,2,0,0,0,0,0,1}\rho_2^4\rho_5^2+a^r_{0,0,0,2,0,0,0,1,0,0}\rho_2^4\rho_4^2+a^r_{0,0,0,2,0,1,0,0,0,0}\rho_2^4\rho_3^2+$

$a^r_{0,0,0,3,0,0,0,0,0,0}\rho_2^6+a^r_{0,0,1,0,-1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(-\phi_2+\phi_3+\phi_4+3\phi_5)+$

$a^r_{0,0,1,0,-1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2-\phi_3-\phi_4+3\phi_5)+$

$a^r_{0,0,1,0,-1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3-3\phi_4+\phi_5)+$

$a^r_{0,0,1,0,-1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$

$a^r_{0,0,1,0,-1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$

$a^r_{0,0,1,0,-1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3+3\phi_4+\phi_5)+$

$a^r_{0,0,1,0,-1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$

$a^r_{0,0,1,0,-3,0,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2-3\phi_3-\phi_4+\phi_5)+$

$a^r_{0,0,1,0,1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$

$a^r_{0,0,1,0,1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$

$a^r_{0,0,1,0,1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{0,0,1,0,1,0,1,0,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{0,0,1,0,1,0,1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$

$a^r_{0,0,1,0,1,0,1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{0,0,1,0,1,0,3,0,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+3\phi_3-\phi_4+\phi_5)+$

$a^r_{0,0,1,1,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$

$a^r_{0,0,1,1,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$

$a^r_{0,0,1,1,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+a^r_{0,0,2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(-$

$2\phi_2+2\phi_3+2\phi_4)+a^r_{0,0,2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2-2\phi_3+2\phi_5)+$

$a^r_{0,0,2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2-4\phi_3)+a^r_{0,0,2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2-2\phi_4+$

$2\phi_5)+a^r_{0,0,2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\cos(2\phi_2-4\phi_4)+a^r_{0,0,2,0,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\cos(2\phi_2-2\phi_5)+$

$a^r_{0,0,2,0,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\cos(2\phi_2+4\phi_5)+a^r_{0,0,2,0,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2-2\phi_5)+$

$a^r_{0,0,2,0,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2+2\phi_4)+a^r_{0,0,2,0,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_2+2\phi_4)+$

$a^r_{0,0,2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,0,2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2+$

$2\phi_4)+a^r_{0,0,2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2+2\phi_3)+$

$a^r_{0,0,2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2+2\phi_3)+a^r_{0,0,2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2+2\phi_3)+$

$a^r_{0,0,2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,0,2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_2+2\phi_4)+$

$a^r_{0,0,2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2+2\phi_3)+a^r_{0,0,3,0,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2-\phi_3-\phi_4+$

$\phi_5)+a^r_{0,0,3,0,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{0,0,4,0,-2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2-2\phi_3)+a^r_{0,0,4,0,0,0,-2,0,0,0}\rho_2^4\rho_4^2\cos(4\phi_2-2\phi_4)+$

$a^r_{0,0,4,0,0,0,0,0,2,0}\rho_2^4\rho_5^2\cos(4\phi_2+2\phi_5)+a^r_{0,0,6,0,0,0,0,0,0,0}\rho_2^6\cos(6\phi_2)+$

$a^r_{0,1,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4+a^r_{0,1,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2+a^r_{0,1,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4+$

$a^r_{0,1,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5)+a^r_{0,1,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2+$

$a^r_{0,1,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2+a^r_{0,1,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4+$

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$$a^r_{0,1,0,0,0,2,0,-2,0,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4)+a^r_{0,1,0,0,0,2,0,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3+$$
$$2\phi_5)+a^r_{0,1,0,1,0,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2+a^r_{0,1,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2+$$
$$a^r_{0,1,0,1,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2+a^r_{0,1,0,2,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^4+$$
$$a^r_{0,1,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,1,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,1,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{0,1,2,0,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,1,2,0,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2+$$
$$2\phi_4)+a^r_{0,1,2,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2+2\phi_3)+a^r_{0,2,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2+$$
$$a^r_{0,2,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2+a^r_{0,2,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2+a^r_{0,2,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2^2+$$
$$a^r_{0,3,0,0,0,0,0,0,0,0,0}\rho_1^6+a^r_{1,0,-1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_3+2\phi_5)+$$
$$a^r_{1,0,-1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2-2\phi_3+2\phi_4)+$$
$$a^r_{1,0,-1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_4+2\phi_5)+$$
$$a^r_{1,0,-1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+$$
$$2\phi_4+2\phi_5)+a^r_{1,0,-1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_3-2\phi_4)+$$
$$a^r_{1,0,-1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_3+2\phi_5)+$$
$$a^r_{1,0,-1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,2,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,-2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2-\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,-2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2+\phi_3-\phi_4+\phi_5)+$$
$$a^r_{1,0,-3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(-\phi_1+3\phi_2+2\phi_3)+a^r_{1,0,-3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(-\phi_1+$$
$$3\phi_2+2\phi_4)+a^r_{1,0,-3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-3\phi_2+2\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(-\phi_1+\phi_3+\phi_4+3\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3-\phi_4+3\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3-3\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+3\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,-1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,-3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3-\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3-\phi_4+\phi_5)+$$
$$a^r_{1,0,0,1,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,1,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$

$a^r_{1,0,0,1,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3-2\phi_4)+$

$a^r_{1,0,1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3+2\phi_5)+$

$a^r_{1,0,1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2-4\phi_3)+a^r_{1,0,1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+$
$\phi_2-2\phi_4+2\phi_5)+a^r_{1,0,1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2-4\phi_4)+$

$a^r_{1,0,1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,0,1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2+$
$4\phi_5)+a^r_{1,0,1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+$
$\phi_2+2\phi_4)+a^r_{1,0,1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+$

$a^r_{1,0,1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3)+$

$a^r_{1,0,1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,0,1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+$
$\phi_2+2\phi_3)+a^r_{1,0,1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+\phi_2+$
$2\phi_3)+a^r_{1,0,2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2-2\phi_3)+a^r_{1,0,3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+$
$3\phi_2-2\phi_4)+a^r_{1,0,3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2+2\phi_5)+$

$a^r_{1,0,5,0,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+5\phi_2)+a^r_{1,1,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,1,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1-\phi_2)+a^r_{1,1,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-$
$\phi_5)+a^r_{1,1,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,1,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,1,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,1,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2+$
$2\phi_4)+a^r_{1,1,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,2,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(\phi_1-\phi_2)+$

$a^r_{2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1-$
$2\phi_2)+a^r_{2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1-$
$2\phi_2)+a^r_{2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(-2\phi_1+2\phi_3+2\phi_4)+$

$a^r_{2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_3+2\phi_5)+a^r_{2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1-$
$4\phi_3)+a^r_{2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_4+2\phi_5)+$

$a^r_{2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1-4\phi_4)+a^r_{2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\cos(2\phi_1-2\phi_5)+$

$a^r_{2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\cos(2\phi_1+4\phi_5)+a^r_{2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_5)+$

$a^r_{2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4)+a^r_{2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_1+2\phi_4)+$

$a^r_{2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+$
$2\phi_4)+a^r_{2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3)+a^r_{2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+$
$2\phi_4)+a^r_{2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)+$

$$a^r_{2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_2-2\phi_3)+$$

$$a^r_{2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_2-2\phi_4)+$$

$$a^r_{2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2+2\phi_5)+a^r_{2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1+$$

$$4\phi_2)+a^r_{2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1-2\phi_2)+a^r_{2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(2\phi_1-2\phi_5)+$$

$$a^r_{2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_1+2\phi_4)+a^r_{2,1,0,0,0,2,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1+2\phi_3)+$$

$$a^r_{3,0,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(-3\phi_1+\phi_2+2\phi_5)+a^r_{3,0,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1-$$

$$\phi_2+2\phi_4)+a^r_{3,0,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1-\phi_2+2\phi_3)+$$

$$a^r_{3,0,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1-3\phi_2)+a^r_{3,0,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1-\phi_3-\phi_4+$$

$$\phi_5)+a^r_{3,0,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{3,0,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1+\phi_2-2\phi_3)+a^r_{3,0,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1+$$

$$\phi_2-2\phi_4)+a^r_{3,0,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1+\phi_2+2\phi_5)+$$

$$a^r_{3,0,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1+3\phi_2)+a^r_{4,0,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1-2\phi_3)+$$

$$a^r_{4,0,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\cos(4\phi_1-2\phi_4)+a^r_{4,0,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\cos(4\phi_1+2\phi_5)+$$

$$a^r_{4,0,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1+2\phi_2)+a^r_{5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(5\phi_1+\phi_2)+$$

$$a^r_{6,0,0,0,0,0,0,0,0,0}\rho_1^6\cos(6\phi_1)$$

$$H^{(6)}_{+-}=b^r_{-1,0,-1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_1-\phi_2-2\phi_3-2\phi_4))+$$

$$b^r_{-1,0,-1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_1-\phi_2-2\phi_3+2\phi_5))+$$

$$b^r_{-1,0,-1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(i(-\phi_1-\phi_2-4\phi_3))+b^r_{-1,0,-1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(-$$

$$\phi_1-\phi_2-2\phi_4+2\phi_5))+b^r_{-1,0,-1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\exp(i(-\phi_1-\phi_2-4\phi_4))+$$

$$b^r_{-1,0,-1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\exp(i(-\phi_1-\phi_2-2\phi_5))+b^r_{-1,0,-1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\exp(i(-\phi_1-$$

$$\phi_2+4\phi_5))+b^r_{-1,0,-1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_1-\phi_2-2\phi_5))+$$

$$b^r_{-1,0,-1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_1-\phi_2+2\phi_4))+b^r_{-1,0,-1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\exp(i(-$$

$$\phi_1-\phi_2+2\phi_4))+b^r_{-1,0,-1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_1-\phi_2-2\phi_5))+$$

$$b^r_{-1,0,-1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_1-\phi_2+2\phi_4))+$$

$$b^r_{-1,0,-1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_1-\phi_2+2\phi_3))+$$

$$b^r_{-1,0,-1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_1-\phi_2+2\phi_3))+b^r_{-1,0,-1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(i(-$$

$$\phi_1-\phi_2+2\phi_3))+b^r_{-1,0,-1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\exp(i(-\phi_1-\phi_2-2\phi_5))+$$

$$b^r_{-1,0,-1,1,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(i(-\phi_1-\phi_2+2\phi_4))+b^r_{-1,0,-1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(i(-$$

$$\phi_1-\phi_2+2\phi_3))+b^r_{-1,0,-2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1-2\phi_2-\phi_3+\phi_4-\phi_5))+$$

$$b^r_{-1,0,-2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1-2\phi_2+\phi_3-\phi_4-\phi_5))+$$

$$b^r_{-1,0,-2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5))+$$

$$b^r_{-1,0,-3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\exp(i(-\phi_1-3\phi_2))+b^r_{-1,0,-3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\exp(i(-\phi_1-$$

$$3\phi_2))+b^r_{-1,0,-3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(i(-\phi_1-3\phi_2))+b^r_{-1,0,-3,1,0,0,0,0,0,0}\rho_1\rho_2^5\exp(i(-\phi_1-$$

$$3\phi_2))+b^r_{-1,0,0,0,-1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\exp(i(-\phi_1-\phi_3-\phi_4+\phi_5))+$$

$$b^r_{-1,0,0,0,-1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(i(-\phi_1-\phi_3-\phi_4+\phi_5))+$$

$$b^r_{-1,0,0,0,-1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(i(-\phi_1-\phi_3-3\phi_4-\phi_5))+$$

$$b^r_{-1,0,0,0,-1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\exp(i(-\phi_1-\phi_3+\phi_4-3\phi_5))+$$

$$b^r_{-1,0,0,0,-1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\exp(i(-\phi_1-\phi_3+\phi_4+3\phi_5))+$$

$$b^r_{-1,0,0,0,-1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(i(-\phi_1-\phi_3+3\phi_4-\phi_5))+$$

$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(i(-\phi_1-\phi_3-\phi_4+\phi_5))+$$

$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(i(-\phi_1-3\phi_3-\phi_4-\phi_5))+$

$b^r_{-1,0,0,0,-3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(i(-\phi_1-3\phi_3+\phi_4+\phi_5))+$

$b^r_{-1,0,0,0,1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\exp(i(-\phi_1+\phi_3-\phi_4-3\phi_5))+$

$b^r_{-1,0,0,0,1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\exp(i(-\phi_1+\phi_3-\phi_4+3\phi_5))+$

$b^r_{-1,0,0,0,1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(i(-\phi_1+\phi_3-3\phi_4+\phi_5))+$

$b^r_{-1,0,0,0,1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\exp(i(-\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{-1,0,0,0,1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(i(-\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{-1,0,0,0,1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(i(-\phi_1+\phi_3+3\phi_4+\phi_5))+$

$b^r_{-1,0,0,0,1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(i(-\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{-1,0,0,0,3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(i(-\phi_1+3\phi_3-\phi_4-\phi_5))+$

$b^r_{-1,0,0,0,3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(i(-\phi_1+3\phi_3+\phi_4+\phi_5))+$

$b^r_{-1,0,0,1,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1-\phi_3-\phi_4+\phi_5))+$

$b^r_{-1,0,0,1,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{-1,0,1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_1+\phi_2-2\phi_3))+$

$b^r_{-1,0,1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_1+\phi_2-2\phi_3))+b^r_{-1,0,1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(i(-\phi_1+\phi_2-2\phi_3))+b^r_{-1,0,1,0,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_1+\phi_2-2\phi_4))+$

$b^r_{-1,0,1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\exp(i(-\phi_1+\phi_2-2\phi_4))+b^r_{-1,0,1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\exp(i(-\phi_1+\phi_2-4\phi_5))+b^r_{-1,0,1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\exp(i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,0,1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,0,1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(-\phi_1+\phi_2+2\phi_4-2\phi_5))+$

$b^r_{-1,0,1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\exp(i(-\phi_1+\phi_2+4\phi_4))+b^r_{-1,0,1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_1+\phi_2-2\phi_4))+b^r_{-1,0,1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,0,1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(-\phi_1+\phi_2+2\phi_3-2\phi_5))+$

$b^r_{-1,0,1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(-\phi_1+\phi_2+2\phi_3+2\phi_4))+$

$b^r_{-1,0,1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(i(-\phi_1+\phi_2+4\phi_3))+b^r_{-1,0,1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(i(-\phi_1+\phi_2-2\phi_3))+b^r_{-1,0,1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(i(-\phi_1+\phi_2-2\phi_4))+$

$b^r_{-1,0,1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\exp(i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,0,2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1+2\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{-1,0,2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{-1,0,2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(-\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{-1,0,3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\exp(i(-\phi_1+3\phi_2))+b^r_{-1,0,3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\exp(i(-\phi_1+3\phi_2))+b^r_{-1,0,3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(i(-\phi_1+3\phi_2))+b^r_{-1,0,3,1,0,0,0,0,0,0}\rho_1\rho_2^5\exp(i(-\phi_1+3\phi_2))+b^r_{-1,1,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\exp(i(-\phi_1-\phi_2-2\phi_5))+$

$b^r_{-1,1,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(i(-\phi_1-\phi_2+2\phi_4))+b^r_{-1,1,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(i(-\phi_1-\phi_2+2\phi_3))+b^r_{-1,1,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(i(-\phi_1-3\phi_2))+$

$b^r_{-1,1,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(-\phi_1-\phi_3-\phi_4+\phi_5))+$

$b^r_{-1,1,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(-\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{-1,1,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(i(-\phi_1+\phi_2-2\phi_3))+b^r_{-1,1,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(i(-\phi_1+\phi_2-2\phi_4))+b^r_{-1,1,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\exp(i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,1,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(i(-\phi_1+3\phi_2))+b^r_{-2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-2\phi_1-\phi_2-\phi_3+\phi_4-\phi_5))+b^r_{-2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-2\phi_1-\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{-2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{-2,0,-2,0,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\exp(i(-2\phi_1-2\phi_2))+b^r_{-2,0,-2,0,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(i(-2\phi_1-2\phi_2))+b^r_{-2,0,-2,0,0,1,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(i(-2\phi_1-2\phi_2))+$

$b^r_{-2,0,-2,1,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(i(-2\phi_1-2\phi_2))+b^r_{-2,0,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(i(-2\phi_1-2\phi_3-2\phi_4))+b^r_{-2,0,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\exp(i(-2\phi_1-2\phi_3+2\phi_5))+$

$b^r_{-2,0,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\exp(i(-2\phi_1-4\phi_3))+b^r_{-2,0,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\exp(i(-2\phi_1-2\phi_4+2\phi_5))+b^r_{-2,0,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\exp(i(-2\phi_1-4\phi_4))+b^r_{-2,0,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\exp(i(-2\phi_1-2\phi_5))+b^r_{-2,0,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\exp(i(-2\phi_1+4\phi_5))+$

$b^r_{-2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\exp(i(-2\phi_1-2\phi_5))+b^r_{-2,0,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\exp(i(-2\phi_1+2\phi_4))+b^r_{-2,0,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\exp(i(-2\phi_1+2\phi_4))+$

$b^r_{-2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\exp(i(-2\phi_1-2\phi_5))+b^r_{-2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(i(-2\phi_1+2\phi_4))+b^r_{-2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\exp(i(-2\phi_1+2\phi_3))+$

$b^r_{-2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(i(-2\phi_1+2\phi_3))+b^r_{-2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\exp(i(-2\phi_1+2\phi_3))+b^r_{-2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\exp(i(-2\phi_1-2\phi_5))+$

$b^r_{-2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(i(-2\phi_1+2\phi_4))+b^r_{-2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(i(-2\phi_1+2\phi_3))+b^r_{-2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-2\phi_1+\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{-2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{-2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(i(-2\phi_1+2\phi_2-2\phi_3))+$

$b^r_{-2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(i(-2\phi_1+2\phi_2-2\phi_4))+$

$b^r_{-2,0,2,0,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\exp(i(-2\phi_1+2\phi_2+2\phi_5))+b^r_{-2,0,4,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(i(-2\phi_1+4\phi_2))+b^r_{-2,1,-2,0,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(i(-2\phi_1-2\phi_2))+b^r_{-2,1,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\exp(i(-2\phi_1-2\phi_5))+b^r_{-2,1,0,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\exp(i(-2\phi_1+2\phi_4))+b^r_{-2,1,0,0,2,0,0,0,0,0,0}\rho_1^4\rho_3^2\exp(i(-2\phi_1+2\phi_3))+$

$b^r_{-3,0,-1,0,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\exp(i(-3\phi_1-\phi_2))+b^r_{-3,0,-1,0,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\exp(i(-3\phi_1-\phi_2))+b^r_{-3,0,-1,0,0,1,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(i(-3\phi_1-\phi_2))+b^r_{-3,0,-1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(i(-3\phi_1-\phi_2))+b^r_{-3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(-3\phi_1-\phi_3+\phi_4-\phi_5))+$

$b^r_{-3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(-3\phi_1+\phi_3-\phi_4-\phi_5))+$

$b^r_{-3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(-3\phi_1+\phi_3+\phi_4+\phi_5))+$

$b^r_{-3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\exp(i(-3\phi_1+\phi_2-2\phi_5))+b^r_{-3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(i(-3\phi_1+\phi_2+2\phi_4))+b^r_{-3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(i(-3\phi_1+\phi_2+2\phi_3))+$

$b^r_{-3,1,-1,0,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(i(-3\phi_1-\phi_2))+b^r_{-4,0,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\exp(-4i\phi_1)+$

$b^r_{-4,0,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\exp(-4i\phi_1)+b^r_{-4,0,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\exp(-4i\phi_1)+$

$b^r_{-4,0,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(-4i\phi_1)+b^r_{-4,1,0,0,0,0,0,0,0,0,0}\rho_1^6\exp(-4i\phi_1)+$

$b^r_{-5,0,1,0,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(i(-5\phi_1+\phi_2))+b^r_{0,0,-1,0,-1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(i(-\phi_2-\phi_3-\phi_4+\phi_5))+b^r_{0,0,-1,0,-1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(-\phi_2-\phi_3-3\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,-1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(i(-\phi_2-\phi_3+\phi_4-3\phi_5))+$

$b^r_{0,0,-1,0,-1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(i(-\phi_2-\phi_3+\phi_4+3\phi_5))+$

$b^r_{0,0,-1,0,-1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(-\phi_2-\phi_3+3\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,-1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(-\phi_2-3\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,-3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(-\phi_2-3\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(i(-\phi_2+\phi_3-\phi_4-3\phi_5))+$

$b^r_{0,0,-1,0,1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(i(-\phi_2+\phi_3-\phi_4+3\phi_5))+$

$b^r_{0,0,-1,0,1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(-\phi_2+\phi_3-3\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(-\phi_2+\phi_3+3\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(-\phi_2+3\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(-\phi_2+3\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,-1,1,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,-1,1,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(i(-2\phi_2-2\phi_3-2\phi_4))+$

$b^r_{0,0,-2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\exp(i(-2\phi_2-2\phi_3+2\phi_5))+b^r_{0,0,-2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\exp(i(-2\phi_2-4\phi_3))+b^r_{0,0,-2,0,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\exp(i(-2\phi_2-2\phi_4+2\phi_5))+$

$b^r_{0,0,-2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\exp(i(-2\phi_2-4\phi_4))+b^r_{0,0,-2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\exp(i(-2\phi_2-2\phi_5))+$

$b^r_{0,0,-2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\exp(i(-2\phi_2+4\phi_5))+b^r_{0,0,-2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\exp(i(-2\phi_2-2\phi_5))+b^r_{0,0,-2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\exp(i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\exp(i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\exp(i(-2\phi_2-2\phi_5))+$

$b^r_{0,0,-2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\exp(i(-2\phi_2+2\phi_3))+b^r_{0,0,-2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(i(-2\phi_2+2\phi_3))+b^r_{0,0,-2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\exp(i(-2\phi_2+2\phi_3))+b^r_{0,0,-2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\exp(i(-2\phi_2-2\phi_5))+b^r_{0,0,-2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\exp(i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\exp(i(-2\phi_2+2\phi_3))+$

$b^r_{0,0,-3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(-3\phi_2-\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(-3\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,-3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(-3\phi_2+\phi_3+\phi_4+\phi_5))+b^r_{0,0,-4,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\exp(-4i\phi_2)+b^r_{0,0,-4,0,0,0,0,1,0,0}\rho_2^4\rho_4^2\exp(-4i\phi_2)+b^r_{0,0,-4,0,0,1,0,0,0,0}\rho_2^4\rho_3^2\exp(-4i\phi_2)+$

$b^r_{0,0,-4,1,0,0,0,0,0,0}\rho_2^6\exp(-4i\phi_2)+b^r_{0,0,0,0,-2,0,-2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\exp(i(-2\phi_3-2\phi_4-2\phi_5))+$

$b^r_{0,0,0,0,-2,0,0,0,0,2}\rho_3^2\rho_5^4\exp(-2i\phi_3)+b^r_{0,0,0,0,-2,0,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2\exp(-2i\phi_3)+$

$b^r_{0,0,0,0,-2,0,0,2,0,0}\rho_3^2\rho_4^4\exp(-2i\phi_3)+b^r_{0,0,0,0,-2,0,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\exp(i(-2\phi_3+2\phi_4+2\phi_5))+$

$b^r_{0,0,0,0,-2,1,0,0,0,1}\rho_3^4\rho_5^2\exp(-2i\phi_3)+b^r_{0,0,0,0,-2,1,0,1,0,0}\rho_3^4\rho_4^2\exp(-2i\phi_3)+$

$b^r_{0,0,0,0,-2,2,0,0,0,0}\rho_3^6\exp(-2i\phi_3)+b^r_{0,0,0,0,-4,0,0,0,-2,0}\rho_3^4\rho_5^2\exp(i(-4\phi_3-2\phi_5))+$

$b^r_{0,0,0,0,-4,0,2,0,0,0}\rho_3^4\rho_4^2\exp(i(-4\phi_3+2\phi_4))+b^r_{0,0,0,0,0,0,-2,0,0,2}\rho_4^2\rho_5^4\exp(-2i\phi_4)+$

$b^r_{0,0,0,0,0,0,-2,1,0,1}\rho_4^4\rho_5^2\exp(-2i\phi_4)+b^r_{0,0,0,0,0,0,-2,2,0,0}\rho_4^6\exp(-2i\phi_4)+$

$b^r_{0,0,0,0,0,0,-4,0,-2,0}\rho_4^4\rho_5^2\exp(i(-4\phi_4-2\phi_5))+b^r_{0,0,0,0,0,0,0,0,-4,1}\rho_5^6\exp(-4i\phi_5)+$

$b^r_{0,0,0,0,0,0,0,0,2,2}\rho_5^6\exp(2i\phi_5)+b^r_{0,0,0,0,0,0,0,1,-4,0}\rho_4^2\rho_5^4\exp(-4i\phi_5)+$

$b^r_{0,0,0,0,0,0,0,1,2,1}\rho_4^2\rho_5^4\exp(2i\phi_5)+b^r_{0,0,0,0,0,0,0,2,2,0}\rho_4^4\rho_5^2\exp(2i\phi_5)+$

$b^r_{0,0,0,0,0,0,0,2,0,-2,1}\rho_4^2\rho_5^4\exp(i(2\phi_4-2\phi_5))+b^r_{0,0,0,0,0,0,0,2,0,4,0}\rho_4^2\rho_5^4\exp(i(2\phi_4+4\phi_5))+$

$b^r_{0,0,0,0,0,0,2,1,-2,0}\rho_4^4\rho_5^2\exp(i(2\phi_4-2\phi_5))+b^r_{0,0,0,0,0,0,4,0,0,1}\rho_4^4\rho_5^2\exp(4i\phi_4)+$

$b^r_{0,0,0,0,0,0,4,1,0,0}\rho_4^6\exp(4i\phi_4)+b^r_{0,0,0,0,0,1,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\exp(-2i\phi_4)+$

$b^r_{0,0,0,0,0,1,-2,1,0,0}\rho_3^2\rho_4^4\exp(-2i\phi_4)+b^r_{0,0,0,0,0,1,0,0,-4,0}\rho_3^2\rho_5^4\exp(-4i\phi_5)+$

$b^r_{0,0,0,0,0,1,0,0,2,1}\rho_3^2\rho_5^4\exp(2i\phi_5)+b^r_{0,0,0,0,0,1,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\exp(2i\phi_5)+$

$b^r_{0,0,0,0,0,1,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\exp(i(2\phi_4-2\phi_5))+b^r_{0,0,0,0,0,1,4,0,0,0}\rho_3^2\rho_4^4\exp(4i\phi_4)+$

$b^r_{0,0,0,0,0,2,-2,0,0,0}\rho_3^4\rho_4^2\exp(-2i\phi_4)+b^r_{0,0,0,0,0,2,0,0,2,0}\rho_3^4\rho_5^2\exp(2i\phi_5)+$

$b^r_{0,0,0,0,2,0,-2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\exp(i(2\phi_3-2\phi_4+2\phi_5))+b^r_{0,0,0,0,2,0,-4,0,0,0}\rho_3^2\rho_4^4\exp(i(2\phi_3-$

$$4\phi_4)) + b^r_{0,0,0,0,2,0,0,0,-2,1}\rho_3^2\rho_5^4\exp(i(2\phi_3 - 2\phi_5)) + b^r_{0,0,0,0,2,0,0,0,4,0}\rho_3^2\rho_5^4\exp(i(2\phi_3 + 4\phi_5))+$$

$$b^r_{0,0,0,0,2,0,0,1,-2,0}\rho_3^2\rho_4^2\rho_5^2\exp(i(2\phi_3 - 2\phi_5)) + b^r_{0,0,0,0,2,0,2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\exp(i(2\phi_3 +$$

$$2\phi_4)) + b^r_{0,0,0,0,2,0,2,1,0,0}\rho_3^2\rho_4^4\exp(i(2\phi_3 + 2\phi_4)) + b^r_{0,0,0,0,2,1,0,0,-2,0}\rho_3^4\rho_5^2\exp(i(2\phi_3 - 2\phi_5))+$$

$$b^r_{0,0,0,0,2,1,2,0,0,0}\rho_3^4\rho_4^2\exp(i(2\phi_3 + 2\phi_4)) + b^r_{0,0,0,0,4,0,0,0,0,1}\rho_3^4\rho_5^2\exp(4i\phi_3)+$$

$$b^r_{0,0,0,0,4,0,0,1,0,0}\rho_3^4\rho_4^2\exp(4i\phi_3) + b^r_{0,0,0,0,4,1,0,0,0,0}\rho_3^6\exp(4i\phi_3)+$$

$$b^r_{0,0,0,1,-2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\exp(-2i\phi_3) + b^r_{0,0,0,1,-2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-2i\phi_3)+$$

$$b^r_{0,0,0,1,-2,1,0,0,0,0}\rho_2^2\rho_3^4\exp(-2i\phi_3) + b^r_{0,0,0,1,0,0,-2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\exp(-2i\phi_4)+$$

$$b^r_{0,0,0,1,0,0,-2,1,0,0}\rho_2^2\rho_4^4\exp(-2i\phi_4) + b^r_{0,0,0,1,0,0,0,0,-4,0}\rho_2^2\rho_5^4\exp(-4i\phi_5)+$$

$$b^r_{0,0,0,1,0,0,0,0,2,1}\rho_2^2\rho_5^4\exp(2i\phi_5) + b^r_{0,0,0,1,0,0,0,1,2,0}\rho_2^2\rho_4^2\rho_5^2\exp(2i\phi_5)+$$

$$b^r_{0,0,0,1,0,0,2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\exp(i(2\phi_4 - 2\phi_5)) + b^r_{0,0,0,1,0,0,4,0,0,0}\rho_2^2\rho_4^4\exp(4i\phi_4)+$$

$$b^r_{0,0,0,1,0,1,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-2i\phi_4) + b^r_{0,0,0,1,0,1,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\exp(2i\phi_5)+$$

$$b^r_{0,0,0,1,2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\exp(i(2\phi_3 - 2\phi_5)) + b^r_{0,0,0,1,2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(i(2\phi_3 +$$

$$2\phi_4)) + b^r_{0,0,0,1,4,0,0,0,0,0}\rho_2^2\rho_3^4\exp(4i\phi_3) + b^r_{0,0,0,2,-2,0,0,0,0,0}\rho_2^4\rho_3^2\exp(-2i\phi_3)+$$

$$b^r_{0,0,0,2,0,0,-2,0,0,0}\rho_2^4\rho_4^2\exp(-2i\phi_4) + b^r_{0,0,0,2,0,0,0,0,2,0}\rho_2^4\rho_5^2\exp(2i\phi_5)+$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(i(\phi_2 - \phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{0,0,1,0,-1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(\phi_2 - \phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{0,0,1,0,-1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(i(\phi_2 - \phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,0,-1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(\phi_2 - \phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(\phi_2 - \phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{0,0,1,0,-1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(\phi_2 - \phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,0,-3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(\phi_2 - 3\phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{0,0,1,0,1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(i(\phi_2 + \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,0,1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(\phi_2 + \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(\phi_2 + \phi_3 - 3\phi_4 - \phi_5))+$$

$$b^r_{0,0,1,0,1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(i(\phi_2 + \phi_3 + \phi_4 - 3\phi_5))+$$

$$b^r_{0,0,1,0,1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(i(\phi_2 + \phi_3 + \phi_4 + 3\phi_5))+$$

$$b^r_{0,0,1,0,1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(i(\phi_2 + \phi_3 + 3\phi_4 - \phi_5))+$$

$$b^r_{0,0,1,0,1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(\phi_2 + \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,0,3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(i(\phi_2 + 3\phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{0,0,1,1,-1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(\phi_2 - \phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{0,0,1,1,-1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(\phi_2 - \phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{0,0,1,1,1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(\phi_2 + \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{0,0,2,0,-2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\exp(i(2\phi_2 - 2\phi_3 - 2\phi_5))+$$

$$b^r_{0,0,2,0,-2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(i(2\phi_2 - 2\phi_3 + 2\phi_4))+$$

$$b^r_{0,0,2,0,0,0,-2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\exp(i(2\phi_2 - 2\phi_4 - 2\phi_5)) + b^r_{0,0,2,0,0,0,0,0,0,2}\rho_2^2\rho_5^4\exp(2i\phi_2)+$$

$$b^r_{0,0,2,0,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2\exp(2i\phi_2) + b^r_{0,0,2,0,0,0,0,0,2,0,0}\rho_2^2\rho_4^4\exp(2i\phi_2)+$$

$$b^r_{0,0,2,0,0,0,2,0,2,0,0}\rho_2^2\rho_4^2\rho_5^2\exp(i(2\phi_2 + 2\phi_4 + 2\phi_5))+$$

$$b^r_{0,0,2,0,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\exp(2i\phi_2) + b^r_{0,0,2,0,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(2i\phi_2)+$$

$$b^r_{0,0,2,0,0,2,0,0,0,0}\rho_2^2\rho_3^4\exp(2i\phi_2) + b^r_{0,0,2,0,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(i(2\phi_2 + 2\phi_3 - 2\phi_4))+$$

$$b^r_{0,0,2,0,2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\exp(i(2\phi_2 + 2\phi_3 + 2\phi_5)) + b^r_{0,0,2,1,0,0,0,0,0,1}\rho_2^4\rho_5^2\exp(2i\phi_2)+$$

$$b^r_{0,0,2,1,0,0,0,1,0,0}\rho_2^4\rho_4^2\exp(2i\phi_2) + b^r_{0,0,2,1,0,1,0,0,0,0}\rho_2^4\rho_3^2\exp(2i\phi_2)+$$

$$b^r_{0,0,2,2,0,0,0,0,0,0}\rho_2^6\exp(2i\phi_2) + b^r_{0,0,3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(3\phi_2 - \phi_3 + \phi_4 - \phi_5))+$$

$b^r_{0,0,3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(3\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(i(3\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,4,0,0,0,0,0,-2,0}\rho_2^4\rho_5^2\exp(i(4\phi_2-2\phi_5))+b^r_{0,0,4,0,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\exp(i(4\phi_2+2\phi_4))+$

$b^r_{0,0,4,0,2,0,0,0,0,0}\rho_2^4\rho_3^2\exp(i(4\phi_2+2\phi_3))+b^r_{0,1,-1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_2-$

$\phi_3-\phi_4+\phi_5))+b^r_{0,1,-1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,1,-2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\exp(i(-2\phi_2-2\phi_5))+b^r_{0,1,-2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(i(-$

$2\phi_2+2\phi_4))+b^r_{0,1,-2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(i(-2\phi_2+2\phi_3))+b^r_{0,1,-4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(-$

$4i\phi_2)+b^r_{0,1,0,0,-2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\exp(-2i\phi_3)+b^r_{0,1,0,0,-2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-$

$2i\phi_3)+b^r_{0,1,0,0,-2,1,0,0,0,0}\rho_1^2\rho_3^4\exp(-2i\phi_3)+b^r_{0,1,0,0,0,0,-2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\exp(-2i\phi_4)+$

$b^r_{0,1,0,0,0,0,-2,1,0,0}\rho_1^2\rho_4^4\exp(-2i\phi_4)+b^r_{0,1,0,0,0,0,0,0,-4,0}\rho_1^2\rho_5^4\exp(-4i\phi_5)+$

$b^r_{0,1,0,0,0,0,0,0,2,1}\rho_1^2\rho_5^4\exp(2i\phi_5)+b^r_{0,1,0,0,0,0,0,1,2,0}\rho_1^2\rho_4^2\rho_5^2\exp(2i\phi_5)+$

$b^r_{0,1,0,0,0,0,2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\exp(i(2\phi_4-2\phi_5))+b^r_{0,1,0,0,0,0,4,0,0,0}\rho_1^2\rho_4^4\exp(4i\phi_4)+$

$b^r_{0,1,0,0,0,1,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-2i\phi_4)+b^r_{0,1,0,0,0,1,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\exp(2i\phi_5)+$

$b^r_{0,1,0,0,2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\exp(i(2\phi_3-2\phi_5))+b^r_{0,1,0,0,2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(i(2\phi_3+$

$2\phi_4))+b^r_{0,1,0,0,4,0,0,0,0,0}\rho_1^2\rho_3^4\exp(4i\phi_3)+b^r_{0,1,0,1,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-2i\phi_3)+$

$b^r_{0,1,0,1,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-2i\phi_4)+b^r_{0,1,0,1,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\exp(2i\phi_5)+$

$b^r_{0,1,1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{0,1,1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{0,1,1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{0,1,2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\exp(2i\phi_2)+b^r_{0,1,2,0,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(2i\phi_2)+$

$b^r_{0,1,2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(2i\phi_2)+b^r_{0,1,2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(2i\phi_2)+$

$b^r_{0,2,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\exp(-2i\phi_3)+b^r_{0,2,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\exp(-2i\phi_4)+$

$b^r_{0,2,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\exp(2i\phi_5)+b^r_{0,2,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(2i\phi_2)+$

$b^r_{1,0,-1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(\phi_1-\phi_2-2\phi_3))+$

$b^r_{1,0,-1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(\phi_1-\phi_2-2\phi_3))+$

$b^r_{1,0,-1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(i(\phi_1-\phi_2-2\phi_3))+$

$b^r_{1,0,-1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(\phi_1-\phi_2-2\phi_4))+$

$b^r_{1,0,-1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\exp(i(\phi_1-\phi_2-2\phi_4))+b^r_{1,0,-1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\exp(i(\phi_1-\phi_2-$

$4\phi_5))+b^r_{1,0,-1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\exp(i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(i(\phi_1-\phi_2+2\phi_4-2\phi_5))+$

$b^r_{1,0,-1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\exp(i(\phi_1-\phi_2+4\phi_4))+$

$b^r_{1,0,-1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(\phi_1-\phi_2-2\phi_4))+$

$b^r_{1,0,-1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(i(\phi_1-\phi_2+2\phi_3-2\phi_5))+$

$b^r_{1,0,-1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(i(\phi_1-\phi_2+2\phi_3+2\phi_4))+$

$b^r_{1,0,-1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(i(\phi_1-\phi_2+4\phi_3))+b^r_{1,0,-1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(i(\phi_1-$

$\phi_2-2\phi_3))+b^r_{1,0,-1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(i(\phi_1-\phi_2-2\phi_4))+$

$b^r_{1,0,-1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\exp(i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(\phi_1-2\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,-2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(i(\phi_1-2\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{1,0,-3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\exp(i(\phi_1-3\phi_2-2\phi_5))+b^r_{1,0,-3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(i(\phi_1-$

$3\phi_2 + 2\phi_4)) + b^r_{1,0,-3,0,2,0,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2 \exp(i(\phi_1 - 3\phi_2 + 2\phi_3)) +$

$b^r_{1,0,-5,0,0,0,0,0,0,0,0}\rho_1\rho_2^5 \exp(i(\phi_1 - 5\phi_2)) + b^r_{1,0,0,0,-1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3 \exp(i(\phi_1 - \phi_3 - \phi_4 - \phi_5)) + b^r_{1,0,0,0,-1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(i(\phi_1 - \phi_3 - \phi_4 - \phi_5)) +$

$b^r_{1,0,0,0,-1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3 \exp(i(\phi_1 - \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{1,0,0,0,-1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(i(\phi_1 - \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{1,0,0,0,-1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 - \phi_4 - \phi_5)) +$

$b^r_{1,0,0,0,-1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{1,0,0,0,-3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(i(\phi_1 - 3\phi_3 + \phi_4 - \phi_5)) +$

$b^r_{1,0,0,0,1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3 \exp(i(\phi_1 + \phi_3 - \phi_4 + \phi_5)) +$

$b^r_{1,0,0,0,1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(i(\phi_1 + \phi_3 - \phi_4 + \phi_5)) +$

$b^r_{1,0,0,0,1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(i(\phi_1 + \phi_3 - 3\phi_4 - \phi_5)) +$

$b^r_{1,0,0,0,1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3 \exp(i(\phi_1 + \phi_3 + \phi_4 - 3\phi_5)) +$

$b^r_{1,0,0,0,1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3 \exp(i(\phi_1 + \phi_3 + \phi_4 + 3\phi_5)) +$

$b^r_{1,0,0,0,1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(i(\phi_1 + \phi_3 + 3\phi_4 - \phi_5)) +$

$b^r_{1,0,0,0,1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(i(\phi_1 + \phi_3 - \phi_4 + \phi_5)) +$

$b^r_{1,0,0,0,3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(i(\phi_1 + 3\phi_3 + \phi_4 - \phi_5)) +$

$b^r_{1,0,0,1,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 - \phi_4 - \phi_5)) +$

$b^r_{1,0,0,1,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{1,0,0,1,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(i(\phi_1 + \phi_3 - \phi_4 + \phi_5)) +$

$b^r_{1,0,1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(i(\phi_1 + \phi_2 - 2\phi_3 - 2\phi_5)) +$

$b^r_{1,0,1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(i(\phi_1 + \phi_2 - 2\phi_3 + 2\phi_4)) +$

$b^r_{1,0,1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2 \exp(i(\phi_1 + \phi_2 - 2\phi_4 - 2\phi_5)) +$

$b^r_{1,0,1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4 \exp(i(\phi_1 + \phi_2)) + b^r_{1,0,1,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2 \exp(i(\phi_1 + \phi_2)) +$

$b^r_{1,0,1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4 \exp(i(\phi_1 + \phi_2)) + b^r_{1,0,1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2 \exp(i(\phi_1 + \phi_2 + 2\phi_4 + 2\phi_5)) + b^r_{1,0,1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(i(\phi_1 + \phi_2)) +$

$b^r_{1,0,1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(i(\phi_1 + \phi_2)) + b^r_{1,0,1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4 \exp(i(\phi_1 + \phi_2)) +$

$b^r_{1,0,1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(i(\phi_1 + \phi_2 + 2\phi_3 - 2\phi_4)) +$

$b^r_{1,0,1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(i(\phi_1 + \phi_2 + 2\phi_3 + 2\phi_5)) +$

$b^r_{1,0,1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2 \exp(i(\phi_1 + \phi_2)) + b^r_{1,0,1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2 \exp(i(\phi_1 + \phi_2)) +$

$b^r_{1,0,1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2 \exp(i(\phi_1 + \phi_2)) + b^r_{1,0,1,2,0,0,0,0,0,0}\rho_1\rho_2^5 \exp(i(\phi_1 + \phi_2)) +$

$b^r_{1,0,2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(i(\phi_1 + 2\phi_2 - \phi_3 + \phi_4 - \phi_5)) +$

$b^r_{1,0,2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(i(\phi_1 + 2\phi_2 + \phi_3 - \phi_4 - \phi_5)) +$

$b^r_{1,0,2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(i(\phi_1 + 2\phi_2 + \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{1,0,3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2 \exp(i(\phi_1 + 3\phi_2 - 2\phi_5)) + b^r_{1,0,3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2 \exp(i(\phi_1 + 3\phi_2 + 2\phi_4)) + b^r_{1,0,3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2 \exp(i(\phi_1 + 3\phi_2 + 2\phi_3)) +$

$b^r_{1,1,-1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2 \exp(i(\phi_1 - \phi_2 - 2\phi_3)) + b^r_{1,1,-1,0,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2 \exp(i(\phi_1 - \phi_2 - 2\phi_4)) + b^r_{1,1,-1,0,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2 \exp(i(\phi_1 - \phi_2 + 2\phi_5)) +$

$b^r_{1,1,0,0,-1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 - \phi_4 - \phi_5)) +$

$b^r_{1,1,0,0,-1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5 \exp(i(\phi_1 - \phi_3 + \phi_4 + \phi_5)) +$

$b^r_{1,1,0,0,1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5 \exp(i(\phi_1 + \phi_3 - \phi_4 + \phi_5)) +$

$b^r_{1,1,1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2 \exp(i(\phi_1 + \phi_2)) + b^r_{1,1,1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2 \exp(i(\phi_1 + \phi_2)) +$

$b^r_{1,1,1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2 \exp(i(\phi_1 + \phi_2)) + b^r_{1,1,1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3 \exp(i(\phi_1 + \phi_2)) +$

$$b^r_{1,2,1,0,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(i(\phi_1+\phi_2))+b^r_{2,0,-1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(2\phi_1-\phi_2-$$

$$\phi_3-\phi_4-\phi_5))+b^r_{2,0,-1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(2\phi_1-\phi_2-\phi_3+\phi_4+\phi_5))+$$

$$b^r_{2,0,-1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(2\phi_1-\phi_2+\phi_3-\phi_4+\phi_5))+$$

$$b^r_{2,0,-2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(i(2\phi_1-2\phi_2-2\phi_3))+$$

$$b^r_{2,0,-2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(i(2\phi_1-2\phi_2-2\phi_4))+$$

$$b^r_{2,0,-2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\exp(i(2\phi_1-2\phi_2+2\phi_5))+$$

$$b^r_{2,0,0,0,-2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\exp(i(2\phi_1-2\phi_3-2\phi_5))+$$

$$b^r_{2,0,0,0,-2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(i(2\phi_1-2\phi_3+2\phi_4))+$$

$$b^r_{2,0,0,0,0,0,-2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\exp(i(2\phi_1-2\phi_4-2\phi_5))+b^r_{2,0,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4\exp(2i\phi_1)+$$

$$b^r_{2,0,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2\exp(2i\phi_1)+b^r_{2,0,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4\exp(2i\phi_1)+$$

$$b^r_{2,0,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\exp(i(2\phi_1+2\phi_4+2\phi_5))+$$

$$b^r_{2,0,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\exp(2i\phi_1)+b^r_{2,0,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(2i\phi_1)+$$

$$b^r_{2,0,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4\exp(2i\phi_1)+b^r_{2,0,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(i(2\phi_1+2\phi_3-2\phi_4))+$$

$$b^r_{2,0,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\exp(i(2\phi_1+2\phi_3+2\phi_5))+$$

$$b^r_{2,0,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\exp(2i\phi_1)+b^r_{2,0,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(2i\phi_1)+$$

$$b^r_{2,0,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(2i\phi_1)+b^r_{2,0,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(2i\phi_1)+$$

$$b^r_{2,0,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(2\phi_1+\phi_2-\phi_3+\phi_4-\phi_5))+$$

$$b^r_{2,0,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(2\phi_1+\phi_2+\phi_3-\phi_4-\phi_5))+$$

$$b^r_{2,0,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(i(2\phi_1+\phi_2+\phi_3+\phi_4+\phi_5))+$$

$$b^r_{2,0,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\exp(i(2\phi_1+2\phi_2-2\phi_5))+$$

$$b^r_{2,0,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(i(2\phi_1+2\phi_2+2\phi_4))+$$

$$b^r_{2,0,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(i(2\phi_1+2\phi_2+2\phi_3))+b^r_{2,1,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\exp(2i\phi_1)+$$

$$b^r_{2,1,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\exp(2i\phi_1)+b^r_{2,1,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\exp(2i\phi_1)+$$

$$b^r_{2,1,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(2i\phi_1)+b^r_{2,2,0,0,0,0,0,0,0,0}\rho_1^6\exp(2i\phi_1)+$$

$$b^r_{3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\exp(i(3\phi_1-\phi_2))+b^r_{3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\exp(i(3\phi_1-\phi_2))+$$

$$b^r_{3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(i(3\phi_1-\phi_2))+b^r_{3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(i(3\phi_1-\phi_2))+$$

$$b^r_{3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(3\phi_1-\phi_3+\phi_4-\phi_5))+$$

$$b^r_{3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(3\phi_1+\phi_3-\phi_4-\phi_5))+$$

$$b^r_{3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(i(3\phi_1+\phi_3+\phi_4+\phi_5))+$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\exp(i(3\phi_1+\phi_2-2\phi_5))+b^r_{3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(i(3\phi_1+$$

$$\phi_2+2\phi_4))+b^r_{3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(i(3\phi_1+\phi_2+2\phi_3))+$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(i(3\phi_1-\phi_2))+b^r_{4,0,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(i(4\phi_1-2\phi_2))+$$

$$b^r_{4,0,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\exp(i(4\phi_1-2\phi_5))+b^r_{4,0,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\exp(i(4\phi_1+2\phi_4))+$$

$$b^r_{4,0,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\exp(i(4\phi_1+2\phi_3))$$

$$H^{(6)}_{-+}=b^r_{-1,0,-1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(-\phi_1-\phi_2-2\phi_3-2\phi_4))+$$

$$b^r_{-1,0,-1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(-\phi_1-\phi_2-2\phi_3+2\phi_5))+$$

$$b^r_{-1,0,-1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(-i(-\phi_1-\phi_2-4\phi_3))+b^r_{-1,0,-1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-$$

$$i(-\phi_1-\phi_2-2\phi_4+2\phi_5))+b^r_{-1,0,-1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\exp(-i(-\phi_1-\phi_2-4\phi_4))+$$

$$b^r_{-1,0,-1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\exp(-i(-\phi_1-\phi_2-2\phi_5))+b^r_{-1,0,-1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\exp(-i(-\phi_1-$$

$$\phi_2+4\phi_5))+b^r_{-1,0,-1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(-\phi_1-\phi_2-2\phi_5))+$$

$$b^r_{-1,0,-1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(-\phi_1-\phi_2+2\phi_4))+b^r_{-1,0,-1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\exp(-i(-$$

$$\phi_1 - \phi_2 + 2\phi_4)) + b^r_{-1,0,-1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(-i(-\phi_1 - \phi_2 - 2\phi_5))+$$

$$b^r_{-1,0,-1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(-i(-\phi_1 - \phi_2 + 2\phi_4))+$$

$$b^r_{-1,0,-1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(-i(-\phi_1 - \phi_2 + 2\phi_3))+$$

$$b^r_{-1,0,-1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(-i(-\phi_1 - \phi_2 + 2\phi_3)) + b^r_{-1,0,-1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4 \exp(-i(-$$
$$\phi_1 - \phi_2 + 2\phi_3)) + b^r_{-1,0,-1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2 \exp(-i(-\phi_1 - \phi_2 - 2\phi_5))+$$

$$b^r_{-1,0,-1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2 \exp(-i(-\phi_1 - \phi_2 + 2\phi_4)) + b^r_{-1,0,-1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2 \exp(-i(-$$
$$\phi_1 - \phi_2 + 2\phi_3)) + b^r_{-1,0,-2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 - 2\phi_2 - \phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{-1,0,-2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 - 2\phi_2 + \phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{-1,0,-2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 - 2\phi_2 + \phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{-1,0,-3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2 \exp(-i(-\phi_1 - 3\phi_2)) + b^r_{-1,0,-3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2 \exp(-i(-\phi_1-$$
$$3\phi_2)) + b^r_{-1,0,-3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2 \exp(-i(-\phi_1 - 3\phi_2)) + b^r_{-1,0,-3,1,0,0,0,0,0,0}\rho_1\rho_2^5 \exp(-i(-\phi_1-$$
$$3\phi_2)) + b^r_{-1,0,0,0,0,-1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3 \exp(-i(-\phi_1 - \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,0,0,-1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(-i(-\phi_1 - \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,0,0,-1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(-i(-\phi_1 - \phi_3 - 3\phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,-1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3 \exp(-i(-\phi_1 - \phi_3 + \phi_4 - 3\phi_5))+$$

$$b^r_{-1,0,0,0,0,-1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3 \exp(-i(-\phi_1 - \phi_3 + \phi_4 + 3\phi_5))+$$

$$b^r_{-1,0,0,0,0,-1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(-i(-\phi_1 - \phi_3 + 3\phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,-1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(-i(-\phi_1 - \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,0,0,-3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(-i(-\phi_1 - 3\phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,-3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(-i(-\phi_1 - 3\phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,0,0,1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3 \exp(-i(-\phi_1 + \phi_3 - \phi_4 - 3\phi_5))+$$

$$b^r_{-1,0,0,0,0,1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3 \exp(-i(-\phi_1 + \phi_3 - \phi_4 + 3\phi_5))+$$

$$b^r_{-1,0,0,0,0,1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(-i(-\phi_1 + \phi_3 - 3\phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,0,0,1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3 \exp(-i(-\phi_1 + \phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(-i(-\phi_1 + \phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5 \exp(-i(-\phi_1 + \phi_3 + 3\phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,0,0,1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(-i(-\phi_1 + \phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(-i(-\phi_1 + 3\phi_3 - \phi_4 - \phi_5))+$$

$$b^r_{-1,0,0,0,0,3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5 \exp(-i(-\phi_1 + 3\phi_3 + \phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,1,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 - \phi_3 - \phi_4 + \phi_5))+$$

$$b^r_{-1,0,0,1,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5 \exp(-i(-\phi_1 + \phi_3 + \phi_4 - \phi_5))+$$

$$b^r_{-1,0,1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 - 2\phi_3))+$$

$$b^r_{-1,0,1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(-i(-\phi_1 + \phi_2 - 2\phi_3)) + b^r_{-1,0,1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4 \exp(-i(-$$
$$\phi_1 + \phi_2 - 2\phi_3)) + b^r_{-1,0,1,0,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 - 2\phi_4))+$$

$$b^r_{-1,0,1,0,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^2 \exp(-i(-\phi_1 + \phi_2 - 2\phi_4)) + b^r_{-1,0,1,0,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4 \exp(-i(-\phi_1+$$
$$\phi_2 - 4\phi_5)) + b^r_{-1,0,1,0,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4 \exp(-i(-\phi_1 + \phi_2 + 2\phi_5))+$$

$$b^r_{-1,0,1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 + 2\phi_5))+$$

$$b^r_{-1,0,1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 + 2\phi_4 - 2\phi_5))+$$

$$b^r_{-1,0,1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4 \exp(-i(-\phi_1 + \phi_2 + 4\phi_4)) + b^r_{-1,0,1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(-i(-$$
$$\phi_1 + \phi_2 - 2\phi_4)) + b^r_{-1,0,1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 + 2\phi_5))+$$

$$b^r_{-1,0,1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2 \exp(-i(-\phi_1 + \phi_2 + 2\phi_3 - 2\phi_5))+$$

$$b^r_{-1,0,1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2 \exp(-i(-\phi_1 + \phi_2 + 2\phi_3 + 2\phi_4))+$$

$b^r_{-1,0,1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(-i(-\phi_1+\phi_2+4\phi_3))+b^r_{-1,0,1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(-i(-\phi_1+\phi_2-2\phi_3))+b^r_{-1,0,1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(-i(-\phi_1+\phi_2-2\phi_4))+$

$b^r_{-1,0,1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\exp(-i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,0,2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-\phi_1+2\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{-1,0,2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{-1,0,2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(-\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{-1,0,3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\exp(-i(-\phi_1+3\phi_2))+b^r_{-1,0,3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\exp(-i(-\phi_1+3\phi_2))+b^r_{-1,0,3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(-i(-\phi_1+3\phi_2))+b^r_{-1,0,3,1,0,0,0,0,0,0}\rho_1\rho_2^5\exp(-i(-\phi_1+3\phi_2))+b^r_{-1,1,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\exp(-i(-\phi_1-\phi_2-2\phi_5))+$

$b^r_{-1,1,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(-\phi_1-\phi_2+2\phi_4))+b^r_{-1,1,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(-\phi_1-\phi_2+2\phi_3))+b^r_{-1,1,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(-i(-\phi_1-3\phi_2))+$

$b^r_{-1,1,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(-\phi_1-\phi_3-\phi_4+\phi_5))+$

$b^r_{-1,1,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(-\phi_1+\phi_3+\phi_4-\phi_5))+$

$b^r_{-1,1,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(-\phi_1+\phi_2-2\phi_3))+b^r_{-1,1,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(-\phi_1+\phi_2-2\phi_4))+b^r_{-1,1,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\exp(-i(-\phi_1+\phi_2+2\phi_5))+$

$b^r_{-1,1,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(-i(-\phi_1+3\phi_2))+b^r_{-2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1-\phi_2-\phi_3+\phi_4-\phi_5))+b^r_{-2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1-\phi_2+\phi_3-\phi_4-\phi_5))+b^r_{-2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{-2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\exp(-i(-2\phi_1-2\phi_2))+b^r_{-2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-i(-2\phi_1-2\phi_2))+b^r_{-2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-i(-2\phi_1-2\phi_2))+$

$b^r_{-2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(-i(-2\phi_1-2\phi_2))+b^r_{-2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-i(-2\phi_1-2\phi_3-2\phi_4))+b^r_{-2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\exp(-i(-2\phi_1-2\phi_3+2\phi_5))+$

$b^r_{-2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\exp(-i(-2\phi_1-4\phi_3))+b^r_{-2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\exp(-i(-2\phi_1-2\phi_4+2\phi_5))+b^r_{-2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\exp(-i(-2\phi_1-4\phi_4))+b^r_{-2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\exp(-i(-2\phi_1-2\phi_5))+b^r_{-2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\exp(-i(-2\phi_1+4\phi_5))+$

$b^r_{-2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\exp(-i(-2\phi_1-2\phi_5))+b^r_{-2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\exp(-i(-2\phi_1+2\phi_4))+b^r_{-2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\exp(-i(-2\phi_1+2\phi_4))+$

$b^r_{-2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\exp(-i(-2\phi_1-2\phi_5))+b^r_{-2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-i(-2\phi_1+2\phi_4))+b^r_{-2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\exp(-i(-2\phi_1+2\phi_3))+$

$b^r_{-2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-i(-2\phi_1+2\phi_3))+b^r_{-2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\exp(-i(-2\phi_1+2\phi_3))+b^r_{-2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\exp(-i(-2\phi_1-2\phi_5))+$

$b^r_{-2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-i(-2\phi_1+2\phi_4))+b^r_{-2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-i(-2\phi_1+2\phi_3))+b^r_{-2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1+\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{-2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{-2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-i(-2\phi_1+2\phi_2-2\phi_3))+$

$b^r_{-2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-i(-2\phi_1+2\phi_2-2\phi_4))+b^r_{-2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\exp(-i(-2\phi_1+2\phi_2+2\phi_5))+b^r_{-2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(-i(-2\phi_1+4\phi_2))+$

$b^r_{-2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(-i(-2\phi_1-2\phi_2))+b^r_{-2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\exp(-i(-2\phi_1-2\phi_5))+$

$b^r_{-2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\exp(-i(-2\phi_1+2\phi_4))+b^r_{-2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\exp(-i(-2\phi_1+2\phi_3))+$

$b^r_{-3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\exp(-i(-3\phi_1-\phi_2))+b^r_{-3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(-3\phi_1-\phi_2))+b^r_{-3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(-3\phi_1-\phi_2))+b^r_{-3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(-i(-3\phi_1-\phi_2))+b^r_{-3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(-3\phi_1-\phi_3+\phi_4-\phi_5))+$

$b^r_{-3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(-3\phi_1+\phi_3-\phi_4-\phi_5))+$

$b^r_{-3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(-3\phi_1+\phi_3+\phi_4+\phi_5))+$

$b^r_{-3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\exp(-i(-3\phi_1+\phi_2-2\phi_5))+b^r_{-3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(-3\phi_1+\phi_2+2\phi_4))+b^r_{-3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(-3\phi_1+\phi_2+2\phi_3))+$

$b^r_{-3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(-i(-3\phi_1-\phi_2))+b^r_{-4,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\exp(4i\phi_1)+$

$b^r_{-4,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\exp(4i\phi_1)+b^r_{-4,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\exp(4i\phi_1)+$

$b^r_{-4,0,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(4i\phi_1)+b^r_{-4,1,0,0,0,0,0,0,0,0}\rho_1^6\exp(4i\phi_1)+$

$b^r_{-5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(-i(-5\phi_1+\phi_2))+b^r_{0,0,-1,0,-1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(-\phi_2-\phi_3-\phi_4+\phi_5))+b^r_{0,0,-1,0,-1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(-\phi_2-\phi_3-3\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,-1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(-\phi_2-\phi_3+\phi_4-3\phi_5))+$

$b^r_{0,0,-1,0,-1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(-\phi_2-\phi_3+\phi_4+3\phi_5))+$

$b^r_{0,0,-1,0,-1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(-\phi_2-\phi_3+3\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,-1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(-\phi_2-3\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,-3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(-\phi_2-3\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(-\phi_2+\phi_3-\phi_4-3\phi_5))+$

$b^r_{0,0,-1,0,1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(-\phi_2+\phi_3-\phi_4+3\phi_5))+$

$b^r_{0,0,-1,0,1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(-\phi_2+\phi_3-3\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(-\phi_2+\phi_3+3\phi_4+\phi_5))+$

$b^r_{0,0,-1,0,1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(-\phi_2+3\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,-1,0,3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(-\phi_2+3\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,-1,1,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,-1,1,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-i(-2\phi_2-2\phi_3-2\phi_4))+$

$b^r_{0,0,-2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\exp(-i(-2\phi_2-2\phi_3+2\phi_5))+b^r_{0,0,-2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\exp(-i(-2\phi_2-4\phi_3))+b^r_{0,0,-2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\exp(-i(-2\phi_2-2\phi_4+2\phi_5))+$

$b^r_{0,0,-2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\exp(-i(-2\phi_2-4\phi_4))+b^r_{0,0,-2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\exp(-i(-2\phi_2-2\phi_5))+$

$b^r_{0,0,-2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\exp(-i(-2\phi_2+4\phi_5))+b^r_{0,0,-2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\exp(-i(-2\phi_2-2\phi_5))+b^r_{0,0,-2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\exp(-i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\exp(-i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\exp(-i(-2\phi_2-2\phi_5))+$

$b^r_{0,0,-2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\exp(-i(-2\phi_2+2\phi_3))+b^r_{0,0,-2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-i(-2\phi_2+2\phi_3))+$

$b^r_{0,0,-2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\exp(-i(-2\phi_2+2\phi_3))+b^r_{0,0,-2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\exp(-i(-2\phi_2-2\phi_5))+$

$b^r_{0,0,-2,1,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\exp(-i(-2\phi_2+2\phi_4))+b^r_{0,0,-2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\exp(-i(-2\phi_2+2\phi_3))+$

$b^r_{0,0,-3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(-3\phi_2-\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,-3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(-3\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,-3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(-3\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,-4,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\exp(4i\phi_2)+b^r_{0,0,-4,0,0,0,0,1,0,0}\rho_2^4\rho_4^2\exp(4i\phi_2)+$

$b^r_{0,0,-4,0,0,1,0,0,0,0}\rho_2^4\rho_3^2\exp(4i\phi_2) + b^r_{0,0,-4,1,0,0,0,0,0,0}\rho_2^6\exp(4i\phi_2)+$

$b^r_{0,0,0,0,-2,0,-2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\exp(-i(-2\phi_3-2\phi_4-2\phi_5))+$

$b^r_{0,0,0,0,-2,0,0,0,0,2}\rho_3^2\rho_5^4\exp(2i\phi_3) + b^r_{0,0,0,0,-2,0,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2\exp(2i\phi_3)+$

$b^r_{0,0,0,0,-2,0,0,2,0,0}\rho_3^2\rho_4^4\exp(2i\phi_3) + b^r_{0,0,0,0,-2,0,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\exp(-i(-2\phi_3+2\phi_4+2\phi_5))+$

$b^r_{0,0,0,0,-2,1,0,0,0,1}\rho_3^4\rho_5^2\exp(2i\phi_3) + b^r_{0,0,0,0,-2,1,0,1,0,0}\rho_3^4\rho_4^2\exp(2i\phi_3)+$

$b^r_{0,0,0,0,-2,2,0,0,0,0}\rho_3^6\exp(2i\phi_3) + b^r_{0,0,0,0,-4,0,0,0,-2,0}\rho_3^4\rho_5^2\exp(-i(-4\phi_3-2\phi_5))+$

$b^r_{0,0,0,0,-4,0,2,0,0,0}\rho_3^4\rho_4^2\exp(-i(-4\phi_3+2\phi_4)) + b^r_{0,0,0,0,0,0,-2,0,0,2}\rho_4^2\rho_5^4\exp(2i\phi_4)+$

$b^r_{0,0,0,0,0,0,-2,1,0,1}\rho_4^4\rho_5^2\exp(2i\phi_4) + b^r_{0,0,0,0,0,0,-2,2,0,0}\rho_4^6\exp(2i\phi_4)+$

$b^r_{0,0,0,0,0,0,-4,0,-2,0}\rho_4^4\rho_5^2\exp(-i(-4\phi_4-2\phi_5)) + b^r_{0,0,0,0,0,0,0,0,-4,1}\rho_5^6\exp(4i\phi_5)+$

$b^r_{0,0,0,0,0,0,0,0,2,2}\rho_5^6\exp(-2i\phi_5) + b^r_{0,0,0,0,0,0,0,1,-4,0}\rho_4^2\rho_5^4\exp(4i\phi_5)+$

$b^r_{0,0,0,0,0,0,0,1,2,1}\rho_4^2\rho_5^4\exp(-2i\phi_5) + b^r_{0,0,0,0,0,0,0,2,2,0}\rho_4^4\rho_5^2\exp(-2i\phi_5)+$

$b^r_{0,0,0,0,0,0,2,0,-2,1}\rho_4^2\rho_5^4\exp(-i(2\phi_4-2\phi_5)) + b^r_{0,0,0,0,0,0,2,0,4,0}\rho_4^2\rho_5^4\exp(-i(2\phi_4+4\phi_5))+$

$b^r_{0,0,0,0,0,0,2,1,-2,0}\rho_4^4\rho_5^2\exp(-i(2\phi_4-2\phi_5)) + b^r_{0,0,0,0,0,0,4,0,0,1}\rho_4^4\rho_5^2\exp(-4i\phi_4)+$

$b^r_{0,0,0,0,0,0,4,1,0,0}\rho_4^6\exp(-4i\phi_4) + b^r_{0,0,0,0,0,1,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\exp(2i\phi_4)+$

$b^r_{0,0,0,0,0,1,-2,1,0,0}\rho_3^2\rho_4^4\exp(2i\phi_4) + b^r_{0,0,0,0,0,1,0,0,-4,0}\rho_3^2\rho_5^4\exp(4i\phi_5)+$

$b^r_{0,0,0,0,0,1,0,0,2,1}\rho_3^2\rho_5^4\exp(-2i\phi_5) + b^r_{0,0,0,0,0,1,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\exp(-2i\phi_5)+$

$b^r_{0,0,0,0,0,1,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\exp(-i(2\phi_4-2\phi_5)) + b^r_{0,0,0,0,0,1,4,0,0,0}\rho_3^2\rho_4^4\exp(-4i\phi_4)+$

$b^r_{0,0,0,0,0,2,-2,0,0,0}\rho_3^4\rho_4^2\exp(2i\phi_4) + b^r_{0,0,0,0,0,2,0,0,2,0}\rho_3^4\rho_5^2\exp(-2i\phi_5)+$

$b^r_{0,0,0,0,2,0,-2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\exp(-i(2\phi_3-2\phi_4+2\phi_5)) + b^r_{0,0,0,0,2,0,-4,0,0,0}\rho_3^2\rho_4^4\exp(-i(2\phi_3-4\phi_4)) + b^r_{0,0,0,0,2,0,0,0,-2,1}\rho_3^2\rho_5^4\exp(-i(2\phi_3-2\phi_5)) + b^r_{0,0,0,0,2,0,0,0,4,0}\rho_3^2\rho_5^4\exp(-i(2\phi_3+4\phi_5)) + b^r_{0,0,0,0,2,0,0,1,-2,0}\rho_3^2\rho_4^2\rho_5^2\exp(-i(2\phi_3-2\phi_5)) + b^r_{0,0,0,0,2,0,2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\exp(-i(2\phi_3+2\phi_4)) + b^r_{0,0,0,0,2,0,2,1,0,0}\rho_3^2\rho_4^4\exp(-i(2\phi_3+2\phi_4)) + b^r_{0,0,0,0,2,1,0,0,-2,0}\rho_3^4\rho_5^2\exp(-i(2\phi_3-2\phi_5)) + b^r_{0,0,0,0,2,1,2,0,0,0}\rho_3^4\rho_4^2\exp(-i(2\phi_3+2\phi_4)) + b^r_{0,0,0,0,4,0,0,0,0,1}\rho_3^4\rho_5^2\exp(-4i\phi_3) + b^r_{0,0,0,0,4,0,0,1,0,0}\rho_3^4\rho_4^2\exp(-4i\phi_3) + b^r_{0,0,0,0,4,1,0,0,0,0}\rho_3^6\exp(-4i\phi_3)+$

$b^r_{0,0,0,1,-2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\exp(2i\phi_3) + b^r_{0,0,0,1,-2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(2i\phi_3)+$

$b^r_{0,0,0,1,-2,1,0,0,0,0}\rho_2^2\rho_3^4\exp(2i\phi_3) + b^r_{0,0,0,1,0,0,-2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\exp(2i\phi_4)+$

$b^r_{0,0,0,1,0,0,-2,1,0,0}\rho_2^2\rho_4^4\exp(2i\phi_4) + b^r_{0,0,0,1,0,0,0,0,-4,0}\rho_2^2\rho_5^4\exp(4i\phi_5)+$

$b^r_{0,0,0,1,0,0,0,0,2,1}\rho_2^2\rho_5^4\exp(-2i\phi_5) + b^r_{0,0,0,1,0,0,0,1,2,0}\rho_2^2\rho_4^2\rho_5^2\exp(-2i\phi_5)+$

$b^r_{0,0,0,1,0,0,2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\exp(-i(2\phi_4-2\phi_5)) + b^r_{0,0,0,1,0,0,4,0,0,0}\rho_2^2\rho_4^4\exp(-4i\phi_4)+$

$b^r_{0,0,0,1,0,1,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(2i\phi_4) + b^r_{0,0,0,1,0,1,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\exp(-2i\phi_5)+$

$b^r_{0,0,0,1,2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\exp(-i(2\phi_3-2\phi_5)) + b^r_{0,0,0,1,2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-i(2\phi_3+2\phi_4)) + b^r_{0,0,0,1,4,0,0,0,0,0}\rho_2^2\rho_3^4\exp(-4i\phi_3) + b^r_{0,0,0,2,-2,0,0,0,0,0}\rho_2^4\rho_3^2\exp(2i\phi_3)+$

$b^r_{0,0,0,2,0,0,-2,0,0,0}\rho_2^4\rho_4^2\exp(2i\phi_4) + b^r_{0,0,0,2,0,0,0,0,0,2,0}\rho_2^4\rho_5^2\exp(-2i\phi_5)+$

$b^r_{0,0,1,0,-1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,1,0,-1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,1,0,-1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,1,0,-1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,1,0,-1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,1,0,-1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,1,0,-3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(\phi_2-3\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,1,0,1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,1,0,1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,1,0,1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(\phi_2+\phi_3-3\phi_4-\phi_5))+$

$b^r_{0,0,1,0,1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(\phi_2+\phi_3+\phi_4-3\phi_5))+$

$b^r_{0,0,1,0,1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\exp(-i(\phi_2+\phi_3+\phi_4+3\phi_5))+$

$b^r_{0,0,1,0,1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\exp(-i(\phi_2+\phi_3+3\phi_4-\phi_5))+$

$b^r_{0,0,1,0,1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,1,0,3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\exp(-i(\phi_2+3\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,1,1,-1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,1,1,-1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{0,0,1,1,1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{0,0,2,0,-2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\exp(-i(2\phi_2-2\phi_3-2\phi_5))+b^r_{0,0,2,0,-2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-i(2\phi_2-2\phi_3+2\phi_4))+b^r_{0,0,2,0,0,0,-2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\exp(-i(2\phi_2-2\phi_4-2\phi_5))+$

$b^r_{0,0,2,0,0,0,0,0,0,2}\rho_2^2\rho_5^4\exp(-2i\phi_2)+b^r_{0,0,2,0,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2\exp(-2i\phi_2)+$

$b^r_{0,0,2,0,0,0,0,0,2,0,0}\rho_2^2\rho_4^4\exp(-2i\phi_2)+b^r_{0,0,2,0,0,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\exp(-i(2\phi_2+2\phi_4+2\phi_5))+$

$b^r_{0,0,2,0,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\exp(-2i\phi_2)+b^r_{0,0,2,0,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-2i\phi_2)+$

$b^r_{0,0,2,0,0,2,0,0,0,0}\rho_2^2\rho_3^4\exp(-2i\phi_2)+b^r_{0,0,2,0,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\exp(-i(2\phi_2+2\phi_3-2\phi_4))+$

$b^r_{0,0,2,0,2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\exp(-i(2\phi_2+2\phi_3+2\phi_5))+b^r_{0,0,2,1,0,0,0,0,0,1}\rho_2^4\rho_5^2\exp(-2i\phi_2)+$

$b^r_{0,0,2,1,0,0,0,1,0,0}\rho_2^4\rho_4^2\exp(-2i\phi_2)+b^r_{0,0,2,1,0,1,0,0,0,0}\rho_2^4\rho_3^2\exp(-2i\phi_2)+$

$b^r_{0,0,2,2,0,0,0,0,0,0}\rho_2^6\exp(-2i\phi_2)+b^r_{0,0,3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(3\phi_2-\phi_3+\phi_4-\phi_5))+$

$b^r_{0,0,3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(3\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{0,0,3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\exp(-i(3\phi_2+\phi_3+\phi_4+\phi_5))+b^r_{0,0,4,0,0,0,0,0,-2,0}\rho_2^4\rho_5^2\exp(-i(4\phi_2-2\phi_5))+b^r_{0,0,4,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\exp(-i(4\phi_2+2\phi_4))+b^r_{0,0,4,0,2,0,0,0,0,0}\rho_2^4\rho_3^2\exp(-i(4\phi_2+2\phi_3))+b^r_{0,1,-1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{0,1,-1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(-\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{0,1,-2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\exp(-i(-2\phi_2-2\phi_5))+b^r_{0,1,-2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-i(-2\phi_2+2\phi_4))+b^r_{0,1,-2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-i(-2\phi_2+2\phi_3))+$

$b^r_{0,1,-4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(4i\phi_2)+b^r_{0,1,0,0,-2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\exp(2i\phi_3)+$

$b^r_{0,1,0,0,-2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(2i\phi_3)+b^r_{0,1,0,0,-2,1,0,0,0,0}\rho_1^2\rho_3^4\exp(2i\phi_3)+$

$b^r_{0,1,0,0,0,0,-2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\exp(2i\phi_4)+b^r_{0,1,0,0,0,0,-2,1,0,0}\rho_1^2\rho_4^4\exp(2i\phi_4)+$

$b^r_{0,1,0,0,0,0,0,0,-4,0}\rho_1^2\rho_5^4\exp(4i\phi_5)+b^r_{0,1,0,0,0,0,0,0,2,1}\rho_1^2\rho_5^4\exp(-2i\phi_5)+$

$b^r_{0,1,0,0,0,0,0,1,2,0}\rho_1^2\rho_4^2\rho_5^2\exp(-2i\phi_5)+b^r_{0,1,0,0,0,0,2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\exp(-i(2\phi_4-2\phi_5))+$

$b^r_{0,1,0,0,0,0,4,0,0,0}\rho_1^2\rho_4^4\exp(-4i\phi_4)+b^r_{0,1,0,0,0,1,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(2i\phi_4)+$

$b^r_{0,1,0,0,0,1,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\exp(-2i\phi_5)+b^r_{0,1,0,0,2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\exp(-i(2\phi_3-2\phi_5))+$

$b^r_{0,1,0,0,2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-i(2\phi_3+2\phi_4))+b^r_{0,1,0,0,4,0,0,0,0,0}\rho_1^2\rho_3^4\exp(-4i\phi_3)+$

$b^r_{0,1,0,1,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(2i\phi_3)+b^r_{0,1,0,1,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(2i\phi_4)+$

$b^r_{0,1,0,1,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\exp(-2i\phi_5)+b^r_{0,1,1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_2-\phi_3-\phi_4-\phi_5))+b^r_{0,1,1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{0,1,1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{0,1,2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\exp(-2i\phi_2)+b^r_{0,1,2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-2i\phi_2)+$

$b^r_{0,1,2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-2i\phi_2)+b^r_{0,1,2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(-2i\phi_2)+$

$b^r_{0,2,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\exp(2i\phi_3)+b^r_{0,2,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\exp(2i\phi_4)+$

$b^r_{0,2,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\exp(-2i\phi_5)+b^r_{0,2,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(-2i\phi_2)+$

$b^r_{1,0,-1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_1-\phi_2-2\phi_3))+$

$b^r_{1,0,-1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_1-\phi_2-2\phi_3))+b^r_{1,0,-1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(-i(\phi_1-\phi_2-2\phi_3))+b^r_{1,0,-1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_1-\phi_2-2\phi_4))+$

$b^r_{1,0,-1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\exp(-i(\phi_1-\phi_2-2\phi_4))+b^r_{1,0,-1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\exp(-i(\phi_1-\phi_2-4\phi_5))+b^r_{1,0,-1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\exp(-i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_4-2\phi_5))+$

$b^r_{1,0,-1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\exp(-i(\phi_1-\phi_2+4\phi_4))+b^r_{1,0,-1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_1-\phi_2-2\phi_4))+b^r_{1,0,-1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_3-2\phi_5))+$

$b^r_{1,0,-1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_1-\phi_2+2\phi_3+2\phi_4))+$

$b^r_{1,0,-1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(-i(\phi_1-\phi_2+4\phi_3))+b^r_{1,0,-1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(-i(\phi_1-\phi_2-2\phi_3))+b^r_{1,0,-1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(-i(\phi_1-\phi_2-2\phi_4))+$

$b^r_{1,0,-1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,0,-2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1-2\phi_2-\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,-2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1-2\phi_2+\phi_3+\phi_4-\phi_5))+$

$b^r_{1,0,-3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\exp(-i(\phi_1-3\phi_2-2\phi_5))+b^r_{1,0,-3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(-i(\phi_1-3\phi_2+2\phi_4))+b^r_{1,0,-3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(-i(\phi_1-3\phi_2+2\phi_3))+$

$b^r_{1,0,-5,0,0,0,0,0,0,0}\rho_1\rho_2^5\exp(-i(\phi_1-5\phi_2))+b^r_{1,0,0,0,-1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\exp(-i(\phi_1-\phi_3-\phi_4-\phi_5))+b^r_{1,0,0,0,-1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(-i(\phi_1-\phi_3-\phi_4-\phi_5))+$

$b^r_{1,0,0,0,-1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\exp(-i(\phi_1-\phi_3+\phi_4+\phi_5))+$

$b^r_{1,0,0,0,-1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(-i(\phi_1-\phi_3+\phi_4+\phi_5))+$

$b^r_{1,0,0,0,-1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(-i(\phi_1-\phi_3-\phi_4-\phi_5))+$

$b^r_{1,0,0,0,-1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(-i(\phi_1-\phi_3+\phi_4+\phi_5))+$

$b^r_{1,0,0,0,-3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(-i(\phi_1-3\phi_3+\phi_4-\phi_5))+$

$b^r_{1,0,0,0,1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\exp(-i(\phi_1+\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,0,0,1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(-i(\phi_1+\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,0,0,1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(-i(\phi_1+\phi_3-3\phi_4-\phi_5))+$

$b^r_{1,0,0,0,1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\exp(-i(\phi_1+\phi_3+\phi_4-3\phi_5))+$

$b^r_{1,0,0,0,1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\exp(-i(\phi_1+\phi_3+\phi_4+3\phi_5))+$

$b^r_{1,0,0,0,1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\exp(-i(\phi_1+\phi_3+3\phi_4-\phi_5))+$

$b^r_{1,0,0,0,1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(-i(\phi_1+\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,0,0,3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\exp(-i(\phi_1+3\phi_3+\phi_4-\phi_5))+$

$b^r_{1,0,0,1,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_3-\phi_4-\phi_5))+$

$b^r_{1,0,0,1,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_3+\phi_4+\phi_5))+$

$b^r_{1,0,0,1,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1+\phi_3-\phi_4+\phi_5))+$

$b^r_{1,0,1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_1+\phi_2-2\phi_3-2\phi_5))+$

$b^r_{1,0,1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_1+\phi_2-2\phi_3+2\phi_4))+$

$b^r_{1,0,1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_1+\phi_2-2\phi_4-2\phi_5))+$

$b^r_{1,0,1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\exp(-i(\phi_1+\phi_2))+b^r_{1,0,1,0,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_1+\phi_2))+b^r_{1,0,1,0,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\exp(-i(\phi_1+\phi_2))+b^r_{1,0,1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\exp(-i(\phi_1+\phi_2+2\phi_4+2\phi_5))+b^r_{1,0,1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_1+\phi_2))+$

$b^r_{1,0,1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_1+\phi_2))+b^r_{1,0,1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\exp(-i(\phi_1+$

$\phi_2)) + b^r_{1,0,1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\exp(-i(\phi_1+\phi_2+2\phi_3-2\phi_4))+$

$b^r_{1,0,1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\exp(-i(\phi_1+\phi_2+2\phi_3+2\phi_5))+$

$b^r_{1,0,1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,0,1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\exp(-i(\phi_1+\phi_2))+$

$b^r_{1,0,1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,0,1,2,0,0,0,0,0,0}\rho_1\rho_2^5\exp(-i(\phi_1+\phi_2))+$

$b^r_{1,0,2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1+2\phi_2-\phi_3+\phi_4-\phi_5))+$

$b^r_{1,0,2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1+2\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{1,0,2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\exp(-i(\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{1,0,3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\exp(-i(\phi_1+3\phi_2-2\phi_5)) + b^r_{1,0,3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\exp(-i(\phi_1+3\phi_2+2\phi_4)) + b^r_{1,0,3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\exp(-i(\phi_1+3\phi_2+2\phi_3))+$

$b^r_{1,1,-1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(\phi_1-\phi_2-2\phi_3)) + b^r_{1,1,-1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(\phi_1-\phi_2-2\phi_4)) + b^r_{1,1,-1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\exp(-i(\phi_1-\phi_2+2\phi_5))+$

$b^r_{1,1,0,0,-1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_3-\phi_4-\phi_5))+$

$b^r_{1,1,0,0,-1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(\phi_1-\phi_3+\phi_4+\phi_5))+$

$b^r_{1,1,0,0,1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(\phi_1+\phi_3-\phi_4+\phi_5)) + b^r_{1,1,1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,1,1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,1,1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(\phi_1+\phi_2)) + b^r_{1,1,1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(-i(\phi_1+\phi_2)) + b^r_{1,2,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(-i(\phi_1+\phi_2)) + b^r_{2,0,-1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(2\phi_1-\phi_2-\phi_3-\phi_4-\phi_5))+$

$b^r_{2,0,-1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(2\phi_1-\phi_2-\phi_3+\phi_4+\phi_5))+$

$b^r_{2,0,-1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(2\phi_1-\phi_2+\phi_3-\phi_4+\phi_5))+$

$b^r_{2,0,-2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-i(2\phi_1-2\phi_2-2\phi_3)) + b^r_{2,0,-2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-i(2\phi_1-2\phi_2-2\phi_4)) + b^r_{2,0,-2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\exp(-i(2\phi_1-2\phi_2+2\phi_5))+$

$b^r_{2,0,0,0,-2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\exp(-i(2\phi_1-2\phi_3-2\phi_5)) + b^r_{2,0,0,0,-2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-i(2\phi_1-2\phi_3+2\phi_4)) + b^r_{2,0,0,0,0,0,-2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\exp(-i(2\phi_1-2\phi_4-2\phi_5))+$

$b^r_{2,0,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4\exp(-2i\phi_1) + b^r_{2,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2\exp(-2i\phi_1)+$

$b^r_{2,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4\exp(-2i\phi_1) + b^r_{2,0,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\exp(-i(2\phi_1+2\phi_4+2\phi_5))+$

$b^r_{2,0,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\exp(-2i\phi_1) + b^r_{2,0,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-2i\phi_1)+$

$b^r_{2,0,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4\exp(-2i\phi_1) + b^r_{2,0,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\exp(-i(2\phi_1+2\phi_3-2\phi_4))+$

$b^r_{2,0,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\exp(-i(2\phi_1+2\phi_3+2\phi_5)) + b^r_{2,0,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\exp(-2i\phi_1) + b^r_{2,0,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-2i\phi_1) + b^r_{2,0,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-2i\phi_1)+$

$b^r_{2,0,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4\exp(-2i\phi_1) + b^r_{2,0,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(2\phi_1+\phi_2-\phi_3+\phi_4-\phi_5)) + b^r_{2,0,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(2\phi_1+\phi_2+\phi_3-\phi_4-\phi_5))+$

$b^r_{2,0,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\exp(-i(2\phi_1+\phi_2+\phi_3+\phi_4+\phi_5))+$

$b^r_{2,0,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\exp(-i(2\phi_1+2\phi_2-2\phi_5)) + b^r_{2,0,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\exp(-i(2\phi_1+2\phi_2+2\phi_4)) + b^r_{2,0,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\exp(-i(2\phi_1+2\phi_2+2\phi_3))+$

$b^r_{2,1,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\exp(-2i\phi_1) + b^r_{2,1,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\exp(-2i\phi_1)+$

$b^r_{2,1,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\exp(-2i\phi_1) + b^r_{2,1,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(-2i\phi_1)+$

$b^r_{2,2,0,0,0,0,0,0,0,0}\rho_1^6\exp(-2i\phi_1) + b^r_{3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\exp(-i(3\phi_1-\phi_2))+$

$b^r_{3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(3\phi_1-\phi_2)) + b^r_{3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(3\phi_1-\phi_2)) + b^r_{3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\exp(-i(3\phi_1-\phi_2)) + b^r_{3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(3\phi_1-\phi_3+\phi_4-\phi_5)) + b^r_{3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(3\phi_1+\phi_3-\phi_4-\phi_5))+$

$b^r_{3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\exp(-i(3\phi_1+\phi_3+\phi_4+\phi_5)) + b^r_{3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\exp(-i(3\phi_1+\phi_2-2\phi_5)) + b^r_{3,0,1,0,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\exp(-i(3\phi_1+\phi_2+2\phi_4))+$

$$b^r_{3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\exp(-i(3\phi_1+\phi_2+2\phi_3)) + b^r_{3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\exp(-i(3\phi_1-\phi_2)) + b^r_{4,0,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\exp(-i(4\phi_1-2\phi_2)) + b^r_{4,0,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\exp(-i(4\phi_1-2\phi_5)) + b^r_{4,0,0,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\exp(-i(4\phi_1+2\phi_4)) + b^r_{4,0,0,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\exp(-i(4\phi_1+2\phi_3))$$

Cartesian e-coordinates:

$$H^{(6)}_{++} = a^r_{0,0,0,0,0,0,0,0,0,0,3}(x_5^2+y_5^2)^3 + a^r_{0,0,0,0,0,0,0,0,6,0}(x_5-y_5)(x_5+y_5)(x_5^2-4x_5y_5+y_5^2)(x_5^2+4x_5y_5+y_5^2)+$$
$$a^r_{0,0,0,0,0,0,0,1,0,2}(x_4^2+y_4^2)(x_5^2+y_5^2)^2 + a^r_{0,0,0,0,0,0,0,2,0,1}(x_4^2+y_4^2)^2(x_5^2+y_5^2)+$$
$$a^r_{0,0,0,0,0,0,0,3,0,0}(x_4^2+y_4^2)^3 + a^r_{0,0,0,0,0,0,2,0,-4,0}(x_4(x_5^2-2x_5y_5-y_5^2)+y_4(x_5^2+2x_5y_5-$$
$$y_5^2))(x_4(x_5^2+2x_5y_5-y_5^2)+y_4(-x_5^2+2x_5y_5+y_5^2)) + a^r_{0,0,0,0,0,0,2,0,2,1}(x_5^2+y_5^2)(x_4(x_5-y_5)+y_4(-$$
$$x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5)) + a^r_{0,0,0,0,0,0,2,1,2,0}(x_4^2+y_4^2)(x_4(x_5-y_5)+y_4(-x_5-y_5))(x_4(x_5+y_5)+$$
$$y_4(x_5-y_5)) + a^r_{0,0,0,0,0,0,4,0,-2,0}(x_4(-2x_5y_4+2y_4y_5)+x_5(x_4^2-y_4^2)+y_5(x_4^2-y_4^2))(x_4(2x_5y_4+$$
$$2y_4y_5)+x_5(x_4^2-y_4^2)+y_5(-x_4^2+y_4^2)) + a^r_{0,0,0,0,0,0,6,0,0,0}(x_4-y_4)(x_4+y_4)(x_4^2-4x_4y_4+y_4^2)(x_4^2+$$
$$4x_4y_4+y_4^2) + a^r_{0,0,0,0,0,1,0,0,0,2}(x_3^2+y_3^2)(x_5^2+y_5^2)^2 + a^r_{0,0,0,0,0,1,0,1,0,1}(x_3^2+y_3^2)(x_4^2+$$
$$y_4^2)(x_5^2+y_5^2) + a^r_{0,0,0,0,0,1,0,2,0,0}(x_3^2+y_3^2)(x_4^2+y_4^2)^2 + a^r_{0,0,0,0,0,1,2,0,2,0}(x_3^2+y_3^2)(x_4(x_5-y_5)+$$
$$y_4(-x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5)) + a^r_{0,0,0,0,0,2,0,0,0,1}(x_3^2+y_3^2)^2(x_5^2+y_5^2) + a^r_{0,0,0,0,0,2,0,1,0,0}(x_3^2+$$
$$y_3^2)^2(x_4^2+y_4^2) + a^r_{0,0,0,0,0,3,0,0,0,0}(x_3^2+y_3^2)^3 + a^r_{0,0,0,0,2,0,-2,0,0,1}(x_5^2+y_5^2)(x_3(x_4-y_4)+y_3(x_4+$$
$$y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4)) + a^r_{0,0,0,0,2,0,-2,1,0,0}(x_4^2+y_4^2)(x_3(x_4-y_4)+y_3(x_4+y_4))(x_3(x_4+y_4)+y_3(-$$
$$x_4+y_4)) + a^r_{0,0,0,0,2,0,0,0,-4,0}(x_3(x_5^2-2x_5y_5-y_5^2)+y_3(x_5^2+2x_5y_5-y_5^2))(x_3(x_5^2+2x_5y_5-y_5^2)+$$
$$y_3(-x_5^2+2x_5y_5+y_5^2)) + a^r_{0,0,0,0,2,0,0,0,2,1}(x_5^2+y_5^2)(x_3(x_5-y_5)+y_3(-x_5-y_5))(x_3(x_5+y_5)+y_3(x_5-$$
$$y_5)) + a^r_{0,0,0,0,2,0,0,1,2,0}(x_4^2+y_4^2)(x_3(x_5-y_5)+y_3(-x_5-y_5))(x_3(x_5+y_5)+y_3(x_5-y_5))+$$
$$a^r_{0,0,0,0,2,0,2,0,-2,0}(x_3(x_4x_5-x_4y_5+x_5y_4+y_4y_5)+y_3(x_4x_5+x_4y_5-x_5y_4+y_4y_5))(x_3(x_4x_5+x_4y_5-$$
$$x_5y_4+y_4y_5)+y_3(-x_4x_5+x_4y_5-x_5y_4-y_4y_5)) + a^r_{0,0,0,0,2,0,4,0,0,0}(x_3(x_4^2-2x_4y_4-y_4^2)+y_3(-x_4^2-$$
$$2x_4y_4+y_4^2))(x_3(x_4^2+2x_4y_4-y_4^2)+y_3(x_4^2-2x_4y_4-y_4^2)) + a^r_{0,0,0,0,2,1,-2,0,0,0}(x_3^2+y_3^2)(x_3(x_4-$$
$$y_4)+y_3(x_4+y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4)) + a^r_{0,0,0,0,2,1,0,0,2,0}(x_3^2+y_3^2)(x_3(x_5-y_5)+y_3(-x_5-$$
$$y_5))(x_3(x_5+y_5)+y_3(x_5-y_5)) + a^r_{0,0,0,0,4,0,0,0,-2,0}(x_3(-2x_5y_3+2y_3y_5)+x_5(x_3^2-y_3^2)+y_5(x_3^2-$$
$$y_3^2))(x_3(2x_5y_3+2y_3y_5)+x_5(x_3^2-y_3^2)+y_5(-x_3^2+y_3^2)) + a^r_{0,0,0,0,4,0,2,0,0,0}(x_3(-2x_4y_3-2y_3y_4)+$$
$$x_4(x_3^2-y_3^2)+y_4(-x_3^2+y_3^2))(x_3(2x_4y_3-2y_3y_4)+x_4(x_3^2-y_3^2)+y_4(x_3^2-y_3^2))+$$
$$a^r_{0,0,0,0,6,0,0,0,0,0}(x_3-y_3)(x_3+y_3)(x_3^2-4x_3y_3+y_3^2)(x_3^2+4x_3y_3+y_3^2) + a^r_{0,0,0,1,0,0,0,0,0,2}(x_2^2+$$
$$y_2^2)(x_5^2+y_5^2)^2 + a^r_{0,0,0,1,0,0,0,1,0,1}(x_2^2+y_2^2)(x_4^2+y_4^2)(x_5^2+y_5^2) + a^r_{0,0,0,1,0,0,0,2,0,0}(x_2^2+$$
$$y_2^2)(x_4^2+y_4^2)^2 + a^r_{0,0,0,1,0,0,2,0,2,0}(x_2^2+y_2^2)(x_4(x_5-y_5)+y_4(-x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5))+$$
$$a^r_{0,0,0,1,0,1,0,0,0,1}(x_2^2+y_2^2)(x_3^2+y_3^2)(x_5^2+y_5^2) + a^r_{0,0,0,1,0,1,0,1,0,0}(x_2^2+y_2^2)(x_3^2+y_3^2)(x_4^2+$$
$$y_4^2) + a^r_{0,0,0,1,0,2,0,0,0,0}(x_2^2+y_2^2)(x_3^2+y_3^2)^2 + a^r_{0,0,0,1,2,0,-2,0,0,0}(x_2^2+y_2^2)(x_3(x_4-y_4)+y_3(x_4+$$
$$y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4)) + a^r_{0,0,0,1,2,0,0,0,2,0}(x_2^2+y_2^2)(x_3(x_5-y_5)+y_3(-x_5-y_5))(x_3(x_5+y_5)+$$
$$y_3(x_5-y_5)) + a^r_{0,0,0,2,0,0,0,0,0,1}(x_2^2+y_2^2)^2(x_5^2+y_5^2) + a^r_{0,0,0,2,0,0,0,0,1,0,0}(x_2^2+y_2^2)^2(x_4^2+y_4^2)+$$
$$a^r_{0,0,0,2,0,1,0,0,0,0}(x_2^2+y_2^2)^2(x_3^2+y_3^2) + a^r_{0,0,0,3,0,0,0,0,0,0}(x_2^2+y_2^2)^3+$$
$$a^r_{0,0,1,0,-1,0,-1,0,-3,0}(x_2(x_3x_4x_5^3-3x_3x_4x_5y_5^2-3x_3x_5^2y_4y_5+x_3y_4y_5^3-3x_4x_5^2y_3y_5+$$
$$x_4y_3y_5^3-x_5^3y_3y_4+3x_5y_3y_4y_5^2)+y_2(3x_3x_4x_5^2y_5-x_3x_4y_5^3+x_3x_5^3y_4-$$
$$3x_3x_5y_4y_5^2+x_4x_5^3y_3-3x_4x_5y_3y_5^2-3x_5^2y_3y_4y_5+y_3y_4y_5^3))+$$
$$a^r_{0,0,1,0,-1,0,-1,0,3,0}(x_2(x_3x_4x_5^3-3x_3x_4x_5y_5^2+3x_3x_5^2y_4y_5-x_3y_4y_5^3+3x_4x_5^2y_3y_5-$$
$$x_4y_3y_5^3-x_5^3y_3y_4+3x_5y_3y_4y_5^2)+y_2(-3x_3x_4x_5^2y_5+x_3x_4y_5^3+x_3x_5^3y_4-$$
$$3x_3x_5y_4y_5^2+x_4x_5^3y_3-3x_4x_5y_3y_5^2+3x_5^2y_3y_4y_5-y_3y_4y_5^3))+$$
$$a^r_{0,0,1,0,-1,0,-3,0,1,0}(x_2(x_3x_4^3x_5+3x_3x_4^2y_4y_5-3x_3x_4x_5y_4^2-x_3y_4^3y_5+x_4^3y_3y_5-$$

$$3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 + 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5-$$

$$x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 - y_3y_4^3y_5)) + a_{0,0,1,0,-1,0,1,0,-1,1}^r(x_5^2+$$

$$y_5^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5))+$$

$$a_{0,0,1,0,-1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4+$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,-1,0,3,0,1,0}^r(x_2(x_3x_4^3x_5 - 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5+$$

$$x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 - x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4+$$

$$3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 - 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 + y_3y_4^3y_5))+$$

$$a_{0,0,1,0,-1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4+$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,-3,0,-1,0,1,0}^r(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 + 3x_3^2x_4y_3y_5 - 3x_3^2x_5y_3y_4-$$

$$3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 - x_4y_3^3y_5 + x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 + x_3^3x_5y_4+$$

$$3x_3^2x_4x_5y_3 + 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 - x_4x_5y_3^3 - y_3^3y_4y_5))+$$

$$a_{0,0,1,0,1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4-$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)+$$

$$y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5-$$

$$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,0,1,1,1,0}^r(x_4^2+$$

$$y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5))+$$

$$a_{0,0,1,0,1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4-$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,3,0,-1,0,1,0}^r(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 - 3x_3^2x_4y_3y_5+$$

$$3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 + x_4y_3^3y_5 - x_5y_3^3y_4) + y_2(-x_3^3x_4y_5+$$

$$x_3^3x_5y_4 - 3x_3^2x_4x_5y_3 - 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 + x_4x_5y_3^3+$$

$$y_3^3y_4y_5)) + a_{0,0,1,1,-1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5-$$

$$x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,1,1,0,-1,0,-1,0}^r(x_2^2 + y_2^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5+$$

$$x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,1,1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_2(x_3x_4x_5-$$

$$x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5))+$$

$$a_{0,0,2,0,-2,0,-2,0,0,0}^r(x_2(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4) + y_2(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_2(x_3x_4 + x_3y_4+$$

$$x_4y_3 - y_3y_4) + y_2(-x_3x_4 + x_3y_4 + x_4y_3 + y_3y_4)) + a_{0,0,2,0,-2,0,0,0,0,2,0}^r(x_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) + y_2(-$$

$$x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_2(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + y_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5))+$$

$$a_{0,0,2,0,-4,0,0,0,0,0}^r(x_2(x_3^2 - 2x_3y_3 - y_3^2) + y_2(x_3^2 + 2x_3y_3 - y_3^2))(x_2(x_3^2 + 2x_3y_3 - y_3^2) + y_2(-x_3^2+$$

$$2x_3y_3 + y_3^2)) + a_{0,0,2,0,0,0,-2,0,2,0}^r(x_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_2(-x_4x_5 - x_4y_5 + x_5y_4-$$

$$y_4y_5))(x_2(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)) + a_{0,0,2,0,0,0,-4,0,0,0}^r(x_2(x_4^2-$$

$$2x_4y_4 - y_4^2) + y_2(x_4^2 + 2x_4y_4 - y_4^2))(x_2(x_4^2 + 2x_4y_4 - y_4^2) + y_2(-x_4^2 + 2x_4y_4 + y_4^2))+$$

$$a_{0,0,2,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5))+$$

$$a_{0,0,2,0,0,0,0,0,4,0}^r(x_2(x_5^2 - 2x_5y_5 - y_5^2) + y_2(-x_5^2 - 2x_5y_5 + y_5^2))(x_2(x_5^2 + 2x_5y_5 - y_5^2) + y_2(x_5^2-$$

$$2x_5y_5 - y_5^2)) + a_{0,0,2,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5))+$$

$$a_{0,0,2,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a_{0,0,2,0,0,0,2,1,0,0}^r(x_4^2+$$

$$y_4^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a_{0,0,2,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_2(x_5 - y_5)+$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a_{0,0,2,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4+$$

$$y_4) + y_2(x_4 - y_4)) + a_{0,0,2,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3))+$$

$$a_{0,0,2,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a_{0,0,2,0,2,1,0,0,0,0}^r(x_3^2+$$

$$y_3^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a_{0,0,2,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_2(x_5 - y_5)+$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a_{0,0,2,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4+$$

$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) +$

$a^r_{0,0,3,0,-1,0,-1,0,1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) +$

$x_3(x_2^3x_4x_5 + x_2^3y_4y_5 + x_4y_2^3y_5 - x_5y_2^3y_4) + y_2(-3x_2^2x_3x_4y_5 + 3x_2^2x_3x_5y_4 +$

$3x_2^2x_4x_5y_3 + 3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 - x_4x_5y_2^3 - y_2^3y_4y_5)) +$

$a^r_{0,0,3,0,1,0,1,0,-1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) + x_3(x_2^3x_4x_5 +$

$x_2^3y_4y_5 - x_4y_2^3y_5 + x_5y_2^3y_4) + y_2(3x_2^2x_3x_4y_5 - 3x_2^2x_3x_5y_4 - 3x_2^2x_4x_5y_3 -$

$3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 + x_4x_5y_2^3 + y_2^3y_4y_5)) + a^r_{0,0,4,0,-2,0,0,0,0,0}(x_2(-2x_3y_2 +$

$2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(x_2^2 - y_2^2))(x_2(2x_3y_2 + 2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(-x_2^2 + y_2^2)) +$

$a^r_{0,0,4,0,0,0,-2,0,0,0}(x_2(-2x_4y_2 + 2y_2y_4) + x_4(x_2^2 - y_2^2) + y_4(x_2^2 - y_2^2))(x_2(2x_4y_2 + 2y_2y_4) + x_4(x_2^2 -$

$y_2^2) + y_4(-x_2^2 + y_2^2)) + a^r_{0,0,4,0,0,0,0,0,2,0}(x_2(-2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(-x_2^2 +$

$y_2^2))(x_2(2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(x_2^2 - y_2^2)) + a^r_{0,0,6,0,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 -$

$4x_2y_2 + y_2^2)(x_2^2 + 4x_2y_2 + y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,2}(x_1^2 + y_1^2)(x_5^2 + y_5^2)^2 + a^r_{0,1,0,0,0,0,0,1,0,1}(x_1^2 +$

$y_1^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,0,0,2,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)^2 + a^r_{0,1,0,0,0,0,2,0,2,0}(x_1^2 +$

$y_1^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,1,0,0,0,1,0,0,0,1}(x_1^2 + y_1^2)(x_3^2 +$

$y_3^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,1,0,1,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,1,0,0,0,2,0,0,0,0}(x_1^2 +$

$y_1^2)(x_3^2 + y_3^2)^2 + a^r_{0,1,0,0,2,0,-2,0,0,0}(x_1^2 + y_1^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) +$

$a^r_{0,1,0,0,2,0,0,0,2,0}(x_1^2 + y_1^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,1,0,1,0,0,0,0,0,1}(x_1^2 +$

$y_1^2)(x_2^2 + y_2^2)(x_5^2 + y_5^2) + a^r_{0,1,0,1,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$

$a^r_{0,1,0,1,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + a^r_{0,1,0,2,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)^2 +$

$a^r_{0,1,1,0,-1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 +$

$x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) +$

$y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,1,0,1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 -$

$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,2,0,0,0,0,0,-2,0}(x_1^2 +$

$y_1^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,1,2,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2(x_4 - y_4) + y_2(-$

$x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,1,2,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) +$

$y_2(x_3 - y_3)) + a^r_{0,2,0,0,0,0,0,0,0,1}(x_1^2 + y_1^2)^2(x_5^2 + y_5^2) + a^r_{0,2,0,0,0,0,0,1,0,0}(x_1^2 + y_1^2)^2(x_4^2 + y_4^2) +$

$a^r_{0,2,0,0,0,1,0,0,0,0}(x_1^2 + y_1^2)^2(x_3^2 + y_3^2) + a^r_{0,2,0,1,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_2^2 + y_2^2) +$

$a^r_{0,3,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^3 + a^r_{1,0,-1,0,-2,0,0,0,-2,0}(x_1(x_2x_3^2x_5^2 - x_2x_3^2y_5^2 - 4x_2x_3x_5y_3y_5 -$

$x_2x_5^2y_3^2 + x_2y_3^2y_5^2 - 2x_3^2x_5y_2y_5 - 2x_3x_5^2y_2y_3 + 2x_3y_2y_3y_5^2 + 2x_5y_2y_3^2y_5) +$

$y_1(2x_2x_3^2x_5y_5 + 2x_2x_3x_5^2y_3 - 2x_2x_3y_3y_5^2 - 2x_2x_5y_3^2y_5 + x_3^2x_5^2y_2 - x_3^2y_2y_5^2 -$

$4x_3x_5y_2y_3y_5 - x_5^2y_2y_3^2 + y_2y_3^2y_5^2)) + a^r_{1,0,-1,0,-2,0,2,0,0,0}(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2 +$

$4x_2x_3x_4y_3y_4 - x_2x_4^2y_3^2 + x_2y_3^2y_4^2 + 2x_3^2x_4y_2y_4 - 2x_3x_4^2y_2y_3 + 2x_3y_2y_3y_4^2 -$

$2x_4y_2y_3^2y_4) + y_1(-2x_2x_3^2x_4y_4 + 2x_2x_3x_4^2y_3 - 2x_2x_3y_3y_4^2 + 2x_2x_4y_3^2y_4 + x_3^2x_4^2y_2 -$

$x_3^2y_2y_4^2 + 4x_3x_4y_2y_3y_4 - x_4^2y_2y_3^2 + y_2y_3^2y_4^2)) + a^r_{1,0,-1,0,0,0,-2,0,-2,0}(x_1(x_2x_4^2x_5^2 -$

$x_2x_4^2y_5^2 - 4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 - 2x_4^2x_5y_2y_5 - 2x_4x_5^2y_2y_4 +$

$2x_4y_2y_4y_5^2 + 2x_5y_2y_4^2y_5) + y_1(2x_2x_4^2x_5y_5 + 2x_2x_4x_5^2y_4 - 2x_2x_4y_4y_5^2 -$

$2x_2x_5y_4^2y_5 + x_4^2x_5^2y_2 - x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 - x_5^2y_2y_4^2 + y_2y_4^2y_5^2)) +$

$a^r_{1,0,-1,0,0,0,0,0,0,2}(x_5^2 + y_5^2)^2(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1x_2 + y_1y_2) +$

$a^r_{1,0,-1,0,0,0,0,2,0,0}(x_4^2 + y_4^2)^2(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,0,2,0,2,0}(x_1(x_2x_4^2x_5^2 - x_2x_4^2y_5^2 -$

$4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 + 2x_4^2x_5y_2y_5 + 2x_4x_5^2y_2y_4 - 2x_4y_2y_4y_5^2 -$

$2x_5y_2y_4^2y_5) + y_1(-2x_2x_4^2x_5y_5 - 2x_2x_4x_5^2y_4 + 2x_2x_4y_4y_5^2 + 2x_2x_5y_4^2y_5 + x_4^2x_5^2y_2 -$

$x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 - x_5^2y_2y_4^2 + y_2y_4^2y_5^2)) + a^r_{1,0,-1,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2 +$

$$y_5^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,0,0,1,0,1,0,0}^r(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,0,0,2,0,0,0,0}^r(x_3^2 +$$

$$y_3^2)^2(x_1x_2 + y_1y_2) + a_{1,0,-1,0,2,0,-2,0,0,0}^r(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2 + 4x_2x_3x_4y_3y_4 -$$

$$x_2x_4^2y_3^2 + x_2y_3^2y_4^2 - 2x_3^2x_4y_2y_4 + 2x_3x_4^2y_2y_3 - 2x_3y_2y_3y_4^2 + 2x_4y_2y_3^2y_4) +$$

$$y_1(2x_2x_3^2x_4y_4 - 2x_2x_3x_4^2y_3 + 2x_2x_3y_3y_4^2 - 2x_2x_4y_3^2y_4 + x_3^2x_4^2y_2 - x_3^2y_2y_4^2 +$$

$$4x_3x_4y_2y_3y_4 - x_4^2y_2y_3^2 + y_2y_3^2y_4^2)) + a_{1,0,-1,0,2,0,0,0,2,0}^r(x_1(x_2x_3^2x_5^2 - x_2x_3^2y_5^2 -$$

$$4x_2x_3x_5y_3y_5 - x_2x_5^2y_3^2 + x_2y_3^2y_5^2 + 2x_3^2x_5y_2y_5 + 2x_3x_5^2y_2y_3 - 2x_3y_2y_3y_5^2 -$$

$$2x_5y_2y_3^2y_5) + y_1(-2x_2x_3^2x_5y_5 - 2x_2x_3x_5^2y_3 + 2x_2x_3y_3y_5^2 + 2x_2x_5y_3^2y_5 + x_3^2x_5^2y_2 -$$

$$x_3^2y_2y_5^2 - 4x_3x_5y_2y_3y_5 - x_5^2y_2y_3^2 + y_2y_3^2y_5^2)) + a_{1,0,-1,1,0,0,0,0,0,1}^r(x_2^2 + y_2^2)(x_5^2 +$$

$$y_5^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,1,0,0,0,1,0,0}^r(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,1,0,1,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_3^2 + y_3^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,2,0,0,0,0,0,0}^r(x_2^2 + y_2^2)^2(x_1x_2 + y_1y_2) +$$

$$a_{1,0,-2,0,-1,0,-1,0,-1,0}^r(x_1(x_2^2x_3x_4x_5 - x_2^2x_3y_4y_5 - x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4 - 2x_2x_3x_4y_2y_5 -$$

$$2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 + x_3y_2^2y_4y_5 + x_4y_2^2y_3y_5 +$$

$$x_5y_2^2y_3y_4) + y_1(x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5 + 2x_2x_3x_4x_5y_2 -$$

$$2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 - 2x_2x_5y_2y_3y_4 - x_3x_4y_2^2y_5 - x_3x_5y_2^2y_4 - x_4x_5y_2^2y_3 +$$

$$y_2^2y_3y_4y_5)) + a_{1,0,-2,0,-1,0,1,0,1,0}^r(x_1(x_2^2x_3x_4x_5 - x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 + x_2^2x_5y_3y_4 +$$

$$2x_2x_3x_4y_2y_5 + 2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 + x_3y_2^2y_4y_5 -$$

$$x_4y_2^2y_3y_5 - x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 - x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5 +$$

$$2x_2x_3x_4x_5y_2 - 2x_2x_3y_2y_4y_5 + 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5 + x_3x_5y_2^2y_4 -$$

$$x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a_{1,0,-2,0,1,0,-1,0,1,0}^r(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 - x_2^2x_4y_3y_5 +$$

$$x_2^2x_5y_3y_4 + 2x_2x_3x_4y_2y_5 - 2x_2x_3x_5y_2y_4 + 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 -$$

$$x_3y_2^2y_4y_5 + x_4y_2^2y_3y_5 - x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 - x_2^2x_4x_5y_3 -$$

$$x_2^2y_3y_4y_5 + 2x_2x_3x_4x_5y_2 + 2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5 -$$

$$x_3x_5y_2^2y_4 + x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a_{1,0,-3,0,-2,0,0,0,0,0}^r(x_1(x_2^3x_3^3 - x_2^3y_3^2 -$$

$$6x_2^2x_3y_2y_3 - 3x_2x_3^2y_2^2 + 3x_2y_2^2y_3^2 + 2x_3y_2^3y_3) + y_1(2x_2^3x_3y_3 + 3x_2^2x_3^2y_2 -$$

$$3x_2^2y_2y_3^2 - 6x_2x_3y_2^2y_3 - x_3^2y_2^3 + y_2^3y_3^2)) + a_{1,0,-3,0,0,0,-2,0,0,0}^r(x_1(x_2^3x_4^2 - x_2^3y_4^2 -$$

$$6x_2^2x_4y_2y_4 - 3x_2x_4^2y_2^2 + 3x_2y_2^2y_4^2 + 2x_4y_2^3y_4) + y_1(2x_2^3x_4y_4 + 3x_2^2x_4^2y_2 -$$

$$3x_2^2y_2y_4^2 - 6x_2x_4y_2^2y_4 - x_4^2y_2^3 + y_2^3y_4^2)) + a_{1,0,-3,0,0,0,0,0,2,0}^r(x_1(x_2^3x_5^2 - x_2^3y_5^2 +$$

$$6x_2^2x_5y_2y_5 - 3x_2x_5^2y_2^2 + 3x_2y_2^2y_5^2 - 2x_5y_2^3y_5) + y_1(-2x_2^3x_5y_5 + 3x_2^2x_5^2y_2 -$$

$$3x_2^2y_2y_5^2 + 6x_2x_5y_2^2y_5 - x_5^2y_2^3 + y_2^3y_5^2)) + a_{1,0,0,0,-1,0,-1,0,-3,0}^r(x_1(x_3x_4x_5^3 -$$

$$3x_3x_4x_5y_5^2 - 3x_3x_5^2y_4y_5 + x_3y_4y_5^3 - 3x_4x_5^2y_3y_5 + x_4y_3y_5^3 - x_5^3y_3y_4 +$$

$$3x_5y_3y_4y_5^2) + y_1(3x_3x_4x_5^2y_5 - x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 -$$

$$3x_4x_5y_3y_5^2 - 3x_5^2y_3y_4y_5 + y_3y_4y_5^3)) + a_{1,0,0,0,-1,0,-1,0,3,0}^r(x_1(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 +$$

$$3x_3x_5^2y_4y_5 - x_3y_4y_5^3 + 3x_4x_5^2y_3y_5 - x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_1(-$$

$$3x_3x_4x_5^2y_5 + x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 +$$

$$3x_5^2y_3y_4y_5 - y_3y_4y_5^3)) + a_{1,0,0,0,-1,0,-3,0,1,0}^r(x_1(x_3x_4^3x_5 + 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 -$$

$$x_3y_4^3y_5 + x_4^3y_3y_5 - 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_1(-x_3x_4^3y_5 +$$

$$3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 - x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 -$$

$$y_3y_4^3y_5)) + a_{1,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 -$$

$$x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$$

$$x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-1,0,3,0,1,0}^r(x_1(x_3x_4^3x_5 -$$

$$3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5 + x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 -$$

$$x_5y_3y_4^3) + y_1(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 -$$

$$3x_4^2 y_3 y_4 y_5 - 3x_4 x_5 y_3 y_4^2 + y_3 y_4^3 y_5)) + a_{1,0,0,0,-1,1,1,0,-1,0}^r (x_3^2 + y_3^2)(x_1(x_3 x_4 x_5 + x_3 y_4 y_5 -$$

$$x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,-3,0,-1,0,1,0}^r (x_1(x_3^3 x_4 x_5 +$$

$$x_3^3 y_4 y_5 + 3x_3^2 x_4 y_3 y_5 - 3x_3^2 x_5 y_3 y_4 - 3x_3 x_4 x_5 y_3^2 - 3x_3 y_3^2 y_4 y_5 - x_4 y_3^3 y_5 +$$

$$x_5 y_3^3 y_4) + y_1(-x_3^3 x_4 y_5 + x_3^3 x_5 y_4 + 3x_3^2 x_4 x_5 y_3 + 3x_3^2 y_3 y_4 y_5 + 3x_3 x_4 y_3^2 y_5 -$$

$$3x_3 x_5 y_3^2 y_4 - x_4 x_5 y_3^3 - y_3^3 y_4 y_5)) + a_{1,0,0,0,1,0,-1,0,-1,1}^r (x_5^2 + y_5^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 +$$

$$x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,0,-1,1,-1,0}^r (x_4^2 +$$

$$y_4^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a_{1,0,0,0,1,0,1,0,1,1}^r (x_5^2 + y_5^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-x_3 x_4 y_5 - x_3 x_5 y_4 -$$

$$x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,0,1,1,1,0}^r (x_4^2 + y_4^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-$$

$$x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,1,-1,0,-1,0}^r (x_3^2 + y_3^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 +$$

$$x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,1,1,0,1,0}^r (x_3^2 +$$

$$y_3^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a_{1,0,0,0,3,0,-1,0,1,0}^r (x_1(x_3^3 x_4 x_5 + x_3^3 y_4 y_5 - 3x_3^2 x_4 y_3 y_5 + 3x_3^2 x_5 y_3 y_4 - 3x_3 x_4 x_5 y_3^2 -$$

$$3x_3 y_3^2 y_4 y_5 + x_4 y_3^3 y_5 - x_5 y_3^3 y_4) + y_1(-x_3^3 x_4 y_5 + x_3^3 x_5 y_4 - 3x_3^2 x_4 x_5 y_3 -$$

$$3x_3^2 y_3 y_4 y_5 + 3x_3 x_4 y_3^2 y_5 - 3x_3 x_5 y_3^2 y_4 + x_4 x_5 y_3^3 + y_3^3 y_4 y_5)) + a_{1,0,0,1,-1,0,1,0,-1,0}^r (x_2^2 +$$

$$y_2^2)(x_1(x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a_{1,0,0,1,1,0,-1,0,-1,0}^r (x_2^2 + y_2^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 + x_3 x_5 y_4 -$$

$$x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,1,1,0,1,0,1,0}^r (x_2^2 + y_2^2)(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-$$

$$x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,1,0,-2,0,-2,0,0,0}^r (x_1(x_2 x_3^2 x_4^2 - x_2 x_3^2 y_4^2 -$$

$$4x_2 x_3 x_4 y_3 y_4 - x_2 x_4^2 y_3^2 + x_2 y_3^2 y_4^2 + 2x_3^2 x_4 y_2 y_4 + 2x_3 x_4^2 y_2 y_3 - 2x_3 y_2 y_3 y_4^2 -$$

$$2x_4 y_2 y_3^2 y_4) + y_1(2x_2 x_3^2 x_4 y_4 + 2x_2 x_3 x_4^2 y_3 - 2x_2 x_3 y_3 y_4^2 - 2x_2 x_4 y_3^2 y_4 - x_3^2 x_4^2 y_2 +$$

$$x_3^2 y_2 y_4^2 + 4x_3 x_4 y_2 y_3 y_4 + x_4^2 y_2 y_3^2 - y_2 y_3^2 y_4^2)) + a_{1,0,1,0,-2,0,0,0,0,2,0}^r (x_1(x_2 x_3^2 x_5^2 -$$

$$x_2 x_3^2 y_5^2 + 4x_2 x_3 x_5 y_3 y_5 - x_2 x_5^2 y_3^2 + x_2 y_3^2 y_5^2 - 2x_3^2 x_5 y_2 y_5 + 2x_3 x_5^2 y_2 y_3 -$$

$$2x_3 y_2 y_3 y_5^2 + 2x_5 y_2 y_3^2 y_5) + y_1(-2x_2 x_3^2 x_5 y_5 + 2x_2 x_3 x_5^2 y_3 - 2x_2 x_3 y_3 y_5^2 +$$

$$2x_2 x_5 y_3^2 y_5 - x_3^2 x_5^2 y_2 + x_3^2 y_2 y_5^2 - 4x_3 x_5 y_2 y_3 y_5 + x_5^2 y_2 y_3^2 - y_2 y_3^2 y_5^2)) +$$

$$a_{1,0,1,0,-4,0,0,0,0,0}^r (x_1(x_2 x_3^4 - 6x_2 x_3^2 y_3^2 + x_2 y_3^4 + 4x_3^3 y_2 y_3 - 4x_3 y_2 y_3^3) + y_1(4x_2 x_3^3 y_3 -$$

$$4x_2 x_3 y_3^3 - x_3^4 y_2 + 6x_3^2 y_2 y_3^2 - y_2 y_3^4)) + a_{1,0,1,0,0,0,-2,0,2,0}^r (x_1(x_2 x_4^2 x_5^2 - x_2 x_4^2 y_5^2 +$$

$$4x_2 x_4 x_5 y_4 y_5 - x_2 x_5^2 y_4^2 + x_2 y_4^2 y_5^2 - 2x_4^2 x_5 y_2 y_5 + 2x_4 x_5^2 y_2 y_4 - 2x_4 y_2 y_4 y_5^2 +$$

$$2x_5 y_2 y_4^2 y_5) + y_1(-2x_2 x_4^2 x_5 y_5 + 2x_2 x_4 x_5^2 y_4 - 2x_2 x_4 y_4 y_5^2 + 2x_2 x_5 y_4^2 y_5 - x_4^2 x_5^2 y_2 +$$

$$x_4^2 y_2 y_5^2 - 4x_4 x_5 y_2 y_4 y_5 + x_5^2 y_2 y_4^2 - y_2 y_4^2 y_5^2)) + a_{1,0,1,0,0,0,-4,0,0,0}^r (x_1(x_2 x_4^4 -$$

$$6x_2 x_4^2 y_4^2 + x_2 y_4^4 + 4x_4^3 y_2 y_4 - 4x_4 y_2 y_4^3) + y_1(4x_2 x_4^3 y_4 - 4x_2 x_4 y_4^3 - x_4^4 y_2 +$$

$$6x_4^2 y_2 y_4^2 - y_2 y_4^4)) + a_{1,0,1,0,0,0,0,0,-2,1}^r (x_5^2 + y_5^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 -$$

$$x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,0,0,4,0}^r (x_1(x_2 x_5^4 - 6x_2 x_5^2 y_5^2 + x_2 y_5^4 - 4x_5^3 y_2 y_5 + 4x_5 y_2 y_5^3) +$$

$$y_1(-4x_2 x_5^3 y_5 + 4x_2 x_5 y_5^3 - x_5^4 y_2 + 6x_5^2 y_2 y_5^2 - y_2 y_5^4)) + a_{1,0,1,0,0,0,0,1,-2,0}^r (x_4^2 +$$

$$y_4^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,2,0,0,1}^r (x_5^2 +$$

$$y_5^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,0,0,2,1,0,0}^r (x_4^2 +$$

$$y_4^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,0,1,0,0,-2,0}^r (x_3^2 +$$

$$y_3^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,1,2,0,0,0}^r (x_3^2 +$$

$$y_3^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,2,0,0,0,0,1}^r (x_5^2 +$$

$$y_5^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,0,2,0,0,1,0,0}^r (x_4^2 +$$

$$y_4^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,0,2,1,0,0,0,0}^r (x_3^2 +$$

$$y_3^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,1,0,0,0,0,-2,0}^r (x_2^2 +$$

$$y_2^2)(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a_{1,0,1,1,0,0,2,0,0,0}^r(x_2^2+$$

$$y_2^2)(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a_{1,0,1,1,2,0,0,0,0,0}^r(x_2^2+$$

$$y_2^2)(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2))+$$

$$a_{1,0,2,0,-1,0,-1,0,1,0}^r(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4 - 2x_2x_3x_4y_2y_5+$$

$$2x_2x_3x_5y_2y_4 + 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 - x_3y_2^2y_4y_5 - x_4y_2^2y_3y_5+$$

$$x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 + x_2^2y_3y_4y_5 - 2x_2x_3x_4x_5y_2-$$

$$2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5 - x_3x_5y_2^2y_4 - x_4x_5y_2^2y_3-$$

$$y_2^2y_3y_4y_5)) + a_{1,0,2,0,1,0,1,0,-1,0}^r(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4+$$

$$2x_2x_3x_4y_2y_5 - 2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 - 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 - x_3y_2^2y_4y_5-$$

$$x_4y_2^2y_3y_5 + x_5y_2^2y_3y_4) + y_1(x_2^2x_3x_4y_5 - x_2^2x_3x_5y_4 - x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5-$$

$$2x_2x_3x_4x_5y_2 - 2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 - x_3x_4y_2^2y_5 + x_3x_5y_2^2y_4+$$

$$x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a_{1,0,3,0,-2,0,0,0,0,0}^r(x_1(x_2^3x_3^2 - x_2^3y_3^2 + 6x_2^2x_3y_2y_3-$$

$$3x_2x_3^2y_2^2 + 3x_2y_2^2y_3^2 - 2x_3y_2^3y_3) + y_1(2x_2^3x_3y_3 - 3x_2^2x_3^2y_2 + 3x_2^2y_2y_3^2-$$

$$6x_2x_3y_2^2y_3 + x_3^2y_2^3 - y_2^3y_3^2)) + a_{1,0,3,0,0,0,-2,0,0,0}^r(x_1(x_2^3x_4^2 - x_2^3y_4^2 + 6x_2^2x_4y_2y_4-$$

$$3x_2x_4^2y_2^2 + 3x_2y_2^2y_4^2 - 2x_4y_2^3y_4) + y_1(2x_2^3x_4y_4 - 3x_2^2x_4^2y_2 + 3x_2^2y_2y_4^2-$$

$$6x_2x_4y_2^2y_4 + x_4^2y_2^3 - y_2^3y_4^2)) + a_{1,0,3,0,0,0,0,0,2,0}^r(x_1(x_2^3x_5^2 - x_2^3y_5^2 - 6x_2^2x_5y_2y_5-$$

$$3x_2x_5^2y_2^2 + 3x_2y_2^2y_5^2 + 2x_5y_2^3y_5) + y_1(-2x_2^3x_5y_5 - 3x_2^2x_5^2y_2 + 3x_2^2y_2y_5^2+$$

$$6x_2x_5y_2^2y_5 + x_5^2y_2^3 - y_2^3y_5^2)) + a_{1,0,5,0,0,0,0,0,0,0}^r(x_1(x_2^5 - 10x_2^3y_2^2 + 5x_2y_2^4) + y_1(-$$

$$5x_2^4y_2 + 10x_2^2y_2^3 - y_2^5)) + a_{1,1,-1,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1x_2 + y_1y_2)+$$

$$a_{1,1,-1,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a_{1,1,-1,0,0,1,0,0,0,0}^r(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_1x_2+$$

$$y_1y_2) + a_{1,1,-1,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1x_2 + y_1y_2) + a_{1,1,0,0,-1,0,1,0,-1,0}^r(x_1^2+$$

$$y_1^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5))+$$

$$a_{1,1,0,0,1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4-$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{1,1,0,0,0,1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,1,1,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_1(x_2x_5^2 - x_2y_5^2+$$

$$2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a_{1,1,1,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_2x_4^2 - x_2y_4^2-$$

$$2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a_{1,1,1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_2x_3^2 - x_2y_3^2-$$

$$2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a_{1,2,-1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_1x_2 + y_1y_2)+$$

$$a_{2,0,-1,0,-1,0,1,0,-1,0}^r(x_1(2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5+$$

$$2x_3x_4x_5y_1y_2 + 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5+$$

$$x_1^2x_3y_4y_5 - x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5-$$

$$x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 - x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5-$$

$$x_3x_5y_1^2y_4 + x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a_{2,0,-1,0,1,0,-1,0,-1,0}^r(x_1(2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4-$$

$$2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 + 2x_4y_1y_2y_3y_5+$$

$$2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2+$$

$$x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 - x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 - x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3-$$

$$x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 + x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a_{2,0,-1,0,1,0,1,0,1,0}^r(x_1(-$$

$$2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2-$$

$$2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 - 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5-$$

$$x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 + x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 + x_5y_1^2y_3y_4)+$$

$$y_2(x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 - x_3x_4y_1^2y_5 - x_3x_5y_1^2y_4-$$

$$x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a_{2,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-$$

$$x_2 + y_2)) + a^r_{2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) +$$

$$a^r_{2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,0,0,-2,0,-2,0,0,0}(x_1(x_3x_4 - x_3y_4 - x_4y_3 -$$

$$y_3y_4) + y_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + y_1(-x_3x_4 + x_3y_4 + x_4y_3 +$$

$$y_3y_4)) + a^r_{2,0,0,0,-2,0,0,0,2,0}(x_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) + y_1(-x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_1(x_3x_5 +$$

$$x_3y_5 - x_5y_3 + y_3y_5) + y_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)) + a^r_{2,0,0,0,-4,0,0,0,0,0}(x_1(x_3^2 - 2x_3y_3 - y_3^2) +$$

$$y_1(x_3^2 + 2x_3y_3 - y_3^2))(x_1(x_3^2 + 2x_3y_3 - y_3^2) + y_1(-x_3^2 + 2x_3y_3 + y_3^2)) + a^r_{2,0,0,0,0,0,-2,0,2,0}(x_1(x_4x_5 -$$

$$x_4y_5 + x_5y_4 + y_4y_5) + y_1(-x_4x_5 - x_4y_5 + x_5y_4 - y_4y_5))(x_1(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_1(x_4x_5 -$$

$$x_4y_5 + x_5y_4 + y_4y_5)) + a^r_{2,0,0,0,0,0,-4,0,0,0}(x_1(x_4^2 - 2x_4y_4 - y_4^2) + y_1(x_4^2 + 2x_4y_4 - y_4^2))(x_1(x_4^2 +$$

$$2x_4y_4 - y_4^2) + y_1(-x_4^2 + 2x_4y_4 + y_4^2)) + a^r_{2,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 +$$

$$y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,0,0,0,4,0}(x_1(x_5^2 - 2x_5y_5 - y_5^2) + y_1(-x_5^2 - 2x_5y_5 + y_5^2))(x_1(x_5^2 + 2x_5y_5 -$$

$$y_5^2) + y_1(x_5^2 - 2x_5y_5 - y_5^2)) + a^r_{2,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-$$

$$x_5 + y_5)) + a^r_{2,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) +$$

$$a^r_{2,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,0,1,0,0,-2,0}(x_3^2 +$$

$$y_3^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1(x_4 - y_4) + y_1(-$$

$$x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) +$$

$$y_1(x_3 - y_3)) + a^r_{2,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a^r_{2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a^r_{2,0,0,1,0,0,0,0,-2,0}(x_2^2 +$$

$$y_2^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1(x_4 - y_4) + y_1(-$$

$$x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) +$$

$$y_1(x_3 - y_3)) + a^r_{2,0,1,0,-1,0,-1,0,1,0}(x_1(-2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 +$$

$$2x_2y_1y_3y_4y_5 - 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) +$$

$$x_2(x_1^2x_3x_4x_5 + x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 -$$

$$x_4y_1^2y_3y_5 + x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 + x_1^2y_3y_4y_5 +$$

$$x_3x_4y_1^2y_5 - x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 - y_1^2y_3y_4y_5)) + a^r_{2,0,1,0,1,0,1,0,-1,0}(x_1(2x_2x_3x_4y_1y_5 -$$

$$2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 - 2x_2y_1y_3y_4y_5 - 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 -$$

$$2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 + x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 -$$

$$x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 + x_5y_1^2y_3y_4) + y_2(x_1^2x_3x_4y_5 - x_1^2x_3x_5y_4 -$$

$$x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 - x_3x_4y_1^2y_5 + x_3x_5y_1^2y_4 + x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) +$$

$$a^r_{2,0,2,0,-2,0,0,0,0,0}(x_1(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3) + y_1(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3))(x_1(x_2x_3 + x_2y_3 -$$

$$x_3y_2 + y_2y_3) + y_1(-x_2x_3 + x_2y_3 - x_3y_2 - y_2y_3)) + a^r_{2,0,2,0,0,0,-2,0,0,0}(x_1(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4) +$$

$$y_1(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4))(x_1(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) + y_1(-x_2x_4 + x_2y_4 - x_4y_2 - y_2y_4)) +$$

$$a^r_{2,0,2,0,0,0,0,0,2,0}(x_1(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5) + y_1(-x_2x_5 - x_2y_5 - x_5y_2 + y_2y_5))(x_1(x_2x_5 + x_2y_5 +$$

$$x_5y_2 - y_2y_5) + y_1(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)) + a^r_{2,0,4,0,0,0,0,0,0,0}(x_1(x_2^2 - 2x_2y_2 - y_2^2) + y_1(-x_2^2 -$$

$$2x_2y_2 + y_2^2))(x_1(x_2^2 + 2x_2y_2 - y_2^2) + y_1(x_2^2 - 2x_2y_2 - y_2^2)) + a^r_{2,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2 -$$

$$y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1(x_5 - y_5) + y_1(x_5 +$$

$$y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) +$$

$$y_1(x_4 - y_4)) + a^r_{2,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a^r_{3,0,-1,0,0,0,0,0,-2,0}(x_1(-3x_2x_5^2y_1^2 + 3x_2y_1^2y_5^2 + 6x_5y_1^2y_2y_5) + x_2(x_1^3x_5^2 - x_1^3y_5^2 -$$

$$2x_5y_1^3y_5) + y_1(6x_1^2x_2x_5y_5 + 3x_1^2x_5^2y_2 - 3x_1^2y_2y_5^2) + y_2(-2x_1^3x_5y_5 - x_5^2y_1^3 +$$

$$y_1^3y_5^2)) + a^r_{3,0,-1,0,0,0,2,0,0,0}(x_1(-3x_2x_4^2y_1^2 + 3x_2y_1^2y_4^2 - 6x_4y_1^2y_2y_4) + x_2(x_1^3x_4^2 -$$

$$x_1^3y_4^2 + 2x_4y_1^3y_4) + y_1(-6x_1^2x_2x_4y_4 + 3x_1^2x_4^2y_2 - 3x_1^2y_2y_4^2) + y_2(2x_1^3x_4y_4 -$$

$$x_4^2y_1^3 + y_1^3y_4^2)) + a^r_{3,0,-1,0,2,0,0,0,0,0}(x_1(-3x_2x_3^2y_1^2 + 3x_2y_1^2y_3^2 - 6x_3y_1^2y_2y_3) +$$

$$x_2(x_1^3x_3^2 - x_1^3y_3^2 + 2x_3y_1^3y_3) + y_1(-6x_1^2x_2x_3y_3 + 3x_1^2x_3^2y_2 - 3x_1^2y_2y_3^2) +$$

$$y_2(2x_1^3x_3y_3 - x_3^2y_1^3 + y_1^3y_3^2)) + a_{3,0,-3,0,0,0,0,0,0,0}^r(x_1x_2 + y_1y_2)(x_1^2x_2^2 - 3x_1^2y_2^2 +$$

$$8x_1x_2y_1y_2 - 3x_2^2y_1^2 + y_1^2y_2^2) + a_{3,0,0,0,-1,0,-1,0,1,0}^r(x_1(-3x_3x_4x_5y_1^2 - 3x_3y_1^2y_4y_5 -$$

$$3x_4y_1^2y_3y_5 + 3x_5y_1^2y_3y_4) + x_3(x_1^3x_4x_5 + x_1^3y_4y_5 + x_4y_1^3y_5 - x_5y_1^3y_4) + y_1(-$$

$$3x_1^2x_3x_4y_5 + 3x_1^2x_3x_5y_4 + 3x_1^2x_4x_5y_3 + 3x_1^2y_3y_4y_5) + y_3(x_1^3x_4y_5 - x_1^3x_5y_4 -$$

$$x_4x_5y_1^3 - y_1^3y_4y_5)) + a_{3,0,0,0,1,0,1,0,-1,0}^r(x_1(-3x_3x_4x_5y_1^2 - 3x_3y_1^2y_4y_5 - 3x_4y_1^2y_3y_5 +$$

$$3x_5y_1^2y_3y_4) + x_3(x_1^3x_4x_5 + x_1^3y_4y_5 - x_4y_1^3y_5 + x_5y_1^3y_4) + y_1(3x_1^2x_3x_4y_5 -$$

$$3x_1^2x_3x_5y_4 - 3x_1^2x_4x_5y_3 - 3x_1^2y_3y_4y_5) + y_3(x_1^3x_4y_5 - x_1^3x_5y_4 + x_4x_5y_1^3 +$$

$$y_1^3y_4y_5)) + a_{3,0,1,0,-2,0,0,0,0,0}^r(x_1(-3x_2x_3^2y_1^2 + 3x_2y_1^2y_3^2 - 6x_3y_1^2y_2y_3) + x_2(x_1^3x_3^2 -$$

$$x_1^3y_3^2 - 2x_3y_1^3y_3) + y_1(6x_1^2x_2x_3y_3 - 3x_1^2x_3^2y_2 + 3x_1^2y_2y_3^2) + y_2(2x_1^3x_3y_3 +$$

$$x_3^2y_1^3 - y_1^3y_3^2)) + a_{3,0,1,0,0,0,-2,0,0,0}^r(x_1(-3x_2x_4^2y_1^2 + 3x_2y_1^2y_4^2 - 6x_4y_1^2y_2y_4) +$$

$$x_2(x_1^3x_4^2 - x_1^3y_4^2 - 2x_4y_1^3y_4) + y_1(6x_1^2x_2x_4y_4 - 3x_1^2x_4^2y_2 + 3x_1^2y_2y_4^2) +$$

$$y_2(2x_1^3x_4y_4 + x_4^2y_1^3 - y_1^3y_4^2)) + a_{3,0,1,0,0,0,0,0,2,0}^r(x_1(-3x_2x_5^2y_1^2 + 3x_2y_1^2y_5^2 +$$

$$6x_5y_1^2y_2y_5) + x_2(x_1^3x_5^2 - x_1^3y_5^2 + 2x_5y_1^3y_5) + y_1(-6x_1^2x_2x_5y_5 - 3x_1^2x_5^2y_2 +$$

$$3x_1^2y_2y_5^2) + y_2(-2x_1^3x_5y_5 + x_5^2y_1^3 - y_1^3y_5^2)) + a_{3,0,3,0,0,0,0,0,0,0}^r(x_1x_2 - y_1y_2)(x_1^2x_2^2 -$$

$$3x_1^2y_2^2 - 8x_1x_2y_1y_2 - 3x_2^2y_1^2 + y_1^2y_2^2) + a_{4,0,0,0,-2,0,0,0,0,0}^r(x_1(-2x_3y_1 + 2y_1y_3) + x_3(x_1^2 -$$

$$y_1^2) + y_3(x_1^2 - y_1^2))(x_1(2x_3y_1 + 2y_1y_3) + x_3(x_1^2 - y_1^2) + y_3(-x_1^2 + y_1^2)) + a_{4,0,0,0,0,0,-2,0,0,0}^r(x_1(-$$

$$2x_4y_1 + 2y_1y_4) + x_4(x_1^2 - y_1^2) + y_4(x_1^2 - y_1^2))(x_1(2x_4y_1 + 2y_1y_4) + x_4(x_1^2 - y_1^2) + y_4(-x_1^2 +$$

$$y_1^2)) + a_{4,0,0,0,0,0,0,0,2,0}^r(x_1(-2x_5y_1 - 2y_1y_5) + x_5(x_1^2 - y_1^2) + y_5(-x_1^2 + y_1^2))(x_1(2x_5y_1 - 2y_1y_5) +$$

$$x_5(x_1^2 - y_1^2) + y_5(x_1^2 - y_1^2)) + a_{4,0,2,0,0,0,0,0,0,0}^r(x_1(-2x_2y_1 - 2y_1y_2) + x_2(x_1^2 - y_1^2) + y_2(-x_1^2 +$$

$$y_1^2))(x_1(2x_2y_1 - 2y_1y_2) + x_2(x_1^2 - y_1^2) + y_2(x_1^2 - y_1^2)) + a_{5,0,1,0,0,0,0,0,0,0}^r(-5x_1^4y_1y_2 +$$

$$5x_1x_2y_1^4 + x_2(x_1^5 - 10x_1^3y_1^2) + y_2(10x_1^2y_1^3 - y_1^5)) + a_{6,0,0,0,0,0,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 -$$

$$4x_1y_1 + y_1^2)(x_1^2 + 4x_1y_1 + y_1^2)$$

$$H_{--}^{(6)} = a_{0,0,0,0,0,0,0,0,0,0,3}^r(x_5^2 + y_5^2)^3 + a_{0,0,0,0,0,0,0,0,0,6,0}^r(x_5 - y_5)(x_5 + y_5)(x_5^2 - 4x_5y_5 + y_5^2)(x_5^2 + 4x_5y_5 + y_5^2) +$$

$$a_{0,0,0,0,0,0,0,1,0,2}^r(x_4^2 + y_4^2)(x_5^2 + y_5^2)^2 + a_{0,0,0,0,0,0,0,2,0,1}^r(x_4^2 + y_4^2)^2(x_5^2 + y_5^2) +$$

$$a_{0,0,0,0,0,0,0,3,0,0}^r(x_4^2 + y_4^2)^3 + a_{0,0,0,0,0,0,2,0,-4,0}^r(x_4(x_5^2 - 2x_5y_5 - y_5^2) + y_4(x_5^2 + 2x_5y_5 -$$

$$y_5^2))(x_4(x_5^2 + 2x_5y_5 - y_5^2) + y_4(-x_5^2 + 2x_5y_5 + y_5^2)) + a_{0,0,0,0,0,0,2,0,2,1}^r(x_5^2 + y_5^2)(x_4(x_5 - y_5) + y_4(-$$

$$x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a_{0,0,0,0,0,0,2,1,2,0}^r(x_4^2 + y_4^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) +$$

$$y_4(x_5 - y_5)) + a_{0,0,0,0,0,0,4,0,-2,0}^r(x_4(-2x_5y_4 + 2y_4y_5) + x_5(x_4^2 - y_4^2) + y_5(x_4^2 - y_4^2))(x_4(2x_5y_4 +$$

$$2y_4y_5) + x_5(x_4^2 - y_4^2) + y_5(-x_4^2 + y_4^2)) + a_{0,0,0,0,0,0,6,0,0,0}^r(x_4 - y_4)(x_4 + y_4)(x_4^2 - 4x_4y_4 + y_4^2)(x_4^2 +$$

$$4x_4y_4 + y_4^2) + a_{0,0,0,0,0,1,0,0,0,2}^r(x_3^2 + y_3^2)(x_5^2 + y_5^2)^2 + a_{0,0,0,0,0,1,0,1,0,1}^r(x_3^2 + y_3^2)(x_4^2 +$$

$$y_4^2)(x_5^2 + y_5^2) + a_{0,0,0,0,0,1,0,2,0,0}^r(x_3^2 + y_3^2)(x_4^2 + y_4^2)^2 + a_{0,0,0,0,0,1,2,0,2,0}^r(x_3^2 + y_3^2)(x_4(x_5 - y_5) +$$

$$y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a_{0,0,0,0,0,2,0,0,0,1}^r(x_3^2 + y_3^2)^2(x_5^2 + y_5^2) + a_{0,0,0,0,0,2,0,1,0,0}^r(x_3^2 +$$

$$y_3^2)^2(x_4^2 + y_4^2) + a_{0,0,0,0,0,3,0,0,0,0}^r(x_3^2 + y_3^2)^3 + a_{0,0,0,0,2,0,-2,0,0,1}^r(x_5^2 + y_5^2)(x_3(x_4 - y_4) + y_3(x_4 +$$

$$y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a_{0,0,0,0,2,0,-2,1,0,0}^r(x_4^2 + y_4^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-$$

$$x_4 + y_4)) + a_{0,0,0,0,2,0,0,0,-4,0}^r(x_3(x_5^2 - 2x_5y_5 - y_5^2) + y_3(x_5^2 + 2x_5y_5 - y_5^2))(x_3(x_5^2 + 2x_5y_5 - y_5^2) +$$

$$y_3(-x_5^2 + 2x_5y_5 + y_5^2)) + a_{0,0,0,0,2,0,0,0,2,1}^r(x_5^2 + y_5^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 -$$

$$y_5)) + a_{0,0,0,0,2,0,0,1,2,0}^r(x_4^2 + y_4^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) +$$

$$a_{0,0,0,0,2,0,2,0,-2,0}^r(x_3(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_3(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5))(x_3(x_4x_5 + x_4y_5 -$$

$$x_5y_4 + y_4y_5) + y_3(-x_4x_5 + x_4y_5 - x_5y_4 - y_4y_5)) + a_{0,0,0,0,2,0,4,0,0,0}^r(x_3(x_4^2 - 2x_4y_4 - y_4^2) + y_3(-x_4^2 -$$

$$2x_4y_4 + y_4^2))(x_3(x_4^2 + 2x_4y_4 - y_4^2) + y_3(x_4^2 - 2x_4y_4 - y_4^2)) + a_{0,0,0,0,2,1,-2,0,0,0}^r(x_3^2 + y_3^2)(x_3(x_4 -$$

$$y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,0,2,1,0,0,2,0}(x_3^2 + y_3^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,0,0,0,4,0,0,0,-2,0}(x_3(-2x_5y_3 + 2y_3y_5) + x_5(x_3^2 - y_3^2) + y_5(x_3^2 - y_3^2))(x_3(2x_5y_3 + 2y_3y_5) + x_5(x_3^2 - y_3^2) + y_5(-x_3^2 + y_3^2)) + a^r_{0,0,0,0,4,0,2,0,0,0}(x_3(-2x_4y_3 - 2y_3y_4) + x_4(x_3^2 - y_3^2) + y_4(-x_3^2 + y_3^2))(x_3(2x_4y_3 - 2y_3y_4) + x_4(x_3^2 - y_3^2) + y_4(x_3^2 - y_3^2)) +$$

$$a^r_{0,0,0,0,6,0,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 - 4x_3y_3 + y_3^2)(x_3^2 + 4x_3y_3 + y_3^2) + a^r_{0,0,0,1,0,0,0,0,0,2}(x_2^2 + y_2^2)(x_5^2 + y_5^2)^2 + a^r_{0,0,0,1,0,0,0,1,0,1}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,0,0,1,0,0,0,2,0,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)^2 + a^r_{0,0,0,1,0,0,2,0,2,0}(x_2^2 + y_2^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) +$$

$$a^r_{0,0,0,1,0,1,0,0,0,1}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) + a^r_{0,0,0,1,0,1,0,1,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,0,0,1,0,2,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)^2 + a^r_{0,0,0,1,2,0,-2,0,0,0}(x_2^2 + y_2^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,1,2,0,0,0,2,0}(x_2^2 + y_2^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,0,0,2,0,0,0,0,0,1}(x_2^2 + y_2^2)^2(x_5^2 + y_5^2) + a^r_{0,0,0,2,0,0,0,1,0,0}(x_2^2 + y_2^2)^2(x_4^2 + y_4^2) +$$

$$a^r_{0,0,0,2,0,1,0,0,0,0}(x_2^2 + y_2^2)^2(x_3^2 + y_3^2) + a^r_{0,0,0,3,0,0,0,0,0,0}(x_2^2 + y_2^2)^3 +$$

$$a^r_{0,0,1,0,-1,0,-1,0,-3,0}(x_2(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 - 3x_3x_5^2y_4y_5 + x_3y_4y_5^3 - 3x_4x_5^2y_3y_5 + x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_2(3x_3x_4x_5^2y_5 - x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 - 3x_5^2y_3y_4y_5 + y_3y_4y_5^3)) +$$

$$a^r_{0,0,1,0,-1,0,-1,0,3,0}(x_2(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 + 3x_3x_5^2y_4y_5 - x_3y_4y_5^3 + 3x_4x_5^2y_3y_5 - x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_2(-3x_3x_4x_5^2y_5 + x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 + 3x_5^2y_3y_4y_5 - y_3y_4y_5^3)) +$$

$$a^r_{0,0,1,0,-1,0,-3,0,1,0}(x_2(x_3x_4^3x_5 + 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 - x_3y_4^3y_5 + x_4^3y_3y_5 - 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 + 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 - x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 - y_3y_4^3y_5)) + a^r_{0,0,1,0,-1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$$

$$a^r_{0,0,1,0,-1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,-1,0,3,0,1,0}(x_2(x_3x_4^3x_5 - 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5 + x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 - x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 - 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 + y_3y_4^3y_5)) +$$

$$a^r_{0,0,1,0,-1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,-3,0,-1,0,1,0}(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 + 3x_3^2x_4y_3y_5 - 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 - x_4y_3^3y_5 + x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 + x_3^3x_5y_4 + 3x_3^2x_4x_5y_3 + 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 - x_4x_5y_3^3 - y_3^3y_4y_5)) +$$

$$a^r_{0,0,1,0,1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,0,1,1}(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$

$$a^r_{0,0,1,0,1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,3,0,-1,0,1,0}(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 - 3x_3^2x_4y_3y_5 + 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 + x_4y_3^3y_5 - x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 + x_3^3x_5y_4 - 3x_3^2x_4x_5y_3 - 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 + x_4x_5y_3^3 + y_3^3y_4y_5)) + a^r_{0,0,1,1,-1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,1,1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 +$$

$$x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,1,1,0,1,0,1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5-$$

$$x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5))+$$

$$a^r_{0,0,2,0,-2,0,-2,0,0,0}(x_2(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4) + y_2(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_2(x_3x_4 + x_3y_4+$$

$$x_4y_3 - y_3y_4) + y_2(-x_3x_4 + x_3y_4 + x_4y_3 + y_3y_4)) + a^r_{0,0,2,0,-2,0,0,0,2,0}(x_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) + y_2(-$$

$$x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_2(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + y_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5))+$$

$$a^r_{0,0,2,0,-4,0,0,0,0,0}(x_2(x_3^2 - 2x_3y_3 - y_3^2) + y_2(x_3^2 + 2x_3y_3 - y_3^2))(x_2(x_3^2 + 2x_3y_3 - y_3^2) + y_2(-x_3^2+$$

$$2x_3y_3 + y_3^2)) + a^r_{0,0,2,0,0,0,0,-2,0,2,0}(x_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_2(-x_4x_5 - x_4y_5 + x_5y_4-$$

$$y_4y_5))(x_2(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)) + a^r_{0,0,2,0,0,0,-4,0,0,0}(x_2(x_4^2-$$

$$2x_4y_4 - y_4^2) + y_2(x_4^2 + 2x_4y_4 - y_4^2))(x_2(x_4^2 + 2x_4y_4 - y_4^2) + y_2(-x_4^2 + 2x_4y_4 + y_4^2))+$$

$$a^r_{0,0,2,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5))+$$

$$a^r_{0,0,2,0,0,0,0,0,4,0}(x_2(x_5^2 - 2x_5y_5 - y_5^2) + y_2(-x_5^2 - 2x_5y_5 + y_5^2))(x_2(x_5^2 + 2x_5y_5 - y_5^2) + y_2(x_5^2-$$

$$2x_5y_5 - y_5^2)) + a^r_{0,0,2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5))+$$

$$a^r_{0,0,2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,0,0,2,1,0,0}(x_4^2+$$

$$y_4^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2(x_5 - y_5)+$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,0,2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4+$$

$$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3))+$$

$$a^r_{0,0,2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,0,2,0,2,1,0,0,0,0}(x_3^2+$$

$$y_3^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,0,2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2(x_5 - y_5)+$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,0,2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4+$$

$$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3))+$$

$$a^r_{0,0,3,0,-1,0,-1,0,1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4)+$$

$$x_3(x_2^3x_4x_5 + x_2^3y_4y_5 + x_4y_2^3y_5 - x_5y_2^3y_4) + y_2(-3x_2^2x_3x_4y_5 + 3x_2^2x_3x_5y_4+$$

$$3x_2^2x_4x_5y_3 + 3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 - x_4x_5y_2^3 - y_2^3y_4y_5))+$$

$$a^r_{0,0,3,0,1,0,1,0,-1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) + x_3(x_2^3x_4x_5+$$

$$x_2^3y_4y_5 - x_4y_2^3y_5 + x_5y_2^3y_4) + y_2(3x_2^2x_3x_4y_5 - 3x_2^2x_3x_5y_4 - 3x_2^2x_4x_5y_3-$$

$$3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 + x_4x_5y_2^3 + y_2^3y_4y_5)) + a^r_{0,0,4,0,-2,0,0,0,0,0}(x_2(-2x_3y_2+$$

$$2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(x_2^2 - y_2^2))(x_2(2x_3y_2 + 2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(-x_2^2 + y_2^2))+$$

$$a^r_{0,0,4,0,0,0,-2,0,0,0}(x_2(-2x_4y_2 + 2y_2y_4) + x_4(x_2^2 - y_2^2) + y_4(x_2^2 - y_2^2))(x_2(2x_4y_2 + 2y_2y_4) + x_4(x_2^2-$$

$$y_2^2) + y_4(-x_2^2 + y_2^2)) + a^r_{0,0,4,0,0,0,0,0,0,2,0}(x_2(-2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(-x_2^2+$$

$$y_2^2))(x_2(2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(x_2^2 - y_2^2)) + a^r_{0,0,6,0,0,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2-$$

$$4x_2y_2 + y_2^2)(x_2^2 + 4x_2y_2 + y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,0,2}(x_1^2 + y_1^2)(x_5^2 + y_5^2)^2 + a^r_{0,1,0,0,0,0,0,0,1,0,1}(x_1^2+$$

$$y_1^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,0,0,2,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)^2 + a^r_{0,1,0,0,0,0,2,0,2,0}(x_1^2+$$

$$y_1^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,1,0,0,0,1,0,0,0,1}(x_1^2 + y_1^2)(x_3^2+$$

$$y_3^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,1,0,1,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,1,0,0,0,2,0,0,0,0}(x_1^2+$$

$$y_1^2)(x_3^2 + y_3^2)^2 + a^r_{0,1,0,0,2,0,-2,0,0,0}(x_1^2 + y_1^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4))+$$

$$a^r_{0,1,0,0,2,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,1,0,1,0,0,0,0,0,1}(x_1^2+$$

$$y_1^2)(x_2^2 + y_2^2)(x_5^2 + y_5^2) + a^r_{0,1,0,1,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_4^2 + y_4^2)+$$

$$a^r_{0,1,0,1,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + a^r_{0,1,0,2,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)^2+$$

$$a^r_{0,1,1,0,-1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4+$$

$$x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)+$$

$$y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,1,0,1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5-$$

$$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,2,0,0,0,0,0,-2,0}(x_1^2+$$

$$y_1^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a_{0,1,2,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_4 - y_4) + y_2(-$$

$$x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a_{0,1,2,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) +$$

$$y_2(x_3 - y_3)) + a_{0,2,0,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)^2(x_5^2 + y_5^2) + a_{0,2,0,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)^2(x_4^2 + y_4^2) +$$

$$a_{0,2,0,0,0,1,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_3^2 + y_3^2) + a_{0,2,0,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_2^2 + y_2^2) +$$

$$a_{0,3,0,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^3 + a_{1,0,-1,0,-2,0,0,0,-2,0}^r(x_1(x_2 x_3^2 x_5^2 - x_2 x_3^2 y_5^2 - 4x_2 x_3 x_5 y_3 y_5 -$$

$$x_2 x_5^2 y_3^2 + x_2 y_3^2 y_5^2 - 2x_3^2 x_5 y_2 y_5 - 2x_3 x_5^2 y_2 y_3 + 2x_3 y_2 y_3 y_5^2 + 2x_5 y_2 y_3^2 y_5) +$$

$$y_1(2x_2 x_3^2 x_5 y_5 + 2x_2 x_3 x_5^2 y_3 - 2x_2 x_3 y_3 y_5^2 - 2x_2 x_5 y_3^2 y_5 + x_3^2 x_5^2 y_2 - x_3^2 y_2 y_5^2 -$$

$$4x_3 x_5 y_2 y_3 y_5 - x_5^2 y_2 y_3^2 + y_2 y_3^2 y_5^2)) + a_{1,0,-1,0,-2,0,2,0,0,0}^r(x_1(x_2 x_3^2 x_4^2 - x_2 x_3^2 y_4^2 +$$

$$4x_2 x_3 x_4 y_3 y_4 - x_2 x_4^2 y_3^2 + x_2 y_3^2 y_4^2 + 2x_3^2 x_4 y_2 y_4 - 2x_3 x_4^2 y_2 y_3 + 2x_3 y_2 y_3 y_4^2 -$$

$$2x_4 y_2 y_3^2 y_4) + y_1(-2x_2 x_3^2 x_4 y_4 + 2x_2 x_3 x_4^2 y_3 - 2x_2 x_3 y_3 y_4^2 + 2x_2 x_4 y_3^2 y_4 + x_3^2 x_4^2 y_2 -$$

$$x_3^2 y_2 y_4^2 + 4x_3 x_4 y_2 y_3 y_4 - x_4^2 y_2 y_3^2 + y_2 y_3^2 y_4^2)) + a_{1,0,-1,0,0,0,-2,0,-2,0}^r(x_1(x_2 x_4^2 x_5^2 -$$

$$x_2 x_4^2 y_5^2 - 4x_2 x_4 x_5 y_4 y_5 - x_2 x_5^2 y_4^2 + x_2 y_4^2 y_5^2 - 2x_4^2 x_5 y_2 y_5 - 2x_4 x_5^2 y_2 y_4 +$$

$$2x_4 y_2 y_4 y_5^2 + 2x_5 y_2 y_4^2 y_5) + y_1(2x_2 x_4^2 x_5 y_5 + 2x_2 x_4 x_5^2 y_4 - 2x_2 x_4 y_4 y_5^2 -$$

$$2x_2 x_5 y_4^2 y_5 + x_4^2 x_5^2 y_2 - x_4^2 y_2 y_5^2 - 4x_4 x_5 y_2 y_4 y_5 - x_5^2 y_2 y_4^2 + y_2 y_4^2 y_5^2)) +$$

$$a_{1,0,-1,0,0,0,0,0,0,2}^r(x_5^2 + y_5^2)^2(x_1 x_2 + y_1 y_2) + a_{1,0,-1,0,0,0,0,1,0,1}^r(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1 x_2 + y_1 y_2) +$$

$$a_{1,0,-1,0,0,0,0,2,0,0}^r(x_4^2 + y_4^2)^2(x_1 x_2 + y_1 y_2) + a_{1,0,-1,0,0,0,2,0,2,0}^r(x_1(x_2 x_4^2 x_5^2 - x_2 x_4^2 y_5^2 -$$

$$4x_2 x_4 x_5 y_4 y_5 - x_2 x_5^2 y_4^2 + x_2 y_4^2 y_5^2 + 2x_4^2 x_5 y_2 y_5 + 2x_4 x_5^2 y_2 y_4 - 2x_4 y_2 y_4 y_5^2 -$$

$$2x_5 y_2 y_4^2 y_5) + y_1(-2x_2 x_4^2 x_5 y_5 - 2x_2 x_4 x_5^2 y_4 + 2x_2 x_4 y_4 y_5^2 + 2x_2 x_5 y_4^2 y_5 + x_4^2 x_5^2 y_2 -$$

$$x_4^2 y_2 y_5^2 - 4x_4 x_5 y_2 y_4 y_5 - x_5^2 y_2 y_4^2 + y_2 y_4^2 y_5^2)) + a_{1,0,-1,0,0,1,0,0,0,1}^r(x_3^2 + y_3^2)(x_5^2 +$$

$$y_5^2)(x_1 x_2 + y_1 y_2) + a_{1,0,-1,0,0,1,0,1,0,0}^r(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1 x_2 + y_1 y_2) + a_{1,0,-1,0,0,2,0,0,0,0}^r(x_3^2 +$$

$$y_3^2)^2(x_1 x_2 + y_1 y_2) + a_{1,0,-1,0,2,0,-2,0,0,0}^r(x_1(x_2 x_3^2 x_4^2 - x_2 x_3^2 y_4^2 + 4x_2 x_3 x_4 y_3 y_4 -$$

$$x_2 x_4^2 y_3^2 + x_2 y_3^2 y_4^2 - 2x_3^2 x_4 y_2 y_4 + 2x_3 x_4^2 y_2 y_3 - 2x_3 y_2 y_3 y_4^2 + 2x_4 y_2 y_3^2 y_4) +$$

$$y_1(2x_2 x_3^2 x_4 y_4 - 2x_2 x_3 x_4^2 y_3 + 2x_2 x_3 y_3 y_4^2 - 2x_2 x_4 y_3^2 y_4 + x_3^2 x_4^2 y_2 - x_3^2 y_2 y_4^2 +$$

$$4x_3 x_4 y_2 y_3 y_4 - x_4^2 y_2 y_3^2 + y_2 y_3^2 y_4^2)) + a_{1,0,-1,0,2,0,0,0,0,2,0}^r(x_1(x_2 x_3^2 x_5^2 - x_2 x_3^2 y_5^2 -$$

$$4x_2 x_3 x_5 y_3 y_5 - x_2 x_5^2 y_3^2 + x_2 y_3^2 y_5^2 + 2x_3^2 x_5 y_2 y_5 + 2x_3 x_5^2 y_2 y_3 - 2x_3 y_2 y_3 y_5^2 -$$

$$2x_5 y_2 y_3^2 y_5) + y_1(-2x_2 x_3^2 x_5 y_5 - 2x_2 x_3 x_5^2 y_3 + 2x_2 x_3 y_3 y_5^2 + 2x_2 x_5 y_3^2 y_5 + x_3^2 x_5^2 y_2 -$$

$$x_3^2 y_2 y_5^2 - 4x_3 x_5 y_2 y_3 y_5 - x_5^2 y_2 y_3^2 + y_2 y_3^2 y_5^2)) + a_{1,0,-1,1,0,0,0,0,0,1}^r(x_2^2 + y_2^2)(x_5^2 +$$

$$y_5^2)(x_1 x_2 + y_1 y_2) + a_{1,0,-1,1,0,0,0,1,0,0}^r(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_1 x_2 + y_1 y_2) + a_{1,0,-1,1,0,1,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_3^2 + y_3^2)(x_1 x_2 + y_1 y_2) + a_{1,0,-1,2,0,0,0,0,0,0}^r(x_2^2 + y_2^2)^2(x_1 x_2 + y_1 y_2) +$$

$$a_{1,0,-2,0,-1,0,-1,0,-1,0}^r(x_1(x_2^2 x_3 x_4 x_5 - x_2^2 x_3 y_4 y_5 - x_2^2 x_4 y_3 y_5 - x_2^2 x_5 y_3 y_4 - 2x_2 x_3 x_4 y_2 y_5 -$$

$$2x_2 x_3 x_5 y_2 y_4 - 2x_2 x_4 x_5 y_2 y_3 + 2x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 + x_3 y_2^2 y_4 y_5 + x_4 y_2^2 y_3 y_5 +$$

$$x_5 y_2^2 y_3 y_4) + y_1(x_2^2 x_3 x_4 y_5 + x_2^2 x_3 x_5 y_4 + x_2^2 x_4 x_5 y_3 - x_2^2 y_3 y_4 y_5 + 2x_2 x_3 x_4 x_5 y_2 -$$

$$2x_2 x_3 y_2 y_4 y_5 - 2x_2 x_4 y_2 y_3 y_5 - 2x_2 x_5 y_2 y_3 y_4 - x_3 x_4 y_2^2 y_5 - x_3 x_5 y_2^2 y_4 - x_4 x_5 y_2^2 y_3 +$$

$$y_2^2 y_3 y_4 y_5)) + a_{1,0,-2,0,-1,0,1,0,1,0}^r(x_1(x_2^2 x_3 x_4 x_5 - x_2^2 x_3 y_4 y_5 + x_2^2 x_4 y_3 y_5 + x_2^2 x_5 y_3 y_4 +$$

$$2x_2 x_3 x_4 y_2 y_5 + 2x_2 x_3 x_5 y_2 y_4 - 2x_2 x_4 x_5 y_2 y_3 + 2x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 + x_3 y_2^2 y_4 y_5 -$$

$$x_4 y_2^2 y_3 y_5 - x_5 y_2^2 y_3 y_4) + y_1(-x_2^2 x_3 x_4 y_5 - x_2^2 x_3 x_5 y_4 + x_2^2 x_4 x_5 y_3 - x_2^2 y_3 y_4 y_5 +$$

$$2x_2 x_3 x_4 x_5 y_2 - 2x_2 x_3 y_2 y_4 y_5 + 2x_2 x_4 y_2 y_3 y_5 + 2x_2 x_5 y_2 y_3 y_4 + x_3 x_4 y_2^2 y_5 + x_3 x_5 y_2^2 y_4 -$$

$$x_4 x_5 y_2^2 y_3 + y_2^2 y_3 y_4 y_5)) + a_{1,0,-2,0,1,0,-1,0,1,0}^r(x_1(x_2^2 x_3 x_4 x_5 + x_2^2 x_3 y_4 y_5 - x_2^2 x_4 y_3 y_5 +$$

$$x_2^2 x_5 y_3 y_4 + 2x_2 x_3 x_4 y_2 y_5 - 2x_2 x_3 x_5 y_2 y_4 + 2x_2 x_4 x_5 y_2 y_3 + 2x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 -$$

$$x_3 y_2^2 y_4 y_5 + x_4 y_2^2 y_3 y_5 - x_5 y_2^2 y_3 y_4) + y_1(-x_2^2 x_3 x_4 y_5 + x_2^2 x_3 x_5 y_4 - x_2^2 x_4 x_5 y_3 -$$

$$x_2^2 y_3 y_4 y_5 + 2x_2 x_3 x_4 x_5 y_2 + 2x_2 x_3 y_2 y_4 y_5 - 2x_2 x_4 y_2 y_3 y_5 + 2x_2 x_5 y_2 y_3 y_4 + x_3 x_4 y_2^2 y_5 -$$

$$x_3 x_5 y_2^2 y_4 + x_4 x_5 y_2^2 y_3 + y_2^2 y_3 y_4 y_5)) + a_{1,0,-3,0,-2,0,0,0,0,0}^r(x_1(x_2^3 x_3^2 - x_2^3 y_3^2 -$$

$$6x_2^2x_3y_2y_3 - 3x_2x_3^2y_2^2 + 3x_2y_2^2y_3^2 + 2x_3y_2^3y_3) + y_1(2x_2^3x_3y_3 + 3x_2^2x_3^2y_2 -$$

$$3x_2^2y_2y_3^2 - 6x_2x_3y_2^2y_3 - x_3^2y_2^3 + y_2^3y_3^2)) + a_{1,0,-3,0,0,0,-2,0,0,0}^r(x_1(x_2^3x_4^2 - x_2^3y_4^2 -$$

$$6x_2^2x_4y_2y_4 - 3x_2x_4^2y_2^2 + 3x_2y_2^2y_4^2 + 2x_4y_2^3y_4) + y_1(2x_2^3x_4y_4 + 3x_2^2x_4^2y_2 -$$

$$3x_2^2y_2y_4^2 - 6x_2x_4y_2^2y_4 - x_4^2y_2^3 + y_2^3y_4^2)) + a_{1,0,-3,0,0,0,0,0,2,0}^r(x_1(x_2^3x_5^2 - x_2^3y_5^2 +$$

$$6x_2^2x_5y_2y_5 - 3x_2x_5^2y_2^2 + 3x_2y_2^2y_5^2 - 2x_5y_2^3y_5) + y_1(-2x_2^3x_5y_5 + 3x_2^2x_5^2y_2 -$$

$$3x_2^2y_2y_5^2 + 6x_2x_5y_2^2y_5 - x_5^2y_2^3 + y_2^3y_5^2)) + a_{1,0,0,0,-1,0,-1,0,-3,0}^r(x_1(x_3x_4x_5^3 -$$

$$3x_3x_4x_5y_5^2 - 3x_3x_5^2y_4y_5 + x_3y_4y_5^3 - 3x_4x_5^2y_3y_5 + x_4y_3y_5^3 - x_5^3y_3y_4 +$$

$$3x_5y_3y_4y_5^2) + y_1(3x_3x_4x_5^2y_5 - x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 -$$

$$3x_4x_5y_3y_5^2 - 3x_5^2y_3y_4y_5 + y_3y_4y_5^3)) + a_{1,0,0,0,-1,0,-1,0,3,0}^r(x_1(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 +$$

$$3x_3x_5^2y_4y_5 - x_3y_4y_5^3 + 3x_4x_5^2y_3y_5 - x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_1(-$$

$$3x_3x_4x_5^2y_5 + x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 +$$

$$3x_5^2y_3y_4y_5 - y_3y_4y_5^3)) + a_{1,0,0,0,-1,0,-3,0,1,0}^r(x_1(x_3x_4^3x_5 + 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 -$$

$$x_3y_4^3y_5 + x_4^3y_3y_5 - 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_1(-x_3x_4^3y_5 +$$

$$3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 - x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 -$$

$$y_3y_4^3y_5)) + a_{1,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 -$$

$$x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$$

$$x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-1,0,3,0,1,0}^r(x_1(x_3x_4^3x_5 -$$

$$3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5 + x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 -$$

$$x_5y_3y_4^3) + y_1(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 -$$

$$3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 + y_3y_4^3y_5)) + a_{1,0,0,0,-1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_1(x_3x_4x_5 + x_3y_4y_5 -$$

$$x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-3,0,-1,0,1,0}^r(x_1(x_3^3x_4x_5 +$$

$$x_3^3y_4y_5 + 3x_3^2x_4y_3y_5 - 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 - x_4y_3^3y_5 +$$

$$x_5y_3^3y_4) + y_1(-x_3^3x_4y_5 + x_3^3x_5y_4 + 3x_3^2x_4x_5y_3 + 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 -$$

$$3x_3x_5y_3^2y_4 - x_4x_5y_3^3 - y_3^3y_4y_5)) + a_{1,0,0,0,1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 - x_3y_4y_5 +$$

$$x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,0,-1,1,-1,0}^r(x_4^2 +$$

$$y_4^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$

$$a_{1,0,0,0,1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 -$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_1(x_3x_4x_5 - x_3y_4y_5 +$$

$$x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,1,1,0,1,0}^r(x_3^2 +$$

$$y_3^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$

$$a_{1,0,0,0,3,0,-1,0,1,0}^r(x_1(x_3^3x_4x_5 + x_3^3y_4y_5 - 3x_3^2x_4y_3y_5 + 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 -$$

$$3x_3y_3^2y_4y_5 + x_4y_3^3y_5 - x_5y_3^3y_4) + y_1(-x_3^3x_4y_5 + x_3^3x_5y_4 - 3x_3^2x_4x_5y_3 -$$

$$3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 + x_4x_5y_3^3 + y_3^3y_4y_5)) + a_{1,0,0,1,-1,0,1,0,-1,0}^r(x_2^2 +$$

$$y_2^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$$

$$a_{1,0,0,1,1,0,-1,0,-1,0}^r(x_2^2 + y_2^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 -$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,1,1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,1,0,-2,0,-2,0,0,0}^r(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2 -$$

$$4x_2x_3x_4y_3y_4 - x_2x_4^2y_3^2 + x_2y_3^2y_4^2 + 2x_3^2x_4y_2y_4 + 2x_3x_4^2y_2y_3 - 2x_3y_2y_3y_4^2 -$$

$$2x_4y_2y_3^2y_4) + y_1(2x_2x_3^2x_4y_4 + 2x_2x_3x_4^2y_3 - 2x_2x_3y_3y_4^2 - 2x_2x_4y_3^2y_4 - x_3^2x_4^2y_2 +$$

$$x_3^2y_2y_4^2 + 4x_3x_4y_2y_3y_4 + x_4^2y_2y_3^2 - y_2y_3^2y_4^2)) + a_{1,0,1,0,-2,0,0,0,2,0}^r(x_1(x_2x_3^2x_5^2 -$$

$$x_2x_3^2y_5^2 + 4x_2x_3x_5y_3y_5 - x_2x_5^2y_3^2 + x_2y_3^2y_5^2 - 2x_3^2x_5y_2y_5 + 2x_3x_5^2y_2y_3 -$$

$$2x_3y_2y_3y_5^2 + 2x_5y_2y_3^2y_5) + y_1(-2x_2x_3^2x_5y_5 + 2x_2x_3x_5^2y_3 - 2x_2x_3y_3y_5^2 +$$

$$2x_2x_5y_3^2y_5 - x_3^2x_5^2y_2 + x_3^2y_2y_5^2 - 4x_3x_5y_2y_3y_5 + x_5^2y_2y_3^2 - y_2y_3^2y_5^2)) +$$

$$a^r_{1,0,1,0,-4,0,0,0,0,0}(x_1(x_2x_3^4 - 6x_2x_3^2y_3^2 + x_2y_3^4 + 4x_3^3y_2y_3 - 4x_3y_2y_3^3) + y_1(4x_2x_3^3y_3 -$$

$$4x_2x_3y_3^3 - x_3^4y_2 + 6x_3^2y_2y_3^2 - y_2y_3^4)) + a^r_{1,0,1,0,0,0,-2,0,2,0}(x_1(x_2x_4^2x_5^2 - x_2x_4^2y_5^2 +$$

$$4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 - 2x_4^2x_5y_2y_5 + 2x_4x_5^2y_2y_4 - 2x_4y_2y_4y_5^2 +$$

$$2x_5y_2y_4^2y_5) + y_1(-2x_2x_4^2x_5y_5 + 2x_2x_4x_5^2y_4 - 2x_2x_4y_4y_5^2 + 2x_2x_5y_4^2y_5 - x_4^2x_5^2y_2 +$$

$$x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 + x_5^2y_2y_4^2 - y_2y_4^2y_5^2)) + a^r_{1,0,1,0,0,0,-4,0,0,0}(x_1(x_2x_4^4 -$$

$$6x_2x_4^2y_4^2 + x_2y_4^4 + 4x_4^3y_2y_4 - 4x_4y_2y_4^3) + y_1(4x_2x_4^3y_4 - 4x_2x_4y_4^3 - x_4^4y_2 +$$

$$6x_4^2y_2y_4^2 - y_2y_4^4)) + a^r_{1,0,1,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(2x_2x_5y_5 -$$

$$x_5^2y_2 + y_2y_5^2)) + a^r_{1,0,1,0,0,0,0,0,4,0}(x_1(x_2x_5^4 - 6x_2x_5^2y_5^2 + x_2y_5^4 - 4x_5^3y_2y_5 + 4x_5y_2y_5^3) +$$

$$y_1(-4x_2x_5^3y_5 + 4x_2x_5y_5^3 - x_5^4y_2 + 6x_5^2y_2y_5^2 - y_2y_5^4)) + a^r_{1,0,1,0,0,0,0,1,-2,0}(x_4^2 +$$

$$y_4^2)(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,0,1,0,0,0,2,0,0,1}(x_5^2 +$$

$$y_5^2)(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a^r_{1,0,1,0,0,0,2,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a^r_{1,0,1,0,0,1,0,0,-2,0}(x_3^2 +$$

$$y_3^2)(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,0,1,0,0,1,2,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a^r_{1,0,1,0,2,0,0,0,0,1}(x_5^2 +$$

$$y_5^2)(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a^r_{1,0,1,0,2,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a^r_{1,0,1,0,2,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a^r_{1,0,1,1,0,0,0,0,-2,0}(x_2^2 +$$

$$y_2^2)(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,0,1,1,0,0,2,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a^r_{1,0,1,1,2,0,0,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) +$$

$$a^r_{1,0,2,0,-1,0,-1,0,1,0}(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4 - 2x_2x_3x_4y_2y_5 +$$

$$2x_2x_3x_5y_2y_4 + 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 - x_3y_2^2y_4y_5 - x_4y_2^2y_3y_5 +$$

$$x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 + x_2^2y_3y_4y_5 - 2x_2x_3x_4x_5y_2 -$$

$$2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5 - x_3x_5y_2^2y_4 - x_4x_5y_2^2y_3 -$$

$$y_2^2y_3y_4y_5)) + a^r_{1,0,2,0,1,0,1,0,-1,0}(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4 +$$

$$2x_2x_3x_4y_2y_5 - 2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 - 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 - x_3y_2^2y_4y_5 -$$

$$x_4y_2^2y_3y_5 + x_5y_2^2y_3y_4) + y_1(x_2^2x_3x_4y_5 - x_2^2x_3x_5y_4 - x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5 -$$

$$2x_2x_3x_4x_5y_2 - 2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 - x_3x_4y_2^2y_5 + x_3x_5y_2^2y_4 +$$

$$x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a^r_{1,0,3,0,-2,0,0,0,0,0}(x_1(x_2^3x_3^2 - x_2^3y_3^2 + 6x_2^2x_3y_2y_3 -$$

$$3x_2x_3^2y_2^2 + 3x_2y_2^2y_3^2 - 2x_3y_2^3y_3) + y_1(2x_2^3x_3y_3 - 3x_2^2x_3^2y_2 + 3x_2^2y_2y_3^2 -$$

$$6x_2x_3y_2^2y_3 + x_3^2y_2^3 - y_2^3y_3^2)) + a^r_{1,0,3,0,0,0,-2,0,0,0}(x_1(x_2^3x_4^2 - x_2^3y_4^2 + 6x_2^2x_4y_2y_4 -$$

$$3x_2x_4^2y_2^2 + 3x_2y_2^2y_4^2 - 2x_4y_2^3y_4) + y_1(2x_2^3x_4y_4 - 3x_2^2x_4^2y_2 + 3x_2^2y_2y_4^2 -$$

$$6x_2x_4y_2^2y_4 + x_4^2y_2^3 - y_2^3y_4^2)) + a^r_{1,0,3,0,0,0,0,0,2,0}(x_1(x_2^3x_5^2 - x_2^3y_5^2 - 6x_2^2x_5y_2y_5 -$$

$$3x_2x_5^2y_2^2 + 3x_2y_2^2y_5^2 + 2x_5y_2^3y_5) + y_1(-2x_2^3x_5y_5 - 3x_2^2x_5^2y_2 + 3x_2^2y_2y_5^2 +$$

$$6x_2x_5y_2^2y_5 + x_5^2y_2^3 - y_2^3y_5^2)) + a^r_{1,0,5,0,0,0,0,0,0,0}(x_1(x_2^5 - 10x_2^3y_2^2 + 5x_2y_2^4) + y_1(-$$

$$5x_2^4y_2 + 10x_2^2y_2^3 - y_2^5)) + a^r_{1,1,-1,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1x_2 + y_1y_2) +$$

$$a^r_{1,1,-1,0,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a^r_{1,1,-1,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_1x_2 +$$

$$y_1y_2) + a^r_{1,1,-1,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1x_2 + y_1y_2) + a^r_{1,1,0,0,-1,0,1,0,-1,0}(x_1^2 +$$

$$y_1^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$$

$$a^r_{1,1,0,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 -$$

$$x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,1,0,0,1,0,1,0,1,0}(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,1,1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1(x_2x_5^2 - x_2y_5^2 +$$

$$2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,1,1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1(x_2x_4^2 - x_2y_4^2 -$$

$$2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a^r_{1,1,1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2x_3^2 - x_2y_3^2 -$$

$$2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a^r_{1,2,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_1x_2 + y_1y_2) +$$

$$a^r_{2,0,-1,0,-1,0,1,0,-1,0}(x_1(2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 +$$

$$2x_3x_4x_5y_1y_2 + 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 +$$

$$x_1^2x_3y_4y_5 - x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 -$$

$$x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 - x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 -$$

$$x_3x_5y_1^2y_4 + x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a^r_{2,0,-1,0,1,0,-1,0,-1,0}(x_1(2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4 -$$

$$2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 + 2x_4y_1y_2y_3y_5 +$$

$$2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 +$$

$$x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 - x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 - x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 -$$

$$x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 + x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a^r_{2,0,-1,0,1,0,1,0,1,0}(x_1(-$$

$$2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 -$$

$$2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 - 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5 -$$

$$x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 + x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 + x_5y_1^2y_3y_4) +$$

$$y_2(x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 - x_3x_4y_1^2y_5 - x_3x_5y_1^2y_4 -$$

$$x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a^r_{2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-$$

$$x_2 + y_2)) + a^r_{2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) +$$

$$a^r_{2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,-2,1,0,0,0,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,0,0,-2,0,-2,0,0,0}(x_1(x_3x_4 - x_3y_4 - x_4y_3 -$$

$$y_3y_4) + y_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + y_1(-x_3x_4 + x_3y_4 + x_4y_3 +$$

$$y_3y_4)) + a^r_{2,0,0,0,-2,0,0,0,2,0}(x_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) + y_1(-x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_1(x_3x_5 +$$

$$x_3y_5 - x_5y_3 + y_3y_5) + y_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)) + a^r_{2,0,0,0,-4,0,0,0,0,0}(x_1(x_3^2 - 2x_3y_3 - y_3^2) +$$

$$y_1(x_3^2 + 2x_3y_3 - y_3^2))(x_1(x_3^2 + 2x_3y_3 - y_3^2) + y_1(-x_3^2 + 2x_3y_3 + y_3^2)) + a^r_{2,0,0,0,0,0,-2,0,2,0}(x_1(x_4x_5 -$$

$$x_4y_5 + x_5y_4 + y_4y_5) + y_1(-x_4x_5 - x_4y_5 + x_5y_4 - y_4y_5))(x_1(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_1(x_4x_5 -$$

$$x_4y_5 + x_5y_4 + y_4y_5)) + a^r_{2,0,0,0,0,0,-4,0,0,0}(x_1(x_4^2 - 2x_4y_4 - y_4^2) + y_1(x_4^2 + 2x_4y_4 - y_4^2))(x_1(x_4^2 +$$

$$2x_4y_4 - y_4^2) + y_1(-x_4^2 + 2x_4y_4 + y_4^2)) + a^r_{2,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 +$$

$$y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,0,0,0,4,0}(x_1(x_5^2 - 2x_5y_5 - y_5^2) + y_1(-x_5^2 - 2x_5y_5 + y_5^2))(x_1(x_5^2 + 2x_5y_5 -$$

$$y_5^2) + y_1(x_5^2 - 2x_5y_5 - y_5^2)) + a^r_{2,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-$$

$$x_5 + y_5)) + a^r_{2,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) +$$

$$a^r_{2,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,0,1,0,0,-2,0}(x_3^2 +$$

$$y_3^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1(x_4 - y_4) + y_1(-$$

$$x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) +$$

$$y_1(x_3 - y_3)) + a^r_{2,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a^r_{2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a^r_{2,0,0,1,0,0,0,0,-2,0}(x_2^2 +$$

$$y_2^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1(x_4 - y_4) + y_1(-$$

$$x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) +$$

$$y_1(x_3 - y_3)) + a^r_{2,0,1,0,-1,0,-1,0,1,0}(x_1(-2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 +$$

$$2x_2y_1y_3y_4y_5 - 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) +$$

$$x_2(x_1^2x_3x_4x_5 + x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 -$$

$$x_4 y_1^2 y_3 y_5 + x_5 y_1^2 y_3 y_4) + y_2(-x_1^2 x_3 x_4 y_5 + x_1^2 x_3 x_5 y_4 + x_1^2 x_4 x_5 y_3 + x_1^2 y_3 y_4 y_5 +$$

$$x_3 x_4 y_1^2 y_5 - x_3 x_5 y_1^2 y_4 - x_4 x_5 y_1^2 y_3 - y_1^2 y_3 y_4 y_5)) + a_{2,0,1,0,1,0,1,0,-1,0}^r(x_1(2x_2 x_3 x_4 y_1 y_5 -$$

$$2x_2 x_3 x_5 y_1 y_4 - 2x_2 x_4 x_5 y_1 y_3 - 2x_2 y_1 y_3 y_4 y_5 - 2x_3 x_4 x_5 y_1 y_2 - 2x_3 y_1 y_2 y_4 y_5 -$$

$$2x_4 y_1 y_2 y_3 y_5 + 2x_5 y_1 y_2 y_3 y_4) + x_2(x_1^2 x_3 x_4 x_5 + x_1^2 x_3 y_4 y_5 + x_1^2 x_4 y_3 y_5 - x_1^2 x_5 y_3 y_4 -$$

$$x_3 x_4 x_5 y_1^2 - x_3 y_1^2 y_4 y_5 - x_4 y_1^2 y_3 y_5 + x_5 y_1^2 y_3 y_4) + y_2(x_1^2 x_3 x_4 y_5 - x_1^2 x_3 x_5 y_4 -$$

$$x_1^2 x_4 x_5 y_3 - x_1^2 y_3 y_4 y_5 - x_3 x_4 y_1^2 y_5 + x_3 x_5 y_1^2 y_4 + x_4 x_5 y_1^2 y_3 + y_1^2 y_3 y_4 y_5)) +$$

$$a_{2,0,2,0,-2,0,0,0,0,0}^r(x_1(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3) + y_1(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3))(x_1(x_2 x_3 + x_2 y_3 -$$

$$x_3 y_2 + y_2 y_3) + y_1(-x_2 x_3 + x_2 y_3 - x_3 y_2 - y_2 y_3)) + a_{2,0,2,0,0,0,-2,0,0,0}^r(x_1(x_2 x_4 - x_2 y_4 + x_4 y_2 + y_2 y_4) +$$

$$y_1(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4))(x_1(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4) + y_1(-x_2 x_4 + x_2 y_4 - x_4 y_2 - y_2 y_4)) +$$

$$a_{2,0,2,0,0,0,0,0,2,0}^r(x_1(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5) + y_1(-x_2 x_5 - x_2 y_5 - x_5 y_2 + y_2 y_5))(x_1(x_2 x_5 + x_2 y_5 +$$

$$x_5 y_2 - y_2 y_5) + y_1(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5)) + a_{2,0,4,0,0,0,0,0,0,0}^r(x_1(x_2^2 - 2x_2 y_2 - y_2^2) + y_1(-x_2^2 -$$

$$2x_2 y_2 + y_2^2))(x_1(x_2^2 + 2x_2 y_2 - y_2^2) + y_1(x_2^2 - 2x_2 y_2 - y_2^2)) + a_{2,1,-2,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_2 -$$

$$y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a_{2,1,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_1(x_5 - y_5) + y_1(x_5 +$$

$$y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a_{2,1,0,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) +$$

$$y_1(x_4 - y_4)) + a_{2,1,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a_{3,0,-1,0,0,0,0,0,-2,0}^r(x_1(-3x_2 x_5^2 y_1^2 + 3x_2 y_1^2 y_5^2 + 6x_5 y_1^2 y_2 y_5) + x_2(x_1^3 x_5^2 - x_1^3 y_5^2 -$$

$$2x_5 y_1^3 y_5) + y_1(6x_1^2 x_2 x_5 y_5 + 3x_1^2 x_5^2 y_2 - 3x_1^2 y_2 y_5^2) + y_2(-2x_1^3 x_5 y_5 - x_5^2 y_1^3 +$$

$$y_1^3 y_5^2)) + a_{3,0,-1,0,0,0,0,2,0,0,0}^r(x_1(-3x_2 x_4^2 y_1^2 + 3x_2 y_1^2 y_4^2 - 6x_4 y_1^2 y_2 y_4) + x_2(x_1^3 x_4^2 -$$

$$x_1^3 y_4^2 + 2x_4 y_1^3 y_4) + y_1(-6x_1^2 x_2 x_4 y_4 + 3x_1^2 x_4^2 y_2 - 3x_1^2 y_2 y_4^2) + y_2(2x_1^3 x_4 y_4 -$$

$$x_4^2 y_1^3 + y_1^3 y_4^2)) + a_{3,0,-1,0,2,0,0,0,0,0}^r(x_1(-3x_2 x_3^2 y_1^2 + 3x_2 y_1^2 y_3^2 - 6x_3 y_1^2 y_2 y_3) +$$

$$x_2(x_1^3 x_3^2 - x_1^3 y_3^2 + 2x_3 y_1^3 y_3) + y_1(-6x_1^2 x_2 x_3 y_3 + 3x_1^2 x_3^2 y_2 - 3x_1^2 y_2 y_3^2) +$$

$$y_2(2x_1^3 x_3 y_3 - x_3^2 y_1^3 + y_1^3 y_3^2)) + a_{3,0,-3,0,0,0,0,0,0,0}^r(x_1 x_2 + y_1 y_2)(x_1^2 x_2^2 - 3x_1^2 y_2^2 +$$

$$8x_1 x_2 y_1 y_2 - 3x_2^2 y_1^2 + y_1^2 y_2^2) + a_{3,0,0,0,-1,0,-1,0,1,0}^r(x_1(-3x_3 x_4 x_5 y_1^2 - 3x_3 y_1^2 y_4 y_5 -$$

$$3x_4 y_1^2 y_3 y_5 + 3x_5 y_1^2 y_3 y_4) + x_3(x_1^3 x_4 x_5 + x_1^3 y_4 y_5 + x_4 y_1^3 y_5 - x_5 y_1^3 y_4) + y_1(-$$

$$3x_1^2 x_3 x_4 y_5 + 3x_1^2 x_3 x_5 y_4 + 3x_1^2 x_4 x_5 y_3 + 3x_1^2 y_3 y_4 y_5) + y_3(x_1^3 x_4 y_5 - x_1^3 x_5 y_4 -$$

$$x_4 x_5 y_1^3 - y_1^3 y_4 y_5)) + a_{3,0,0,0,1,0,1,0,-1,0}^r(x_1(-3x_3 x_4 x_5 y_1^2 - 3x_3 y_1^2 y_4 y_5 - 3x_4 y_1^2 y_3 y_5 +$$

$$3x_5 y_1^2 y_3 y_4) + x_3(x_1^3 x_4 x_5 + x_1^3 y_4 y_5 - x_4 y_1^3 y_5 + x_5 y_1^3 y_4) + y_1(3x_1^2 x_3 x_4 y_5 -$$

$$3x_1^2 x_3 x_5 y_4 - 3x_1^2 x_4 x_5 y_3 - 3x_1^2 y_3 y_4 y_5) + y_3(x_1^3 x_4 y_5 - x_1^3 x_5 y_4 + x_4 x_5 y_1^3 +$$

$$y_1^3 y_4 y_5)) + a_{3,0,1,0,-2,0,0,0,0,0}^r(x_1(-3x_2 x_3^2 y_1^2 + 3x_2 y_1^2 y_3^2 - 6x_3 y_1^2 y_2 y_3) + x_2(x_1^3 x_3^2 -$$

$$x_1^3 y_3^2 - 2x_3 y_1^3 y_3) + y_1(6x_1^2 x_2 x_3 y_3 - 3x_1^2 x_3^2 y_2 + 3x_1^2 y_2 y_3^2) + y_2(2x_1^3 x_3 y_3 +$$

$$x_3^3 y_1^3 - y_1^3 y_3^2)) + a_{3,0,1,0,0,0,-2,0,0,0}^r(x_1(-3x_2 x_4^2 y_1^2 + 3x_2 y_1^2 y_4^2 - 6x_4 y_1^2 y_2 y_4) +$$

$$x_2(x_1^3 x_4^2 - x_1^3 y_4^2 - 2x_4 y_1^3 y_4) + y_1(6x_1^2 x_2 x_4 y_4 - 3x_1^2 x_4^2 y_2 + 3x_1^2 y_2 y_4^2) +$$

$$y_2(2x_1^3 x_4 y_4 + x_4^2 y_1^3 - y_1^3 y_4^2)) + a_{3,0,1,0,0,0,0,0,2,0}^r(x_1(-3x_2 x_5^2 y_1^2 + 3x_2 y_1^2 y_5^2 +$$

$$6x_5 y_1^2 y_2 y_5) + x_2(x_1^3 x_5^2 - x_1^3 y_5^2 + 2x_5 y_1^3 y_5) + y_1(-6x_1^2 x_2 x_5 y_5 - 3x_1^2 x_5^2 y_2 +$$

$$3x_1^2 y_2 y_5^2) + y_2(-2x_1^3 x_5 y_5 + x_5^2 y_1^3 - y_1^3 y_5^2)) + a_{3,0,3,0,0,0,0,0,0,0}^r(x_1 x_2 - y_1 y_2)(x_1^2 x_2^2 -$$

$$3x_1^2 y_2^2 - 8x_1 x_2 y_1 y_2 - 3x_2^2 y_1^2 + y_1^2 y_2^2) + a_{4,0,0,0,-2,0,0,0,0,0}^r(x_1(-2x_3 y_1 + 2y_1 y_3) + x_3(x_1^2 -$$

$$y_1^2) + y_3(x_1^2 - y_1^2))(x_1(2x_3 y_1 + 2y_1 y_3) + x_3(x_1^2 - y_1^2) + y_3(-x_1^2 + y_1^2)) + a_{4,0,0,0,0,0,-2,0,0,0}^r(x_1(-$$

$$2x_4 y_1 + 2y_1 y_4) + x_4(x_1^2 - y_1^2) + y_4(x_1^2 - y_1^2))(x_1(2x_4 y_1 + 2y_1 y_4) + x_4(x_1^2 - y_1^2) + y_4(-x_1^2 +$$

$$y_1^2)) + a_{4,0,0,0,0,0,0,0,2,0}^r(x_1(-2x_5 y_1 - 2y_1 y_5) + x_5(x_1^2 - y_1^2) + y_5(-x_1^2 + y_1^2))(x_1(2x_5 y_1 - 2y_1 y_5) +$$

$$x_5(x_1^2 - y_1^2) + y_5(x_1^2 - y_1^2)) + a_{4,0,2,0,0,0,0,0,0,0}^r(x_1(-2x_2 y_1 - 2y_1 y_2) + x_2(x_1^2 - y_1^2) + y_2(-x_1^2 +$$

$$y_1^2))(x_1(2x_2 y_1 - 2y_1 y_2) + x_2(x_1^2 - y_1^2) + y_2(x_1^2 - y_1^2)) + a_{5,0,1,0,0,0,0,0,0,0}^r(-5x_1^4 y_1 y_2 +$$

$$5x_1 x_2 y_1^4 + x_2(x_1^5 - 10x_1^3 y_1^2) + y_2(10x_1^2 y_1^3 - y_1^5)) + a_{6,0,0,0,0,0,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 -$$

$$4x_1y_1 + y_1^2)(x_1^2 + 4x_1y_1 + y_1^2)$$

$$
\begin{aligned}
H_{+-}^{(6)} =\ & b_{-1,0,-1,0,-2,0,-2,0,0,0}^r(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 + \\
& x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 - x_3^2x_4^2y_1y_2 + \\
& x_3^2y_1y_2y_4^2 + 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 - y_1y_2y_3^2y_4^2) - \\
& ib_{-1,0,-1,0,-2,0,-2,0,0,0}^r(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 + \\
& x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2 + \\
& x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2 - \\
& 2x_3^2x_4y_1y_2y_4 - 2x_3x_4^2y_1y_2y_3 + 2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4) + \\
& b_{-1,0,-1,0,-2,0,0,0,2,0}^r(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + \\
& x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 + \\
& 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2 + \\
& x_3^2y_1y_2y_5^2 - 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) + \\
& ib_{-1,0,-1,0,-2,0,0,0,2,0}^r(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 - \\
& x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5 + x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2 - \\
& x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5 + x_2x_5^2y_1y_3^2 - x_2y_1y_3^2y_5^2 - \\
& 2x_3^2x_5y_1y_2y_5 + 2x_3x_5^2y_1y_2y_3 - 2x_3y_1y_2y_3y_5^2 + 2x_5y_1y_2y_3^2y_5) + \\
& b_{-1,0,-1,0,-4,0,0,0,0,0}^r(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 - \\
& 4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 - x_3^4y_1y_2 + 6x_3^2y_1y_2y_3^2 - y_1y_2y_3^4) - \\
& ib_{-1,0,-1,0,-4,0,0,0,0,0}^r(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 + x_1x_3^4y_2 - 6x_1x_3^2y_2y_3^2 + x_1y_2y_3^4 + \\
& x_2x_3^4y_1 - 6x_2x_3^2y_1y_3^2 + x_2y_1y_3^4 - 4x_3^3y_1y_2y_3 + 4x_3y_1y_2y_3^3) + \\
& b_{-1,0,-1,0,0,0,-2,0,2,0}^r(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + \\
& x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 + \\
& 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2 + \\
& x_4^2y_1y_2y_5^2 - 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) + \\
& ib_{-1,0,-1,0,0,0,-2,0,2,0}^r(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4 + 2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 - \\
& x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 - 4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 - x_1y_2y_4^2y_5^2 - \\
& x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5 + x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2 - \\
& 2x_4^2x_5y_1y_2y_5 + 2x_4x_5^2y_1y_2y_4 - 2x_4y_1y_2y_4y_5^2 + 2x_5y_1y_2y_4^2y_5) + \\
& b_{-1,0,-1,0,0,0,-4,0,0,0}^r(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4 + 4x_1x_4y_2y_4^3 - \\
& 4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 - x_4^4y_1y_2 + 6x_4^2y_1y_2y_4^2 - y_1y_2y_4^4) - \\
& ib_{-1,0,-1,0,0,0,-4,0,0,0}^r(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 + x_1x_4^4y_2 - 6x_1x_4^2y_2y_4^2 + x_1y_2y_4^4 + \\
& x_2x_4^4y_1 - 6x_2x_4^2y_1y_4^2 + x_2y_1y_4^4 - 4x_4^3y_1y_2y_4 + 4x_4y_1y_2y_4^3) + b_{-1,0,-1,0,0,0,0,0,-2,1}^r(x_5^2 + \\
& y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) - \\
& ib_{-1,0,-1,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 - \\
& 2x_5y_1y_2y_5) + b_{-1,0,-1,0,0,0,0,0,4,0}^r(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4 + 4x_1x_5^3y_2y_5 - \\
& 4x_1x_5y_2y_5^3 + 4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 - x_5^4y_1y_2 + 6x_5^2y_1y_2y_5^2 - y_1y_2y_5^4) + \\
& ib_{-1,0,-1,0,0,0,0,0,4,0}^r(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 - x_1x_5^4y_2 + 6x_1x_5^2y_2y_5^2 - x_1y_2y_5^4 - \\
& x_2x_5^4y_1 + 6x_2x_5^2y_1y_5^2 - x_2y_1y_5^4 - 4x_5^3y_1y_2y_5 + 4x_5y_1y_2y_5^3) + b_{-1,0,-1,0,0,0,0,0,1,-2,0}^r(x_4^2 + \\
& y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) - \\
& ib_{-1,0,-1,0,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 -
\end{aligned}
$$

$$2x_5y_1y_2y_5) + b^r_{-1,0,-1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 -$$
$$x_4^2y_1y_2 + y_1y_2y_4^2) + ib^r_{-1,0,-1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 -$$
$$x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 +$$
$$2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) + ib^r_{-1,0,-1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_4y_4 -$$
$$x_1x_4^2y_2 + x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,0,1,0,0,-2,0}(x_3^2 +$$
$$y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) -$$
$$ib^r_{-1,0,-1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 -$$
$$2x_5y_1y_2y_5) + b^r_{-1,0,-1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 -$$
$$x_4^2y_1y_2 + y_1y_2y_4^2) + ib^r_{-1,0,-1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 -$$
$$x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$
$$2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) + ib^r_{-1,0,-1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3 -$$
$$x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-1,0,2,0,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) +$$
$$ib^r_{-1,0,-1,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 -$$
$$2x_3y_1y_2y_3) + b^r_{-1,0,-1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 -$$
$$x_3^2y_1y_2 + y_1y_2y_3^2) + ib^r_{-1,0,-1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 -$$
$$x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 -$$
$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) - ib^r_{-1,0,-1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 +$$
$$x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 - 2x_5y_1y_2y_5) + b^r_{-1,0,-1,1,0,0,2,0,0,0}(x_2^2 +$$
$$y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) +$$
$$ib^r_{-1,0,-1,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 -$$
$$2x_4y_1y_2y_4) + b^r_{-1,0,-1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 -$$
$$x_3^2y_1y_2 + y_1y_2y_3^2) + ib^r_{-1,0,-1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 -$$
$$x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 -$$
$$x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4x_5y_2y_5 + 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 -$$
$$2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 -$$
$$x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 -$$
$$2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 +$$
$$x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) - ib^r_{-1,0,-2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 +$$
$$x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 +$$
$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 +$$
$$x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 +$$
$$2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 +$$
$$x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b^r_{-1,0,-2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 +$$
$$x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 -$$
$$2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 -$$
$$x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 +$$
$$2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 -$$
$$x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) - ib^r_{-1,0,-2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 -$$
$$x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 +$$
$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 +$$
$$x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 -$$

$$2x_2x_3x_5y_1y_2y_4 + 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 -$$

$$x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b_{-1,0,-2,0,1,0,1,0,1,0}^r(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 -$$

$$x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 -$$

$$2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 +$$

$$x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 +$$

$$2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 + 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 -$$

$$x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) + ib_{-1,0,-2,0,1,0,1,0,1,0}^r(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 +$$

$$x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 +$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 -$$

$$x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 -$$

$$2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 -$$

$$x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b_{-1,0,-3,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2^3 - 3x_1x_2y_2^2 - 3x_2^2y_1y_2 +$$

$$y_1y_2^3) - ib_{-1,0,-3,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) +$$

$$b_{-1,0,-3,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2^3 - 3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) - ib_{-1,0,-3,0,0,0,0,1,0,0}^r(x_4^2 +$$

$$y_4^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) + b_{-1,0,-3,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2^3 -$$

$$3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) - ib_{-1,0,-3,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 -$$

$$3x_2y_1y_2^2) + b_{-1,0,-3,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_2^3 - 3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) -$$

$$ib_{-1,0,-3,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) + b_{-1,0,0,0,0,-1,0,-1,0,1,1}^r(x_5^2 +$$

$$y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 -$$

$$y_1y_3y_4y_5) + ib_{-1,0,0,0,0,-1,0,-1,0,1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 -$$

$$x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{-1,0,0,0,0,-1,0,-1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 +$$

$$x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) +$$

$$ib_{-1,0,0,0,0,-1,0,-1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 -$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{-1,0,0,0,0,-1,0,-3,0,-1,0}^r(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 -$$

$$3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 - 3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 +$$

$$x_1x_5y_3y_4^3 - x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 + 3x_3x_4y_1y_4^2y_5 + x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 +$$

$$3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5) - ib_{-1,0,0,0,0,-1,0,-3,0,-1,0}^r(x_1x_3x_4^3y_5 +$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 +$$

$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) +$$

$$b_{-1,0,0,0,0,-1,0,1,0,-3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 -$$

$$3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 +$$

$$x_3x_4y_1y_5^3 + x_3x_5^3y_1y_4 - 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 -$$

$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) - ib_{-1,0,0,0,0,-1,0,1,0,-3,0}^r(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 -$$

$$x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 -$$

$$x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 + 3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 -$$

$$3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 - 3x_5y_1y_3y_4y_5^2) + b_{-1,0,0,0,0,-1,0,1,0,3,0}^r(x_1x_3x_4x_5^3 -$$

$$3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 + 3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 +$$

$$x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 + x_3x_5^3y_1y_4 -$$

$$3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) +$$

$$ib_{-1,0,0,0,0,-1,0,1,0,3,0}^r(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 -$$

$$x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1 +$$

$$3x_3x_4x_5y_1y_5^2 + 3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 -$$

$$x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 -$$

$$3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 + 3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 -$$

$$x_1x_5y_3y_4^3 - x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 + 3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 -$$

$$3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 + y_1y_3y_4^3y_5) - ib^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1x_3x_4^3y_5 -$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^3y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 -$$

$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) +$$

$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 -$$

$$x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) + ib^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 -$$

$$x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 - 3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 -$$

$$3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5 + x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 -$$

$$3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 + 3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 -$$

$$y_1y_3^3y_4y_5) - ib^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3 -$$

$$3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5 +$$

$$x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 - 3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 - 3x_3x_4x_5y_1y_3^2 +$$

$$3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 + x_5y_1y_3^3y_4) + b^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 +$$

$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 -$$

$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 + x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 -$$

$$3x_3x_4y_1y_3^2y_5 - 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 - y_1y_3^3y_4y_5) +$$

$$ib^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 -$$

$$3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 + x_3^3y_1y_4y_5 -$$

$$3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 - 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 +$$

$$x_5y_1y_3^3y_4) + b^r_{-1,0,0,0,1,0,-1,0,-3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 +$$

$$3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 +$$

$$x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 + x_4x_5^3y_1y_3 - 3x_4x_5y_1y_3y_5^2 -$$

$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) - ib^r_{-1,0,0,0,1,0,-1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 +$$

$$x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 -$$

$$x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 +$$

$$3x_4x_5^2y_1y_3y_5 - x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 - 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,1,0,-1,0,3,0}(x_1x_3x_4x_5^3 -$$

$$3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 +$$

$$x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 +$$

$$3x_3x_5y_1y_4y_5^2 + x_4x_5^3y_1y_3 - 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) +$$

$$ib^r_{-1,0,0,0,1,0,-1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 +$$

$$x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1 +$$

$$3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 + 3x_4x_5^2y_1y_3y_5 - x_4y_1y_3y_5^3 -$$

$$x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 -$$

$$3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 + 3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 -$$

$$x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 - 3x_3x_4y_1y_4^2y_5 + x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 +$$

$$3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5) + ib^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1x_3x_4^3y_5 -$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2+$$

$$x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 - 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3)+$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5+$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) - ib^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4-$$

$$x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4)+$$

$$b^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5+$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) - ib^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4-$$

$$x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4)+$$

$$b^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5-$$

$$3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4-$$

$$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2+$$

$$y_1y_3y_4^3y_5) + ib^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5-$$

$$x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 - 3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1+$$

$$3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4-$$

$$3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) + b^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5)-$$

$$ib^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) + b^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5+$$

$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5-$$

$$x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5+$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5)-$$

$$ib^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5-$$

$$3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 + x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5+$$

$$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 - 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5-$$

$$x_5y_1y_3^3y_4) + b^r_{-1,0,0,0,3,0,1,0,1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 - 3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4-$$

$$3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5 + x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 + x_3^3x_5y_1y_4+$$

$$3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 - 3x_3x_4y_1y_3^2y_5 - 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3+$$

$$y_1y_3^3y_4y_5) + ib^r_{-1,0,0,0,3,0,1,0,1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3-$$

$$3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5-$$

$$x_3^3x_4x_5y_1 + x_3^3y_1y_4y_5 + 3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2-$$

$$3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5 - x_5y_1y_3^3y_4) + b^r_{-1,0,0,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5+$$

$$x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$ib^r_{-1,0,0,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1-$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{-1,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5)-$$

$$ib^r_{-1,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) + b^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2+$$

$$2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - ib^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3-$$

$$x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2)-$$

$$ib^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2+$$

$$2x_3y_1y_2y_3) + b^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3+$$

$$x_3^2y_1y_2 - y_1y_2y_3^2) - ib^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 +$$

$$x_2x_3^2y_1 - x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 +$$

$$2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) - ib^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_4y_4 -$$

$$x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{-1,0,1,0,0,0,0,-2,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) -$$

$$ib^r_{-1,0,1,0,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 +$$

$$2x_4y_1y_2y_4) + b^r_{-1,0,1,0,0,0,0,0,0,-4,0}(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4 + 4x_1x_5^3y_2y_5 -$$

$$4x_1x_5y_2y_5^3 - 4x_2x_5^3y_1y_5 + 4x_2x_5y_1y_5^3 + x_5^4y_1y_2 - 6x_5^2y_1y_2y_5^2 + y_1y_2y_5^4) -$$

$$ib^r_{-1,0,1,0,0,0,0,0,0,-4,0}(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 - x_1x_5^4y_2 + 6x_1x_5^2y_2y_5^2 - x_1y_2y_5^4 +$$

$$x_2x_5^4y_1 - 6x_2x_5^2y_1y_5^2 + x_2y_1y_5^4 + 4x_5^3y_1y_2y_5 - 4x_5y_1y_2y_5^3) + b^r_{-1,0,1,0,0,0,0,0,0,2,1}(x_5^2 +$$

$$y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) +$$

$$ib^r_{-1,0,1,0,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 - x_2x_5^2y_1 + x_2y_1y_5^2 +$$

$$2x_5y_1y_2y_5) + b^r_{-1,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 +$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) + ib^r_{-1,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 -$$

$$x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,0,1,0,0,0,2,0,-2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 +$$

$$4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 +$$

$$2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 - 2x_2x_4^2x_5y_1y_5 + 2x_2x_4x_5^2y_1y_4 - 2x_2x_4y_1y_4y_5^2 +$$

$$2x_2x_5y_1y_4^2y_5 + x_4^2x_5^2y_1y_2 - x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 - x_5^2y_1y_2y_4^2 +$$

$$y_1y_2y_4^2y_5^2) - ib^r_{-1,0,1,0,0,0,2,0,-2,0}(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4 + 2x_1x_2x_4y_4y_5^2 -$$

$$2x_1x_2x_5y_4^2y_5 - x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 - 4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 -$$

$$x_1y_2y_4^2y_5^2 + x_2x_4^2x_5^2y_1 - x_2x_4^2y_1y_5^2 + 4x_2x_4x_5y_1y_4y_5 - x_2x_5^2y_1y_4^2 +$$

$$x_2y_1y_4^2y_5^2 + 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2 - 2x_5y_1y_2y_4^2y_5) +$$

$$b^r_{-1,0,1,0,0,0,4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4 + 4x_1x_4y_2y_4^3 +$$

$$4x_2x_4^3y_1y_4 - 4x_2x_4y_1y_4^3 + x_4^4y_1y_2 - 6x_4^2y_1y_2y_4^2 + y_1y_2y_4^4) +$$

$$ib^r_{-1,0,1,0,0,0,4,0,0,0}(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 + x_1x_4^4y_2 - 6x_1x_4^2y_2y_4^2 + x_1y_2y_4^4 -$$

$$x_2x_4^4y_1 + 6x_2x_4^2y_1y_4^2 - x_2y_1y_4^4 + 4x_4^3y_1y_2y_4 - 4x_4y_1y_2y_4^3) + b^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) -$$

$$ib^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 +$$

$$2x_4y_1y_2y_4) + b^r_{-1,0,1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 +$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) + ib^r_{-1,0,1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 -$$

$$x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,0,1,0,2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 +$$

$$4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 +$$

$$2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 - 2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 - 2x_2x_3y_1y_3y_5^2 +$$

$$2x_2x_5y_1y_3^2y_5 + x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2 +$$

$$y_1y_2y_3^2y_5^2) - ib^r_{-1,0,1,0,2,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 -$$

$$2x_1x_2x_5y_3^2y_5 - x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5 + x_1x_5^2y_2y_3^2 -$$

$$x_1y_2y_3^2y_5^2 + x_2x_3^2x_5^2y_1 - x_2x_3^2y_1y_5^2 + 4x_2x_3x_5y_1y_3y_5 - x_2x_5^2y_1y_3^2 +$$

$$x_2y_1y_3^2y_5^2 + 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 - 2x_5y_1y_2y_3^2y_5) +$$

$$b^r_{-1,0,1,0,2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$$

$$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 +$$

$$2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 - 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 -$$

$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) +$$

$$ib^r_{-1,0,1,0,2,0,2,0,0,0}(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 +$$
$$x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2 -$$
$$x_2x_3^2x_4^2y_1 + x_2x_3^2y_1y_4^2 + 4x_2x_3x_4y_1y_3y_4 + x_2x_4^2y_1y_3^2 - x_2y_1y_3^2y_4^2 +$$
$$2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 - 2x_4y_1y_2y_3^2y_4) +$$
$$b^r_{-1,0,1,0,4,0,0,0,0,0}(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 +$$
$$4x_2x_3^3y_1y_3 - 4x_2x_3y_1y_3^3 + x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) +$$
$$ib^r_{-1,0,1,0,4,0,0,0,0,0}(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 + x_1x_3^4y_2 - 6x_1x_3^2y_2y_3^2 + x_1y_2y_3^4 -$$
$$x_2x_3^4y_1 + 6x_2x_3^2y_1y_3^2 - x_2y_1y_3^4 + 4x_3^3y_1y_2y_3 - 4x_3y_1y_2y_3^3) + b^r_{-1,0,1,1,-2,0,0,0,0,0}(x_2^2 +$$
$$y_2^2)(x_1x_2x_3^3 - x_1x_2y_3^3 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^3y_1y_2 - y_1y_2y_3^3) -$$
$$ib^r_{-1,0,1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^3y_1 - x_2y_1y_3^2 +$$
$$2x_3y_1y_2y_3) + b^r_{-1,0,1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 +$$
$$x_4^2y_1y_2 - y_1y_2y_4^2) - ib^r_{-1,0,1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 +$$
$$x_2x_4^2y_1 - x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{-1,0,1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 -$$
$$2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + ib^r_{-1,0,1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 +$$
$$x_1x_5^2y_2 - x_1y_2y_5^2 - x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,0,2,0,-1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 -$$
$$x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 +$$
$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 +$$
$$x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 +$$
$$2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 +$$
$$x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) - ib^r_{-1,0,2,0,-1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5 +$$
$$x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 +$$
$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 +$$
$$x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 +$$
$$2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 + 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 +$$
$$x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1x_2^2x_3x_4x_5 -$$
$$x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 +$$
$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 -$$
$$x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 +$$
$$2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 + 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 -$$
$$x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) + ib^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1x_2^2x_3x_4y_5 +$$
$$x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 +$$
$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 -$$
$$x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 +$$
$$2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 -$$
$$x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1x_2^2x_3x_4x_5 +$$
$$x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 -$$
$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 -$$
$$x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 +$$
$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 + 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 +$$
$$x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) + ib^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1x_2^2x_3x_4y_5 -$$
$$x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 -$$
$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 -$$

$$x_1 y_2^2 y_3 y_4 y_5 - x_2^2 x_3 x_4 x_5 y_1 - x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 +$$

$$2 x_2 x_3 x_4 y_1 y_2 y_5 - 2 x_2 x_3 x_5 y_1 y_2 y_4 + 2 x_2 x_4 x_5 y_1 y_2 y_3 + 2 x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 +$$

$$x_3 y_1 y_2^2 y_4 y_5 - x_4 y_1 y_2^2 y_3 y_5 + x_5 y_1 y_2^2 y_3 y_4) + b_{-1,0,3,0,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(x_1 x_2^3 -$$

$$3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 - y_1 y_2^3) + i b_{-1,0,3,0,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 +$$

$$3 x_2 y_1 y_2^2) + b_{-1,0,3,0,0,0,0,1,0,0}^r (x_4^2 + y_4^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 - y_1 y_2^3) +$$

$$i b_{-1,0,3,0,0,0,0,1,0,0}^r (x_4^2 + y_4^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) + b_{-1,0,3,0,0,1,0,0,0,0}^r (x_3^2 +$$

$$y_3^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 - y_1 y_2^3) + i b_{-1,0,3,0,0,1,0,0,0,0}^r (x_3^2 + y_3^2)(3 x_1 x_2^2 y_2 -$$

$$x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) + b_{-1,0,3,1,0,0,0,0,0,0}^r (x_2^2 + y_2^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 -$$

$$y_1 y_2^3) + i b_{-1,0,3,1,0,0,0,0,0,0}^r (x_2^2 + y_2^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) +$$

$$b_{-1,1,-1,0,0,0,0,0,-2,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 - 2 x_1 x_5 y_2 y_5 - 2 x_2 x_5 y_1 y_5 - x_5^2 y_1 y_2 +$$

$$y_1 y_2 y_5^2) - i b_{-1,1,-1,0,0,0,0,0,-2,0}^r (x_1^2 + y_1^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 + x_2 x_5^2 y_1 -$$

$$x_2 y_1 y_5^2 - 2 x_5 y_1 y_2 y_5) + b_{-1,1,-1,0,0,0,2,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 + 2 x_1 x_4 y_2 y_4 +$$

$$2 x_2 x_4 y_1 y_4 - x_4^2 y_1 y_2 + y_1 y_2 y_4^2) + i b_{-1,1,-1,0,0,0,2,0,0,0}^r (x_1^2 + y_1^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 +$$

$$x_1 y_2 y_4^2 - x_2 x_4^2 y_1 + x_2 y_1 y_4^2 - 2 x_4 y_1 y_2 y_4) + b_{-1,1,-1,0,2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_3^2 -$$

$$x_1 x_2 y_3^2 + 2 x_1 x_3 y_2 y_3 + 2 x_2 x_3 y_1 y_3 - x_3^2 y_1 y_2 + y_1 y_2 y_3^2) + i b_{-1,1,-1,0,2,0,0,0,0,0}^r (x_1^2 +$$

$$y_1^2)(2 x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 - 2 x_3 y_1 y_2 y_3) +$$

$$b_{-1,1,-3,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 - 3 x_2^2 y_1 y_2 + y_1 y_2^3) - i b_{-1,1,-3,0,0,0,0,0,0,0}^r (x_1^2 +$$

$$y_1^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 - 3 x_2 y_1 y_2^2) + b_{-1,1,0,0,-1,0,-1,0,1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 +$$

$$x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) +$$

$$i b_{-1,1,0,0,-1,0,-1,0,1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 -$$

$$x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b_{-1,1,0,0,0,1,0,1,0,-1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 +$$

$$x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 - x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 + x_4 x_5 y_1 y_3 + y_1 y_3 y_4 y_5) -$$

$$i b_{-1,1,0,0,1,0,1,0,-1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 +$$

$$x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 - x_5 y_1 y_3 y_4) + b_{-1,1,1,0,-2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 +$$

$$2 x_1 x_3 y_2 y_3 - 2 x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 - y_1 y_2 y_3^2) - i b_{-1,1,1,0,-2,0,0,0,0,0}^r (x_1^2 + y_1^2)(2 x_1 x_2 x_3 y_3 -$$

$$x_1 x_3^2 y_2 + x_1 y_2 y_3^2 + x_2 x_3^2 y_1 - x_2 y_1 y_3^2 + 2 x_3 y_1 y_2 y_3) + b_{-1,1,1,0,0,0,-2,0,0,0}^r (x_1^2 +$$

$$y_1^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 + 2 x_1 x_4 y_2 y_4 - 2 x_2 x_4 y_1 y_4 + x_4^2 y_1 y_2 - y_1 y_2 y_4^2) -$$

$$i b_{-1,1,1,0,0,0,-2,0,0,0}^r (x_1^2 + y_1^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 +$$

$$2 x_4 y_1 y_2 y_4) + b_{-1,1,1,0,0,0,0,0,2,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 - 2 x_1 x_5 y_2 y_5 + 2 x_2 x_5 y_1 y_5 +$$

$$x_5^2 y_1 y_2 - y_1 y_2 y_5^2) + i b_{-1,1,1,0,0,0,0,0,2,0}^r (x_1^2 + y_1^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 -$$

$$x_2 x_5^2 y_1 + x_2 y_1 y_5^2 + 2 x_5 y_1 y_2 y_5) + b_{-1,1,3,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 +$$

$$3 x_2^2 y_1 y_2 - y_1 y_2^3) + i b_{-1,1,3,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) +$$

$$b_{-2,0,-1,0,-1,0,1,0,-1,0}^r (x_1^2 x_2 x_3 x_4 x_5 + x_1^2 x_2 x_3 y_4 y_5 - x_1^2 x_2 x_4 y_3 y_5 + x_1^2 x_2 x_5 y_3 y_4 -$$

$$x_1^2 x_3 x_4 y_2 y_5 + x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 - x_1^2 y_2 y_3 y_4 y_5 - 2 x_1 x_2 x_3 x_4 y_1 y_5 +$$

$$2 x_1 x_2 x_3 x_5 y_1 y_4 - 2 x_1 x_2 x_4 x_5 y_1 y_3 - 2 x_1 x_2 y_1 y_3 y_4 y_5 - 2 x_1 x_3 x_4 x_5 y_1 y_2 -$$

$$2 x_1 x_3 y_1 y_2 y_4 y_5 + 2 x_1 x_4 y_1 y_2 y_3 y_5 - 2 x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 - x_2 x_3 y_1^2 y_4 y_5 +$$

$$x_2 x_4 y_1^2 y_3 y_5 - x_2 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^2 y_2 y_5 - x_3 x_5 y_1^2 y_2 y_4 + x_4 x_5 y_1^2 y_2 y_3 +$$

$$y_1^2 y_2 y_3 y_4 y_5) - i b_{-2,0,-1,0,-1,0,1,0,-1,0}^r (x_1^2 x_2 x_3 x_4 y_5 - x_1^2 x_2 x_3 x_5 y_4 + x_1^2 x_2 x_4 x_5 y_3 +$$

$$x_1^2 x_2 y_3 y_4 y_5 + x_1^2 x_3 x_4 x_5 y_2 + x_1^2 x_3 y_2 y_4 y_5 - x_1^2 x_4 y_2 y_3 y_5 + x_1^2 x_5 y_2 y_3 y_4 +$$

$$2 x_1 x_2 x_3 x_4 x_5 y_1 + 2 x_1 x_2 x_3 y_1 y_4 y_5 - 2 x_1 x_2 x_4 y_1 y_3 y_5 + 2 x_1 x_2 x_5 y_1 y_3 y_4 -$$

$$2 x_1 x_3 x_4 y_1 y_2 y_5 + 2 x_1 x_3 x_5 y_1 y_2 y_4 - 2 x_1 x_4 x_5 y_1 y_2 y_3 - 2 x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 +$$

$$x_2 x_3 x_5 y_1^2 y_4 - x_2 x_4 x_5 y_1^2 y_3 - x_2 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^2 y_2 - x_3 y_1^2 y_2 y_4 y_5 +$$

$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) + b^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2 x_2 x_3 x_4 x_5 - x_1^2 x_2 x_3 y_4 y_5 +$$
$$x_1^2 x_2 x_4 y_3 y_5 + x_1^2 x_2 x_5 y_3 y_4 - x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 + x_1^2 x_4 x_5 y_2 y_3 -$$
$$x_1^2 y_2 y_3 y_4 y_5 - 2x_1 x_2 x_3 x_4 y_1 y_5 - 2x_1 x_2 x_3 x_5 y_1 y_4 + 2x_1 x_2 x_4 x_5 y_1 y_3 - 2x_1 x_2 y_1 y_3 y_4 y_5 -$$
$$2x_1 x_3 x_4 x_5 y_1 y_2 + 2x_1 x_3 y_1 y_2 y_4 y_5 - 2x_1 x_4 y_1 y_2 y_3 y_5 - 2x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 +$$
$$x_2 x_3 y_1^2 y_4 y_5 - x_2 x_4 y_1^2 y_3 y_5 - x_2 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^2 y_2 y_5 + x_3 x_5 y_1^2 y_2 y_4 -$$
$$x_4 x_5 y_1^2 y_2 y_3 + y_1^2 y_2 y_3 y_4 y_5) - i b^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2 x_2 x_3 x_4 y_5 + x_1^2 x_2 x_3 x_5 y_4 -$$
$$x_1^2 x_2 x_4 x_5 y_3 + x_1^2 x_2 y_3 y_4 y_5 + x_1^2 x_3 x_4 x_5 y_2 - x_1^2 x_3 y_2 y_4 y_5 + x_1^2 x_4 y_2 y_3 y_5 +$$
$$x_1^2 x_5 y_2 y_3 y_4 + 2x_1 x_2 x_3 x_4 x_5 y_1 - 2x_1 x_2 x_3 y_1 y_4 y_5 + 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 -$$
$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 + 2x_1 x_4 x_5 y_1 y_2 y_3 - 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 -$$
$$x_2 x_3 x_5 y_1^2 y_4 + x_2 x_4 x_5 y_1^2 y_3 - x_2 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^2 y_2 + x_3 y_1^2 y_2 y_4 y_5 -$$
$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) + b^r_{-2,0,-1,0,1,0,1,0,1,0}(x_1^2 x_2 x_3 x_4 x_5 - x_1^2 x_2 x_3 y_4 y_5 -$$
$$x_1^2 x_2 x_4 y_3 y_5 - x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 + x_1^2 x_3 x_5 y_2 y_4 + x_1^2 x_4 x_5 y_2 y_3 -$$
$$x_1^2 y_2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 y_1 y_5 + 2x_1 x_2 x_3 x_5 y_1 y_4 + 2x_1 x_2 x_4 x_5 y_1 y_3 - 2x_1 x_2 y_1 y_3 y_4 y_5 -$$
$$2x_1 x_3 x_4 x_5 y_1 y_2 + 2x_1 x_3 y_1 y_2 y_4 y_5 + 2x_1 x_4 y_1 y_2 y_3 y_5 + 2x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 +$$
$$x_2 x_3 y_1^2 y_4 y_5 + x_2 x_4 y_1^2 y_3 y_5 + x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 - x_3 x_5 y_1^2 y_2 y_4 -$$
$$x_4 x_5 y_1^2 y_2 y_3 + y_1^2 y_2 y_3 y_4 y_5) + i b^r_{-2,0,-1,0,1,0,1,0,1,0}(x_1^2 x_2 x_3 x_4 y_5 + x_1^2 x_2 x_3 x_5 y_4 +$$
$$x_1^2 x_2 x_4 x_5 y_3 - x_1^2 x_2 y_3 y_4 y_5 - x_1^2 x_3 x_4 x_5 y_2 + x_1^2 x_3 y_2 y_4 y_5 + x_1^2 x_4 y_2 y_3 y_5 +$$
$$x_1^2 x_5 y_2 y_3 y_4 - 2x_1 x_2 x_3 x_4 x_5 y_1 + 2x_1 x_2 x_3 y_1 y_4 y_5 + 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 -$$
$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 + 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 -$$
$$x_2 x_3 x_5 y_1^2 y_4 - x_2 x_4 x_5 y_1^2 y_3 + x_2 y_1^2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1^2 y_2 - x_3 y_1^2 y_2 y_4 y_5 -$$
$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) - 2 i b^r_{-2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2 - y_1 y_2)(x_1 y_2 + x_2 y_1) +$$
$$b^r_{-2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2 - x_1 y_2 - x_2 y_1 - y_1 y_2)(x_1 x_2 + x_1 y_2 + x_2 y_1 - y_1 y_2) -$$
$$2 i b^r_{-2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_2 - y_1 y_2)(x_1 y_2 + x_2 y_1) + b^r_{-2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_2 - x_1 y_2 -$$
$$x_2 y_1 - y_1 y_2)(x_1 x_2 + x_1 y_2 + x_2 y_1 - y_1 y_2) - 2 i b^r_{-2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_2 - y_1 y_2)(x_1 y_2 +$$
$$x_2 y_1) + b^r_{-2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_2 - x_1 y_2 - x_2 y_1 - y_1 y_2)(x_1 x_2 + x_1 y_2 + x_2 y_1 - y_1 y_2) -$$
$$2 i b^r_{-2,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_2 - y_1 y_2)(x_1 y_2 + x_2 y_1) + b^r_{-2,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_2 - x_1 y_2 -$$
$$x_2 y_1 - y_1 y_2)(x_1 x_2 + x_1 y_2 + x_2 y_1 - y_1 y_2) - 2 i b^r_{-2,0,0,0,-2,0,-2,0,0,0}(x_1 x_3 x_4 - x_1 y_3 y_4 - x_3 y_1 y_4 -$$
$$x_4 y_1 y_3)(x_1 x_3 y_4 + x_1 x_4 y_3 + x_3 x_4 y_1 - y_1 y_3 y_4) + b^r_{-2,0,0,0,-2,0,-2,0,0,0}(x_1 x_3 x_4 - x_1 x_3 y_4 - x_1 x_4 y_3 -$$
$$x_1 y_3 y_4 - x_3 x_4 y_1 - x_3 y_1 y_4 - x_4 y_1 y_3 + y_1 y_3 y_4)(x_1 x_3 x_4 + x_1 x_3 y_4 + x_1 x_4 y_3 - x_1 y_3 y_4 +$$
$$x_3 x_4 y_1 - x_3 y_1 y_4 - x_4 y_1 y_3 - y_1 y_3 y_4) + 2 i b^r_{-2,0,0,0,-2,0,0,0,2,0}(x_1 x_3 x_5 + x_1 y_3 y_5 + x_3 y_1 y_5 -$$
$$x_5 y_1 y_3)(x_1 x_3 y_5 - x_1 x_5 y_3 - x_3 x_5 y_1 - y_1 y_3 y_5) + b^r_{-2,0,0,0,-2,0,0,0,2,0}(x_1 x_3 x_5 - x_1 x_3 y_5 + x_1 x_5 y_3 +$$
$$x_1 y_3 y_5 + x_3 x_5 y_1 + x_3 y_1 y_5 - x_5 y_1 y_3 + y_1 y_3 y_5)(x_1 x_3 x_5 + x_1 x_3 y_5 - x_1 x_5 y_3 + x_1 y_3 y_5 -$$
$$x_3 x_5 y_1 + x_3 y_1 y_5 - x_5 y_1 y_3 - y_1 y_3 y_5) - 2 i b^r_{-2,0,0,0,-4,0,0,0,0,0}(x_1 x_3^2 - x_1 y_3^2 - 2x_3 y_1 y_3)(2x_1 x_3 y_3 +$$
$$x_3^2 y_1 - y_1 y_3^2) + b^r_{-2,0,0,0,-4,0,0,0,0,0}(x_1 x_3^2 - 2x_1 x_3 y_3 - x_1 y_3^2 - x_3^2 y_1 - 2x_3 y_1 y_3 +$$
$$y_1 y_3^2)(x_1 x_3^2 + 2x_1 x_3 y_3 - x_1 y_3^2 + x_3^2 y_1 - 2x_3 y_1 y_3 - y_1 y_3^2) + 2 i b^r_{-2,0,0,0,0,0,-2,0,2,0}(x_1 x_4 x_5 +$$
$$x_1 y_4 y_5 + x_4 y_1 y_5 - x_5 y_1 y_4)(x_1 x_4 y_5 - x_1 x_5 y_4 - x_4 x_5 y_1 - y_1 y_4 y_5) + b^r_{-2,0,0,0,0,0,-2,0,2,0}(x_1 x_4 x_5 -$$
$$x_1 x_4 y_5 + x_1 x_5 y_4 + x_1 y_4 y_5 + x_4 x_5 y_1 + x_4 y_1 y_5 - x_5 y_1 y_4 + y_1 y_4 y_5)(x_1 x_4 x_5 + x_1 x_4 y_5 -$$
$$x_1 x_5 y_4 + x_1 y_4 y_5 - x_4 x_5 y_1 + x_4 y_1 y_5 - x_5 y_1 y_4 - y_1 y_4 y_5) - 2 i b^r_{-2,0,0,0,0,0,-4,0,0,0}(x_1 x_4^2 - x_1 y_4^2 -$$
$$2x_4 y_1 y_4)(2x_1 x_4 y_4 + x_4^2 y_1 - y_1 y_4^2) + b^r_{-2,0,0,0,0,0,-4,0,0,0}(x_1 x_4^2 - 2x_1 x_4 y_4 - x_1 y_4^2 - x_4^2 y_1 -$$
$$2x_4 y_1 y_4 + y_1 y_4^2)(x_1 x_4^2 + 2x_1 x_4 y_4 - x_1 y_4^2 + x_4^2 y_1 - 2x_4 y_1 y_4 - y_1 y_4^2) -$$
$$2 i b^r_{-2,0,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1 x_5 - y_1 y_5)(x_1 y_5 + x_5 y_1) + b^r_{-2,0,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1 x_5 - x_1 y_5 -$$
$$x_5 y_1 - y_1 y_5)(x_1 x_5 + x_1 y_5 + x_5 y_1 - y_1 y_5) + 2 i b^r_{-2,0,0,0,0,0,0,0,0,4,0}(x_1 x_5^2 - x_1 y_5^2 + 2x_5 y_1 y_5)(2x_1 x_5 y_5 -$$

$$x_5^2 y_1 + y_1 y_5^2) + b^r_{-2,0,0,0,0,0,0,0,0,4,0}(x_1 x_5^2 - 2x_1 x_5 y_5 - x_1 y_5^2 + x_5^2 y_1 + 2x_5 y_1 y_5 -$$

$$y_1 y_5^2)(x_1 x_5^2 + 2x_1 x_5 y_5 - x_1 y_5^2 - x_5^2 y_1 + 2x_5 y_1 y_5 + y_1 y_5^2) - 2ib^r_{-2,0,0,0,0,0,0,0,1,-2,0}(x_4^2 +$$

$$y_4^2)(x_1 x_5 - y_1 y_5)(x_1 y_5 + x_5 y_1) + b^r_{-2,0,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1 x_5 - x_1 y_5 - x_5 y_1 - y_1 y_5)(x_1 x_5 +$$

$$x_1 y_5 + x_5 y_1 - y_1 y_5) + 2ib^r_{-2,0,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1 x_4 + y_1 y_4)(x_1 y_4 - x_4 y_1) +$$

$$b^r_{-2,0,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1 x_4 - x_1 y_4 + x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 + y_1 y_4) +$$

$$2ib^r_{-2,0,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1 x_4 + y_1 y_4)(x_1 y_4 - x_4 y_1) + b^r_{-2,0,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1 x_4 - x_1 y_4 +$$

$$x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 + y_1 y_4) - 2ib^r_{-2,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1 x_5 - y_1 y_5)(x_1 y_5 +$$

$$x_5 y_1) + b^r_{-2,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1 x_5 - x_1 y_5 - x_5 y_1 - y_1 y_5)(x_1 x_5 + x_1 y_5 + x_5 y_1 - y_1 y_5) +$$

$$2ib^r_{-2,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1 x_4 + y_1 y_4)(x_1 y_4 - x_4 y_1) + b^r_{-2,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1 x_4 - x_1 y_4 +$$

$$x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 + y_1 y_4) + 2ib^r_{-2,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_3 + y_1 y_3)(x_1 y_3 -$$

$$x_3 y_1) + b^r_{-2,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_3 - x_1 y_3 + x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) +$$

$$2ib^r_{-2,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_3 + y_1 y_3)(x_1 y_3 - x_3 y_1) + b^r_{-2,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_3 - x_1 y_3 +$$

$$x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) + 2ib^r_{-2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_3 + y_1 y_3)(x_1 y_3 -$$

$$x_3 y_1) + b^r_{-2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_3 - x_1 y_3 + x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) -$$

$$2ib^r_{-2,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1 x_5 - y_1 y_5)(x_1 y_5 + x_5 y_1) + b^r_{-2,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1 x_5 - x_1 y_5 -$$

$$x_5 y_1 - y_1 y_5)(x_1 x_5 + x_1 y_5 + x_5 y_1 - y_1 y_5) + 2ib^r_{-2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1 x_4 + y_1 y_4)(x_1 y_4 -$$

$$x_4 y_1) + b^r_{-2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1 x_4 - x_1 y_4 + x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 + y_1 y_4) +$$

$$2ib^r_{-2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_3 + y_1 y_3)(x_1 y_3 - x_3 y_1) + b^r_{-2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_3 - x_1 y_3 +$$

$$x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) + b^r_{-2,0,1,0,-1,0,-1,0,1,0}(x_1^2 x_2 x_3 x_4 x_5 + x_1^2 x_2 x_3 y_4 y_5 +$$

$$x_1^2 x_2 x_4 y_3 y_5 - x_1^2 x_2 x_5 y_3 y_4 - x_1^2 x_3 x_4 y_2 y_5 + x_1^2 x_3 x_5 y_2 y_4 + x_1^2 x_4 x_5 y_2 y_3 +$$

$$x_1^2 y_2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 y_1 y_5 - 2x_1 x_2 x_3 x_5 y_1 y_4 - 2x_1 x_2 x_4 x_5 y_1 y_3 - 2x_1 x_2 y_1 y_3 y_4 y_5 +$$

$$2x_1 x_3 x_4 x_5 y_1 y_2 + 2x_1 x_3 y_1 y_2 y_4 y_5 + 2x_1 x_4 y_1 y_2 y_3 y_5 - 2x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 -$$

$$x_2 x_3 y_1^2 y_4 y_5 - x_2 x_4 y_1^2 y_3 y_5 + x_2 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^2 y_2 y_5 - x_3 x_5 y_1^2 y_2 y_4 -$$

$$x_4 x_5 y_1^2 y_2 y_3 - y_1^2 y_2 y_3 y_4 y_5) + ib^r_{-2,0,1,0,-1,0,-1,0,1,0}(x_1^2 x_2 x_3 x_4 y_5 - x_1^2 x_2 x_3 x_5 y_4 -$$

$$x_1^2 x_2 x_4 x_5 y_3 - x_1^2 x_2 y_3 y_4 y_5 + x_1^2 x_3 x_4 x_5 y_2 + x_1^2 x_3 y_2 y_4 y_5 + x_1^2 x_4 y_2 y_3 y_5 -$$

$$x_1^2 x_5 y_2 y_3 y_4 - 2x_1 x_2 x_3 x_4 x_5 y_1 - 2x_1 x_2 x_3 y_1 y_4 y_5 - 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 +$$

$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 - 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 +$$

$$x_2 x_3 x_5 y_1^2 y_4 + x_2 x_4 x_5 y_1^2 y_3 + x_2 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^2 y_2 - x_3 y_1^2 y_2 y_4 y_5 -$$

$$x_4 y_1^2 y_2 y_3 y_5 + x_5 y_1^2 y_2 y_3 y_4) + b^r_{-2,0,1,0,1,0,1,0,-1,0}(x_1^2 x_2 x_3 x_4 x_5 + x_1^2 x_2 x_3 y_4 y_5 +$$

$$x_1^2 x_2 x_4 y_3 y_5 - x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 -$$

$$x_1^2 y_2 y_3 y_4 y_5 - 2x_1 x_2 x_3 x_4 y_1 y_5 + 2x_1 x_2 x_3 x_5 y_1 y_4 + 2x_1 x_2 x_4 x_5 y_1 y_3 + 2x_1 x_2 y_1 y_3 y_4 y_5 +$$

$$2x_1 x_3 x_4 x_5 y_1 y_2 + 2x_1 x_3 y_1 y_2 y_4 y_5 + 2x_1 x_4 y_1 y_2 y_3 y_5 - 2x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 -$$

$$x_2 x_3 y_1^2 y_4 y_5 - x_2 x_4 y_1^2 y_3 y_5 + x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 + x_3 x_5 y_1^2 y_2 y_4 +$$

$$x_4 x_5 y_1^2 y_2 y_3 + y_1^2 y_2 y_3 y_4 y_5) - ib^r_{-2,0,1,0,1,0,1,0,-1,0}(x_1^2 x_2 x_3 x_4 y_5 - x_1^2 x_2 x_3 x_5 y_4 -$$

$$x_1^2 x_2 x_4 x_5 y_3 - x_1^2 x_2 y_3 y_4 y_5 - x_1^2 x_3 x_4 x_5 y_2 - x_1^2 x_3 y_2 y_4 y_5 - x_1^2 x_4 y_2 y_3 y_5 +$$

$$x_1^2 x_5 y_2 y_3 y_4 + 2x_1 x_2 x_3 x_4 x_5 y_1 + 2x_1 x_2 x_3 y_1 y_4 y_5 + 2x_1 x_2 x_4 y_1 y_3 y_5 - 2x_1 x_2 x_5 y_1 y_3 y_4 +$$

$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 - 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 +$$

$$x_2 x_3 x_5 y_1^2 y_4 + x_2 x_4 x_5 y_1^2 y_3 + x_2 y_1^2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1^2 y_2 + x_3 y_1^2 y_2 y_4 y_5 +$$

$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) - 2ib^r_{-2,0,2,0,-2,0,0,0,0,0}(x_1 x_2 x_3 + x_1 y_2 y_3 - x_2 y_1 y_3 +$$

$$x_3 y_1 y_2)(x_1 x_2 y_3 - x_1 x_3 y_2 + x_2 x_3 y_1 + y_1 y_2 y_3) + b^r_{-2,0,2,0,-2,0,0,0,0,0}(x_1 x_2 x_3 - x_1 x_2 y_3 + x_1 x_3 y_2 +$$

$$x_1 y_2 y_3 - x_2 x_3 y_1 - x_2 y_1 y_3 + x_3 y_1 y_2 - y_1 y_2 y_3)(x_1 x_2 x_3 + x_1 x_2 y_3 - x_1 x_3 y_2 + x_1 y_2 y_3 +$$

$$x_2 x_3 y_1 - x_2 y_1 y_3 + x_3 y_1 y_2 + y_1 y_2 y_3) - 2ib^r_{-2,0,2,0,0,0,0,-2,0,0,0}(x_1 x_2 x_4 + x_1 y_2 y_4 - x_2 y_1 y_4 +$$

$$x_4y_1y_2)(x_1x_2y_4 - x_1x_4y_2 + x_2x_4y_1 + y_1y_2y_4) + b^r_{-2,0,2,0,0,0,-2,0,0,0}(x_1x_2x_4 - x_1x_2y_4 + x_1x_4y_2 +$$

$$x_1y_2y_4 - x_2x_4y_1 - x_2y_1y_4 + x_4y_1y_2 - y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 - x_1x_4y_2 + x_1y_2y_4 +$$

$$x_2x_4y_1 - x_2y_1y_4 + x_4y_1y_2 + y_1y_2y_4) + 2ib^r_{-2,0,2,0,0,0,0,0,2,0}(x_1x_2x_5 - x_1y_2y_5 + x_2y_1y_5 +$$

$$x_5y_1y_2)(x_1x_2y_5 + x_1x_5y_2 - x_2x_5y_1 + y_1y_2y_5) + b^r_{-2,0,2,0,0,0,0,0,2,0}(x_1x_2x_5 - x_1x_2y_5 - x_1x_5y_2 -$$

$$x_1y_2y_5 + x_2x_5y_1 + x_2y_1y_5 + x_5y_1y_2 - y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 + x_1x_5y_2 - x_1y_2y_5 -$$

$$x_2x_5y_1 + x_2y_1y_5 + x_5y_1y_2 + y_1y_2y_5) + 2ib^r_{-2,0,4,0,0,0,0,0,0,0}(x_1x_2^2 - x_1y_2^2 + 2x_2y_1y_2)(2x_1x_2y_2 -$$

$$x_2^2y_1 + y_1y_2^2) + b^r_{-2,0,4,0,0,0,0,0,0,0}(x_1x_2^2 - 2x_1x_2y_2 - x_1y_2^2 + x_2^2y_1 + 2x_2y_1y_2 -$$

$$y_1y_2^2)(x_1x_2^2 + 2x_1x_2y_2 - x_1y_2^2 - x_2^2y_1 + 2x_2y_1y_2 + y_1y_2^2) - 2ib^r_{-2,1,-2,0,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) + b^r_{-2,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 +$$

$$x_1y_2 + x_2y_1 - y_1y_2) - 2ib^r_{-2,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) +$$

$$b^r_{-2,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5) +$$

$$2ib^r_{-2,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) + b^r_{-2,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1x_4 - x_1y_4 +$$

$$x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4) + 2ib^r_{-2,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_3 + y_1y_3)(x_1y_3 -$$

$$x_3y_1) + b^r_{-2,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3) +$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) - ib^r_{-3,0,-1,0,0,0,0,0,0,1}(x_5^2 +$$

$$y_5^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + b^r_{-3,0,-1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^3x_2 -$$

$$3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) - ib^r_{-3,0,-1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 -$$

$$x_2y_1^3) + b^r_{-3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) -$$

$$ib^r_{-3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + b^r_{-3,0,-1,1,0,0,0,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) - ib^r_{-3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3y_2 +$$

$$3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + b^r_{-3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4x_5 + x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 +$$

$$x_1^3x_5y_3y_4 - 3x_1^2x_3x_4y_1y_5 + 3x_1^2x_3x_5y_1y_4 - 3x_1^2x_4x_5y_1y_3 - 3x_1^2y_1y_3y_4y_5 -$$

$$3x_1x_3x_4x_5y_1^2 - 3x_1x_3y_1^2y_4y_5 + 3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4 + x_3x_4y_1^3y_5 -$$

$$x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 + y_1^3y_3y_4y_5) - ib^r_{-3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4y_5 - x_1^3x_3x_5y_4 +$$

$$x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5 + 3x_1^2x_3x_4x_5y_1 + 3x_1^2x_3y_1y_4y_5 - 3x_1^2x_4y_1y_3y_5 +$$

$$3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 + 3x_1x_3x_5y_1^2y_4 - 3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 -$$

$$x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5 + x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) + b^r_{-3,0,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4x_5 -$$

$$x_1^3x_3y_4y_5 + x_1^3x_4y_3y_5 + x_1^3x_5y_3y_4 - 3x_1^2x_3x_4y_1y_5 - 3x_1^2x_3x_5y_1y_4 +$$

$$3x_1^2x_4x_5y_1y_3 - 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 - 3x_1x_4y_1^2y_3y_5 -$$

$$3x_1x_5y_1^2y_3y_4 + x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 - x_4x_5y_1^3y_3 + y_1^3y_3y_4y_5) -$$

$$ib^r_{-3,0,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 - x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5 + 3x_1^2x_3x_4x_5y_1 -$$

$$3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 + 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 +$$

$$3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 - x_3x_4x_5y_1^3 + x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) +$$

$$b^r_{-3,0,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 - x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5 +$$

$$3x_1^2x_3x_5y_1y_4 + 3x_1^2x_4x_5y_1y_3 - 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 +$$

$$3x_1x_4y_1^2y_3y_5 + 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5 - x_3x_5y_1^3y_4 - x_4x_5y_1^3y_3 + y_1^3y_3y_4y_5) +$$

$$ib^r_{-3,0,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 + x_1^3x_4x_5y_3 - x_1^3y_3y_4y_5 - 3x_1^2x_3x_4x_5y_1 +$$

$$3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 + 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 -$$

$$3x_1x_4x_5y_1^2y_3 + 3x_1y_1^2y_3y_4y_5 + x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) +$$

$$b^r_{-3,0,1,0,0,0,0,0,0,-2,0}(x_1^3x_2x_5^2 - x_1^3x_2y_5^2 + 2x_1^3x_5y_2y_5 - 6x_1^2x_2x_5y_1y_5 + 3x_1^2x_5^2y_1y_2 -$$

$$3x_1^2y_1y_2y_5^2 - 3x_1x_2x_5^2y_1^2 + 3x_1x_2y_1^2y_5^2 - 6x_1x_5y_1^2y_2y_5 + 2x_2x_5y_1^3y_5 -$$

$$x_5^2y_1^3y_2 + y_1^3y_2y_5^2) - ib^r_{-3,0,1,0,0,0,0,0,0,-2,0}(2x_1^3x_2x_5y_5 - x_1^3x_5^2y_2 + x_1^3y_2y_5^2 +$$

$$3x_1^2x_2x_5^2y_1 - 3x_1^2x_2y_1y_5^2 + 6x_1^2x_5y_1y_2y_5 - 6x_1x_2x_5y_1^2y_5 + 3x_1x_5^2y_1^2y_2-$$

$$3x_1y_1^2y_2y_5^2 - x_2x_5^2y_1^3 + x_2y_1^3y_5^2 - 2x_5y_1^3y_2y_5) + b^r_{-3,0,1,0,0,0,2,0,0,0}(x_1^3x_2x_4^2-$$

$$x_1^3x_2y_4^2 - 2x_1^3x_4y_2y_4 + 6x_1^2x_2x_4y_1y_4 + 3x_1^2x_4^2y_1y_2 - 3x_1^2y_1y_2y_4^2-$$

$$3x_1x_2x_4^2y_1^2 + 3x_1x_2y_1^2y_4^2 + 6x_1x_4y_1^2y_2y_4 - 2x_2x_4y_1^3y_4 - x_4^2y_1^3y_2 + y_1^3y_2y_4^2)+$$

$$ib^r_{-3,0,1,0,0,0,2,0,0,0}(2x_1^3x_2x_4y_4 + x_1^3x_4^2y_2 - x_1^3y_2y_4^2 - 3x_1^2x_2x_4^2y_1 + 3x_1^2x_2y_1y_4^2+$$

$$6x_1^2x_4y_1y_2y_4 - 6x_1x_2x_4y_1^2y_4 - 3x_1x_4^2y_1^2y_2 + 3x_1y_1^2y_2y_4^2 + x_2x_4^2y_1^3-$$

$$x_2y_1^3y_4^2 - 2x_4y_1^3y_2y_4) + b^r_{-3,0,1,0,2,0,0,0,0,0}(x_1^3x_2x_3^2 - x_1^3x_2y_3^2 - 2x_1^3x_3y_2y_3+$$

$$6x_1^2x_2x_3y_1y_3 + 3x_1^2x_3^2y_1y_2 - 3x_1^2y_1y_2y_3^2 - 3x_1x_2x_3^2y_1^2 + 3x_1x_2y_1^2y_3^2+$$

$$6x_1x_3y_1^2y_2y_3 - 2x_2x_3y_1^3y_3 - x_3^2y_1^3y_2 + y_1^3y_2y_3^2) + ib^r_{-3,0,1,0,2,0,0,0,0,0}(2x_1^3x_2x_3y_3+$$

$$x_1^3x_3^2y_2 - x_1^3y_2y_3^2 - 3x_1^2x_2x_3^2y_1 + 3x_1^2x_2y_1y_3^2 + 6x_1^2x_3y_1y_2y_3-$$

$$6x_1x_2x_3y_1^2y_3 - 3x_1x_3^2y_1^2y_2 + 3x_1y_1^2y_2y_3^2 + x_2x_3^2y_1^3 - x_2y_1^3y_3^2 - 2x_3y_1^3y_2y_3)+$$

$$b^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) - ib^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2+$$

$$y_1^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) - 4ib^r_{-4,0,0,0,0,0,0,0,0,1}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_5^2+$$

$$y_5^2) + b^r_{-4,0,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2)-$$

$$4ib^r_{-4,0,0,0,0,0,0,1,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2) + b^r_{-4,0,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^2 - 2x_1y_1-$$

$$y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) - 4ib^r_{-4,0,0,0,0,1,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2) + b^r_{-4,0,0,0,0,1,0,0,0,0}(x_3^2+$$

$$y_3^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) - 4ib^r_{-4,0,0,1,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2)+$$

$$b^r_{-4,0,0,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) - 4ib^r_{-4,1,0,0,0,0,0,0,0,0}x_1y_1(x_1-$$

$$y_1)(x_1 + y_1)(x_1^2 + y_1^2) + b^r_{-4,1,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2)+$$

$$b^r_{-5,0,1,0,0,0,0,0,0,0}(x_1^5x_2 + 5x_1^4y_1y_2 - 10x_1^3x_2y_1^2 - 10x_1^2y_1^3y_2 + 5x_1x_2y_1^4 + y_1^5y_2)+$$

$$ib^r_{-5,0,1,0,0,0,0,0,0,0}(x_1^5y_2 - 5x_1^4x_2y_1 - 10x_1^3y_1^2y_2 + 10x_1^2x_2y_1^3 + 5x_1y_1^4y_2 - x_2y_1^5)+$$

$$b^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5-$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5-$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5-$$

$$3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4+$$

$$3x_3x_4y_2y_4^2y_5 + x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2-$$

$$y_2y_3y_4^3y_5) - ib^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5-$$

$$x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2-$$

$$3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 + x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4+$$

$$3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) + b^r_{0,0,-1,0,-1,0,1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2+$$

$$3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4-$$

$$3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2-$$

$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 - 3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3)-$$

$$ib^r_{0,0,-1,0,-1,0,1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2+$$

$$x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2-$$

$$3x_3x_4x_5y_2y_5^2 + 3x_3x_5^2y_2y_4y_5 - x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3+$$

$$x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,-1,0,-1,0,1,0,3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2-$$

$$3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 + 3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4-$$

$$3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2 -$$
$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) +$$
$$ib_{0,0,-1,0,-1,0,1,0,3,0}^r(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 -$$
$$x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 +$$
$$3x_3x_4x_5y_2y_5^2 + 3x_3x_5^2y_2y_4y_5 - x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 -$$
$$x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) + b_{0,0,-1,0,-1,0,3,0,-1,0}^r(x_2x_3x_4^3x_5 + 3x_2x_3x_4^2y_4y_5 -$$
$$3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 -$$
$$x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 + 3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 -$$
$$3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 + y_2y_3y_4^3y_5) - ib_{0,0,-1,0,-1,0,3,0,-1,0}^r(x_2x_3x_4^3y_5 -$$
$$3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 -$$
$$3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2 + 3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 -$$
$$x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 + 3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) +$$
$$b_{0,0,-1,0,-1,1,-1,0,1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib_{0,0,-1,0,-1,1,-1,0,1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$
$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$
$$b_{0,0,-1,0,-3,0,-1,0,-1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 -$$
$$3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 + x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 -$$
$$3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 + 3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 -$$
$$y_2y_3^3y_4y_5) - ib_{0,0,-1,0,-3,0,-1,0,-1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 -$$
$$3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 +$$
$$x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 - 3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 - 3x_3x_4x_5y_2y_3^2 +$$
$$3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 + x_5y_2y_3^3y_4) + b_{0,0,-1,0,-3,0,1,0,1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 +$$
$$3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5 -$$
$$x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 -$$
$$3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5) +$$
$$ib_{0,0,-1,0,-3,0,1,0,1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 -$$
$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 -$$
$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 - 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 +$$
$$x_5y_2y_3^3y_4) + b_{0,0,-1,0,1,0,-1,0,-3,0}^r(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 - 3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 +$$
$$3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 +$$
$$x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 -$$
$$3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) - ib_{0,0,-1,0,1,0,-1,0,-3,0}^r(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 +$$
$$x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 -$$
$$x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 +$$
$$3x_4x_5^2y_2y_3y_5 - x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) + b_{0,0,-1,0,1,0,-1,0,3,0}^r(x_2x_3x_4x_5^3 -$$
$$3x_2x_3x_4x_5y_5^2 + 3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 +$$
$$x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 +$$
$$3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) +$$
$$ib_{0,0,-1,0,1,0,-1,0,3,0}^r(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 +$$
$$x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 +$$
$$3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 + 3x_4x_5^2y_2y_3y_5 - x_4y_2y_3y_5^3 -$$
$$x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) + b_{0,0,-1,0,1,0,-3,0,1,0}^r(x_2x_3x_4^3x_5 + 3x_2x_3x_4^2y_4y_5 -$$

$$3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 -$$

$$x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5 + x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 +$$

$$3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 - y_2y_3y_4^3y_5) + ib_{0,0,-1,0,1,0,-3,0,1,0}^r(x_2x_3x_4^3y_5 -$$

$$3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 -$$

$$3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 - 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 +$$

$$x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 - 3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) +$$

$$b_{0,0,-1,0,1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) - ib_{0,0,-1,0,1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) +$$

$$b_{0,0,-1,0,1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) - ib_{0,0,-1,0,1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) +$$

$$b_{0,0,-1,0,1,0,3,0,1,0}^r(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 -$$

$$3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 -$$

$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 +$$

$$y_2y_3y_4^3y_5) + ib_{0,0,-1,0,1,0,3,0,1,0}^r(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 -$$

$$x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 +$$

$$3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 -$$

$$3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) + b_{0,0,-1,0,1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) -$$

$$ib_{0,0,-1,0,1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + b_{0,0,-1,0,3,0,-1,0,-1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 +$$

$$3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5 -$$

$$x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 + 3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 +$$

$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 + y_2y_3^3y_4y_5) -$$

$$ib_{0,0,-1,0,3,0,-1,0,-1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 -$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 + x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 +$$

$$3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 - 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 -$$

$$x_5y_2y_3^3y_4) + b_{0,0,-1,0,3,0,1,0,1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 -$$

$$3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 + x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 +$$

$$3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 - 3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 +$$

$$y_2y_3^3y_4y_5) + ib_{0,0,-1,0,3,0,1,0,1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 -$$

$$3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 -$$

$$x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 + 3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 -$$

$$3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 - x_5y_2y_3^3y_4) + b_{0,0,-1,1,-1,0,-1,0,1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4x_5 +$$

$$x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) +$$

$$ib_{0,0,-1,1,-1,0,-1,0,1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 -$$

$$x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + b_{0,0,-1,1,1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) -$$

$$ib_{0,0,-1,1,1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) - 2ib_{0,0,-2,0,-2,0,-2,0,0,0}^r(x_2x_3x_4 - x_2y_3y_4 - x_3y_2y_4 -$$

$$x_4y_2y_3)(x_2x_3y_4 + x_2x_4y_3 + x_3x_4y_2 - y_2y_3y_4) + b_{0,0,-2,0,-2,0,-2,0,0,0}^r(x_2x_3x_4 - x_2x_3y_4 - x_2x_4y_3 -$$

$$x_2y_3y_4 - x_3x_4y_2 - x_3y_2y_4 - x_4y_2y_3 + y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 + x_2x_4y_3 - x_2y_3y_4 +$$

$$x_3x_4y_2 - x_3y_2y_4 - x_4y_2y_3 - y_2y_3y_4) + 2ib^r_{0,0,-2,0,-2,0,0,0,2,0}(x_2x_3x_5 + x_2y_3y_5 + x_3y_2y_5 -$$

$$x_5y_2y_3)(x_2x_3y_5 - x_2x_5y_3 - x_3x_5y_2 - y_2y_3y_5) + b^r_{0,0,-2,0,-2,0,0,0,2,0}(x_2x_3x_5 - x_2x_3y_5 + x_2x_5y_3 +$$

$$x_2y_3y_5 + x_3x_5y_2 + x_3y_2y_5 - x_5y_2y_3 + y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 - x_2x_5y_3 + x_2y_3y_5 -$$

$$x_3x_5y_2 + x_3y_2y_5 - x_5y_2y_3 - y_2y_3y_5) - 2ib^r_{0,0,-2,0,-4,0,0,0,0,0}(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3)(2x_2x_3y_3 +$$

$$x_3^2y_2 - y_2y_3^2) + b^r_{0,0,-2,0,-4,0,0,0,0,0}(x_2x_3^2 - 2x_2x_3y_3 - x_2y_3^2 - x_3^2y_2 - 2x_3y_2y_3 +$$

$$y_2y_3^2)(x_2x_3^2 + 2x_2x_3y_3 - x_2y_3^2 + x_3^2y_2 - 2x_3y_2y_3 - y_2y_3^2) + 2ib^r_{0,0,-2,0,0,0,-2,0,2,0}(x_2x_4x_5 +$$

$$x_2y_4y_5 + x_4y_2y_5 - x_5y_2y_4)(x_2x_4y_5 - x_2x_5y_4 - x_4x_5y_2 - y_2y_4y_5) + b^r_{0,0,-2,0,0,0,-2,0,2,0}(x_2x_4x_5 -$$

$$x_2x_4y_5 + x_2x_5y_4 + x_2y_4y_5 + x_4x_5y_2 + x_4y_2y_5 - x_5y_2y_4 + y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 -$$

$$x_2x_5y_4 + x_2y_4y_5 - x_4x_5y_2 + x_4y_2y_5 - x_5y_2y_4 - y_2y_4y_5) - 2ib^r_{0,0,-2,0,0,0,-4,0,0,0}(x_2x_4^2 - x_2y_4^2 -$$

$$2x_4y_2y_4)(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2) + b^r_{0,0,-2,0,0,0,-4,0,0,0}(x_2x_4^2 - 2x_2x_4y_4 - x_2y_4^2 - x_4^2y_2 -$$

$$2x_4y_2y_4 + y_2y_4^2)(x_2x_4^2 + 2x_2x_4y_4 - x_2y_4^2 + x_4^2y_2 - 2x_4y_2y_4 - y_2y_4^2) -$$

$$2ib^r_{0,0,-2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2x_5 - x_2y_5 -$$

$$x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) + 2ib^r_{0,0,-2,0,0,0,0,0,4,0}(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)(2x_2x_5y_5 -$$

$$x_5^2y_2 + y_2y_5^2) + b^r_{0,0,-2,0,0,0,0,0,4,0}(x_2x_5^2 - 2x_2x_5y_5 - x_2y_5^2 + x_5^2y_2 + 2x_5y_2y_5 -$$

$$y_2y_5^2)(x_2x_5^2 + 2x_2x_5y_5 - x_2y_5^2 - x_5^2y_2 + 2x_5y_2y_5 + y_2y_5^2) - 2ib^r_{0,0,-2,0,0,0,0,1,-2,0}(x_4^2 +$$

$$y_4^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 +$$

$$x_2y_5 + x_5y_2 - y_2y_5) + 2ib^r_{0,0,-2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) +$$

$$b^r_{0,0,-2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) +$$

$$2ib^r_{0,0,-2,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + b^r_{0,0,-2,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2x_4 - x_2y_4 +$$

$$x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) - 2ib^r_{0,0,-2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2x_5 - y_2y_5)(x_2y_5 +$$

$$x_5y_2) + b^r_{0,0,-2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) +$$

$$2ib^r_{0,0,-2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + b^r_{0,0,-2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2x_4 - x_2y_4 +$$

$$x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) + 2ib^r_{0,0,-2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2x_3 + y_2y_3)(x_2y_3 -$$

$$x_3y_2) + b^r_{0,0,-2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) +$$

$$2ib^r_{0,0,-2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) + b^r_{0,0,-2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2x_3 - x_2y_3 +$$

$$x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) + 2ib^r_{0,0,-2,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2x_3 + y_2y_3)(x_2y_3 -$$

$$x_3y_2) + b^r_{0,0,-2,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) -$$

$$2ib^r_{0,0,-2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2x_5 - x_2y_5 -$$

$$x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) + 2ib^r_{0,0,-2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2x_4 + y_2y_4)(x_2y_4 -$$

$$x_4y_2) + b^r_{0,0,-2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) +$$

$$2ib^r_{0,0,-2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) + b^r_{0,0,-2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2x_3 - x_2y_3 +$$

$$x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) + b^r_{0,0,-3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4x_5 + x_2^3x_3y_4y_5 -$$

$$x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5 + 3x_2^2x_3x_5y_2y_4 - 3x_2^2x_4x_5y_2y_3 -$$

$$3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 - 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 +$$

$$x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 + y_2^3y_3y_4y_5) - ib^r_{0,0,-3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4y_5 -$$

$$x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 + 3x_2^2x_3y_2y_4y_5 -$$

$$3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3 -$$

$$3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) +$$

$$b^r_{0,0,-3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 + x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5 -$$

$$3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 - 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 -$$

$$3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 + x_3x_4y_2^3y_5 + x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 + y_2^3y_3y_4y_5) -$$

$$ib^r_{0,0,-3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 - x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 -$$

$$3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 +$$

$$3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) +$$

$$b^r_{0,0,-3,0,1,0,1,0,1,0}(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 - x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 +$$

$$3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 - 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 +$$

$$3x_2x_4y_2^2y_3y_5 + 3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 + y_2^3y_3y_4y_5) +$$

$$ib^r_{0,0,-3,0,1,0,1,0,1,0}(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 - x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 +$$

$$3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 -$$

$$3x_2x_4x_5y_2^2y_3 + 3x_2y_2^2y_3y_4y_5 + x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) -$$

$$4ib^r_{0,0,-4,0,0,0,0,0,0,1}x_2y_2(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) + b^r_{0,0,-4,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_2^2 - 2x_2y_2 -$$

$$y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) - 4ib^r_{0,0,-4,0,0,0,0,1,0,0}x_2y_2(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2) + b^r_{0,0,-4,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) - 4ib^r_{0,0,-4,0,0,1,0,0,0,0}x_2y_2(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2) +$$

$$b^r_{0,0,-4,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) - 4ib^r_{0,0,-4,1,0,0,0,0,0,0}x_2y_2(x_2 -$$

$$y_2)(x_2 + y_2)(x_2^2 + y_2^2) + b^r_{0,0,-4,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) -$$

$$2ib^r_{0,0,0,0,-2,0,-2,0,-2,0}(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4)(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) +$$

$$b^r_{0,0,0,0,-2,0,-2,0,-2,0}(x_3x_4x_5 - x_3x_4y_5 - x_3x_5y_4 - x_3y_4y_5 - x_4x_5y_3 - x_4y_3y_5 - x_5y_3y_4 +$$

$$y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 + x_3x_5y_4 - x_3y_4y_5 + x_4x_5y_3 - x_4y_3y_5 - x_5y_3y_4 - y_3y_4y_5) -$$

$$2ib^r_{0,0,0,0,-2,0,0,0,0,2}x_3y_3(x_5^2 + y_5^2)^2 + b^r_{0,0,0,0,-2,0,0,0,0,2}(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2)^2 -$$

$$2ib^r_{0,0,0,0,-2,0,0,1,0,1}x_3y_3(x_4^2 + y_4^2)(x_5^2 + y_5^2) + b^r_{0,0,0,0,-2,0,0,1,0,1}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) - 2ib^r_{0,0,0,0,-2,0,0,2,0,0}x_3y_3(x_4^2 + y_4^2)^2 + b^r_{0,0,0,0,-2,0,0,2,0,0}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)^2 +$$

$$2ib^r_{0,0,0,0,-2,0,2,0,2,0}(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) +$$

$$b^r_{0,0,0,0,-2,0,2,0,2,0}(x_3x_4x_5 - x_3x_4y_5 - x_3x_5y_4 - x_3y_4y_5 + x_4x_5y_3 + x_4y_3y_5 + x_5y_3y_4 -$$

$$y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 + x_3x_5y_4 - x_3y_4y_5 - x_4x_5y_3 + x_4y_3y_5 + x_5y_3y_4 + y_3y_4y_5) -$$

$$2ib^r_{0,0,0,0,-2,1,0,0,0,1}x_3y_3(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{0,0,0,0,-2,1,0,0,0,1}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2)(x_5^2 +$$

$$y_5^2) - 2ib^r_{0,0,0,0,-2,1,0,1,0,0}x_3y_3(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b^r_{0,0,0,0,-2,1,0,1,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 +$$

$$y_3^2)(x_4^2 + y_4^2) - 2ib^r_{0,0,0,0,-2,2,0,0,0,0}x_3y_3(x_3^2 + y_3^2)^2 + b^r_{0,0,0,0,-2,2,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 +$$

$$y_3^2)^2 - 2ib^r_{0,0,0,0,-4,0,0,0,-2,0}(x_3^2x_5 - 2x_3y_3y_5 - x_5y_3^2)(x_3^2y_5 + 2x_3x_5y_3 - y_3^2y_5) +$$

$$b^r_{0,0,0,0,-4,0,0,0,-2,0}(x_3^2x_5 - x_3^2y_5 - 2x_3x_5y_3 - 2x_3y_3y_5 - x_5y_3^2 + y_3^2y_5)(x_3^2x_5 + x_3^2y_5 +$$

$$2x_3x_5y_3 - 2x_3y_3y_5 - x_5y_3^2 - y_3^2y_5) + 2ib^r_{0,0,0,0,-4,0,2,0,0,0}(x_3^2x_4 + 2x_3y_3y_4 - x_4y_3^2)(x_3^2y_4 -$$

$$2x_3x_4y_3 - y_3^2y_4) + b^r_{0,0,0,0,-4,0,2,0,0,0}(x_3^2x_4 - x_3^2y_4 + 2x_3x_4y_3 + 2x_3y_3y_4 - x_4y_3^2 +$$

$$y_3^2y_4)(x_3^2x_4 + x_3^2y_4 - 2x_3x_4y_3 + 2x_3y_3y_4 - x_4y_3^2 - y_3^2y_4) - 2ib^r_{0,0,0,0,0,0,-2,0,0,2}x_4y_4(x_5^2 +$$

$$y_5^2)^2 + b^r_{0,0,0,0,0,0,-2,0,0,2}(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2)^2 - 2ib^r_{0,0,0,0,0,0,-2,1,0,1}x_4y_4(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) + b^r_{0,0,0,0,0,0,-2,1,0,1}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)(x_5^2 + y_5^2) - 2ib^r_{0,0,0,0,0,0,-2,2,0,0}x_4y_4(x_4^2 + y_4^2)^2 +$$

$$b^r_{0,0,0,0,0,0,-2,2,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)^2 - 2ib^r_{0,0,0,0,0,0,-4,0,-2,0}(x_4^2x_5 - 2x_4y_4y_5 -$$

$$x_5y_4^2)(x_4^2y_5 + 2x_4x_5y_4 - y_4^2y_5) + b^r_{0,0,0,0,0,0,-4,0,-2,0}(x_4^2x_5 - x_4^2y_5 - 2x_4x_5y_4 - 2x_4y_4y_5 -$$

$$x_5y_4^2 + y_4^2y_5)(x_4^2x_5 + x_4^2y_5 + 2x_4x_5y_4 - 2x_4y_4y_5 - x_5y_4^2 - y_4^2y_5) -$$

$$4ib^r_{0,0,0,0,0,0,0,0,0,-4,1}x_5y_5(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,0,0,-4,1}(x_5^2 + y_5^2)(x_5^2 - 2x_5y_5 -$$

$$y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) + 2ib^r_{0,0,0,0,0,0,0,0,0,2,2}x_5y_5(x_5^2 + y_5^2)^2 + b^r_{0,0,0,0,0,0,0,0,0,2,2}(x_5 - y_5)(x_5 +$$

$$y_5)(x_5^2 + y_5^2)^2 - 4ib^r_{0,0,0,0,0,0,0,0,1,-4,0}x_5y_5(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) + b^r_{0,0,0,0,0,0,0,0,1,-4,0}(x_4^2 +$$

$$y_4^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) + 2ib^r_{0,0,0,0,0,0,0,0,1,2,1}x_5y_5(x_4^2 + y_4^2)(x_5^2 + y_5^2) +$$

$$b^r_{0,0,0,0,0,0,0,0,1,2,1}(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + 2ib^r_{0,0,0,0,0,0,0,0,2,2,0}x_5y_5(x_4^2 + y_4^2)^2 +$$

$$b^r_{0,0,0,0,0,0,0,0,2,2,0}(x_4^2 + y_4^2)^2(x_5 - y_5)(x_5 + y_5) - 2ib^r_{0,0,0,0,0,0,0,0,2,0,-2,1}(x_5^2 + y_5^2)(x_4x_5 + y_4y_5)(x_4y_5 -$$

$x_5y_4) + b^r_{0,0,0,0,0,0,2,0,-2,1}(x_5^2 + y_5^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) +$

$2ib^r_{0,0,0,0,0,0,2,0,4,0}(x_4x_5^2 - x_4y_5^2 - 2x_5y_4y_5)(2x_4x_5y_5 + x_5^2y_4 - y_4y_5^2) + b^r_{0,0,0,0,0,0,2,0,4,0}(x_4x_5^2 -$

$2x_4x_5y_5 - x_4y_5^2 - x_5^2y_4 - 2x_5y_4y_5 + y_4y_5^2)(x_4x_5^2 + 2x_4x_5y_5 - x_4y_5^2 + x_5^2y_4 - 2x_5y_4y_5 -$

$y_4y_5^2) - 2ib^r_{0,0,0,0,0,0,2,1,-2,0}(x_4^2 + y_4^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) + b^r_{0,0,0,0,0,0,2,1,-2,0}(x_4^2 +$

$y_4^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + 4ib^r_{0,0,0,0,0,0,4,0,0,1}x_4y_4(x_4 - y_4)(x_4 +$

$y_4)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,4,0,0,1}(x_5^2 + y_5^2)(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) +$

$4ib^r_{0,0,0,0,0,0,4,1,0,0}x_4y_4(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) + b^r_{0,0,0,0,0,0,4,1,0,0}(x_4^2 + y_4^2)(x_4^2 - 2x_4y_4 -$

$y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) - 2ib^r_{0,0,0,0,0,1,-2,0,0,1}x_4y_4(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,1,-2,0,0,1}(x_3^2 +$

$y_3^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) - 2ib^r_{0,0,0,0,0,1,-2,1,0,0}x_4y_4(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$

$b^r_{0,0,0,0,0,1,-2,1,0,0}(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) - 4ib^r_{0,0,0,0,0,1,0,0,-4,0}x_5y_5(x_3^2 + y_3^2)(x_5 -$

$y_5)(x_5 + y_5) + b^r_{0,0,0,0,0,1,0,0,-4,0}(x_3^2 + y_3^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) +$

$2ib^r_{0,0,0,0,0,1,0,0,2,1}x_5y_5(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,1,0,0,2,1}(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 +$

$y_5^2) + 2ib^r_{0,0,0,0,0,1,0,1,2,0}x_5y_5(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b^r_{0,0,0,0,0,1,0,1,2,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_5 -$

$y_5)(x_5 + y_5) - 2ib^r_{0,0,0,0,0,1,2,0,-2,0}(x_3^2 + y_3^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) + b^r_{0,0,0,0,0,1,2,0,-2,0}(x_3^2 +$

$y_3^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + 4ib^r_{0,0,0,0,0,1,4,0,0,0}x_4y_4(x_3^2 +$

$y_3^2)(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,0,0,1,4,0,0,0}(x_3^2 + y_3^2)(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) -$

$2ib^r_{0,0,0,0,0,2,-2,0,0,0}x_4y_4(x_3^2 + y_3^2)^2 + b^r_{0,0,0,0,0,2,-2,0,0,0}(x_3^2 + y_3^2)^2(x_4 - y_4)(x_4 + y_4) +$

$2ib^r_{0,0,0,0,0,2,0,0,2,0}x_5y_5(x_3^2 + y_3^2)^2 + b^r_{0,0,0,0,0,2,0,0,2,0}(x_3^2 + y_3^2)^2(x_5 - y_5)(x_5 + y_5) +$

$2ib^r_{0,0,0,0,2,0,-2,0,2,0}(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5) +$

$b^r_{0,0,0,0,2,0,-2,0,2,0}(x_3x_4x_5 - x_3x_4y_5 + x_3x_5y_4 + x_3y_4y_5 - x_4x_5y_3 - x_4y_3y_5 + x_5y_3y_4 -$

$y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 - x_3x_5y_4 + x_3y_4y_5 + x_4x_5y_3 - x_4y_3y_5 + x_5y_3y_4 + y_3y_4y_5) -$

$2ib^r_{0,0,0,0,2,0,-4,0,0,0}(x_3x_4^2 - x_3y_4^2 + 2x_4y_3y_4)(2x_3x_4y_4 - x_4^2y_3 + y_3y_4^2) + b^r_{0,0,0,0,2,0,-4,0,0,0}(x_3x_4^2 -$

$2x_3x_4y_4 - x_3y_4^2 + x_4^2y_3 + 2x_4y_3y_4 - y_3y_4^2)(x_3x_4^2 + 2x_3x_4y_4 - x_3y_4^2 - x_4^2y_3 + 2x_4y_3y_4 +$

$y_3y_4^2) - 2ib^r_{0,0,0,0,2,0,0,0,-2,1}(x_5^2 + y_5^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) + b^r_{0,0,0,0,2,0,0,0,-2,1}(x_5^2 +$

$y_5^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + 2ib^r_{0,0,0,0,2,0,0,0,4,0}(x_3x_5^2 - x_3y_5^2 -$

$2x_5y_3y_5)(2x_3x_5y_5 + x_5^2y_3 - y_3y_5^2) + b^r_{0,0,0,0,2,0,0,0,4,0}(x_3x_5^2 - 2x_3x_5y_5 - x_3y_5^2 - x_5^2y_3 -$

$2x_5y_3y_5 + y_3y_5^2)(x_3x_5^2 + 2x_3x_5y_5 - x_3y_5^2 + x_5^2y_3 - 2x_5y_3y_5 - y_3y_5^2) -$

$2ib^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) + b^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3x_5 - x_3y_5 +$

$x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + 2ib^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) +$

$b^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) +$

$2ib^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3x_4 - x_3y_4 -$

$x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) - 2ib^r_{0,0,0,0,2,1,0,0,-2,0}(x_3^2 + y_3^2)(x_3x_5 + y_3y_5)(x_3y_5 -$

$x_5y_3) + b^r_{0,0,0,0,2,1,0,0,-2,0}(x_3^2 + y_3^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) +$

$2ib^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3x_4 - x_3y_4 -$

$x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + 4ib^r_{0,0,0,0,4,0,0,0,0,1}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) +$

$b^r_{0,0,0,0,4,0,0,0,0,1}(x_5^2 + y_5^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) + 4ib^r_{0,0,0,0,4,0,0,1,0,0}x_3y_3(x_3 -$

$y_3)(x_3 + y_3)(x_4^2 + y_4^2) + b^r_{0,0,0,0,4,0,0,1,0,0}(x_4^2 + y_4^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) +$

$4ib^r_{0,0,0,0,4,1,0,0,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) + b^r_{0,0,0,0,4,1,0,0,0,0}(x_3^2 + y_3^2)(x_3^2 - 2x_3y_3 -$

$y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - 2ib^r_{0,0,0,1,-2,0,0,0,0,1}x_3y_3(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b^r_{0,0,0,1,-2,0,0,0,0,1}(x_2^2 +$

$y_2^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) - 2ib^r_{0,0,0,1,-2,0,0,1,0,0}x_3y_3(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$

$b^r_{0,0,0,1,-2,0,0,1,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) - 2ib^r_{0,0,0,1,-2,1,0,0,0,0}x_3y_3(x_2^2 + y_2^2)(x_3^2 +$

$y_3^2) + b^r_{0,0,0,1,-2,1,0,0,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) - 2ib^r_{0,0,0,1,0,0,-2,0,0,1}x_4y_4(x_2^2 +$

$$y_2^2)(x_5^2 + y_5^2) + b_{0,0,0,1,0,0,-2,0,0,1}^r(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) -$$

$$2ib_{0,0,0,1,0,0,-2,1,0,0}^r x_4 y_4 (x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{0,0,0,1,0,0,-2,1,0,0}^r(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 +$$

$$y_4^2) - 4ib_{0,0,0,1,0,0,0,0,-4,0}^r x_5 y_5 (x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) + b_{0,0,0,1,0,0,0,0,-4,0}^r(x_2^2 + y_2^2)(x_5^2 - 2x_5 y_5 -$$

$$y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) + 2ib_{0,0,0,1,0,0,0,0,0,2,1}^r x_5 y_5 (x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{0,0,0,1,0,0,0,0,0,2,1}^r(x_2^2 +$$

$$y_2^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + 2ib_{0,0,0,1,0,0,0,0,1,2,0}^r x_5 y_5 (x_2^2 + y_2^2)(x_4^2 + y_4^2) +$$

$$b_{0,0,0,1,0,0,0,0,1,2,0}^r(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) - 2ib_{0,0,0,1,0,0,2,0,-2,0}^r(x_2^2 + y_2^2)(x_4 x_5 +$$

$$y_4 y_5)(x_4 y_5 - x_5 y_4) + b_{0,0,0,1,0,0,2,0,-2,0}^r(x_2^2 + y_2^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 +$$

$$y_4 y_5) + 4ib_{0,0,0,1,0,0,4,0,0,0}^r x_4 y_4 (x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) + b_{0,0,0,1,0,0,4,0,0,0}^r(x_2^2 + y_2^2)(x_4^2 - 2x_4 y_4 -$$

$$y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) - 2ib_{0,0,0,1,0,1,-2,0,0,0}^r x_4 y_4 (x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{0,0,0,1,0,1,-2,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) + 2ib_{0,0,0,1,0,1,0,0,2,0}^r x_5 y_5 (x_2^2 + y_2^2)(x_3^2 + y_3^2) +$$

$$b_{0,0,0,1,0,1,0,0,2,0}^r(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) - 2ib_{0,0,0,1,2,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_3 x_5 +$$

$$y_3 y_5)(x_3 y_5 - x_5 y_3) + b_{0,0,0,1,2,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_3 x_5 - x_3 y_5 + x_5 y_3 + y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 +$$

$$y_3 y_5) + 2ib_{0,0,0,1,2,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_3 x_4 - y_3 y_4)(x_3 y_4 + x_4 y_3) + b_{0,0,0,1,2,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_3 x_4 -$$

$$x_3 y_4 - x_4 y_3 - y_3 y_4)(x_3 x_4 + x_3 y_4 + x_4 y_3 - y_3 y_4) + 4ib_{0,0,0,1,4,0,0,0,0,0}^r x_3 y_3 (x_2^2 + y_2^2)(x_3 - y_3)(x_3 +$$

$$y_3) + b_{0,0,0,1,4,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_3^2 - 2x_3 y_3 - y_3^2)(x_3^2 + 2x_3 y_3 - y_3^2) -$$

$$2ib_{0,0,0,2,-2,0,0,0,0,0}^r x_3 y_3 (x_2^2 + y_2^2)^2 + b_{0,0,0,2,-2,0,0,0,0,0}^r(x_2^2 + y_2^2)^2(x_3 - y_3)(x_3 + y_3) -$$

$$2ib_{0,0,0,2,0,0,-2,0,0,0}^r x_4 y_4 (x_2^2 + y_2^2)^2 + b_{0,0,0,2,0,0,-2,0,0,0}^r(x_2^2 + y_2^2)^2(x_4 - y_4)(x_4 + y_4) +$$

$$2ib_{0,0,0,2,0,0,0,0,2,0}^r x_5 y_5 (x_2^2 + y_2^2)^2 + b_{0,0,0,2,0,0,0,0,2,0}^r(x_2^2 + y_2^2)^2(x_5 - y_5)(x_5 + y_5) +$$

$$b_{0,0,1,0,-1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 +$$

$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) - ib_{0,0,1,0,-1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) +$$

$$b_{0,0,1,0,-1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 +$$

$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) - ib_{0,0,1,0,-1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,0,-1,0,1,0,1,1}^r(x_5^2 +$$

$$y_5^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 -$$

$$y_2 y_3 y_4 y_5) + ib_{0,0,1,0,-1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 +$$

$$x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,0,-1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_2 x_3 x_4 x_5 -$$

$$x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) +$$

$$ib_{0,0,1,0,-1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 -$$

$$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,0,-1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 -$$

$$x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) -$$

$$ib_{0,0,1,0,-1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,0,-1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 +$$

$$x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) +$$

$$ib_{0,0,1,0,-1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 -$$

$$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,0,-3,0,1,0,-1,0}^r(x_2 x_3^3 x_4 x_5 + x_2 x_3^3 y_4 y_5 -$$

$$3x_2 x_3^2 x_4 y_3 y_5 + 3x_2 x_3^2 x_5 y_3 y_4 - 3x_2 x_3 x_4 x_5 y_3^2 - 3x_2 x_3 y_3^2 y_4 y_5 + x_2 x_4 y_3^3 y_5 -$$

$$x_2 x_5 y_3^3 y_4 + x_3^3 x_4 y_2 y_5 - x_3^3 x_5 y_2 y_4 + 3x_3^2 x_4 x_5 y_2 y_3 + 3x_3^2 y_2 y_3 y_4 y_5 -$$

$$3x_3 x_4 y_2 y_3^2 y_5 + 3x_3 x_5 y_2 y_3^2 y_4 - x_4 x_5 y_2 y_3^3 - y_2 y_3^3 y_4 y_5) -$$

$$ib_{0,0,1,0,-3,0,1,0,-1,0}^r(x_2 x_3^3 x_4 y_5 - x_2 x_3^3 x_5 y_4 + 3x_2 x_3^2 x_4 x_5 y_3 + 3x_2 x_3^2 y_3 y_4 y_5 -$$

$$3x_2 x_3 x_4 y_3^2 y_5 + 3x_2 x_3 x_5 y_3^2 y_4 - x_2 x_4 x_5 y_3^3 - x_2 y_3^3 y_4 y_5 - x_3^3 x_4 x_5 y_2 - x_3^3 y_2 y_4 y_5 +$$

$$3x_3^2 x_4 y_2 y_3 y_5 - 3x_3^2 x_5 y_2 y_3 y_4 + 3x_3 x_4 x_5 y_2 y_3^2 + 3x_3 y_2 y_3^2 y_4 y_5 - x_4 y_2 y_3^3 y_5 +$$

$$x_5 y_2 y_3^3 y_4) + b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 -$$

$$x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + i b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2 x_3 x_4 y_5 -$$

$$x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) +$$

$$b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 +$$

$$x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + i b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) +$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2 x_3 x_4^3 x_5 - 3 x_2 x_3 x_4^2 y_4 y_5 - 3 x_2 x_3 x_4 x_5 y_4^2 + x_2 x_3 y_4^3 y_5 + x_2 x_4^3 y_3 y_5 +$$

$$3 x_2 x_4^2 x_5 y_3 y_4 - 3 x_2 x_4 y_3 y_4^2 y_5 - x_2 x_5 y_3 y_4^3 + x_3 x_4^3 y_2 y_5 + 3 x_3 x_4^2 x_5 y_2 y_4 -$$

$$3 x_3 x_4 y_2 y_4^2 y_5 - x_3 x_5 y_2 y_4^3 - x_4^3 x_5 y_2 y_3 + 3 x_4^2 y_2 y_3 y_4 y_5 + 3 x_4 x_5 y_2 y_3 y_4^2 -$$

$$y_2 y_3 y_4^3 y_5) - i b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2 x_3 x_4^3 y_5 + 3 x_2 x_3 x_4^2 x_5 y_4 - 3 x_2 x_3 x_4 y_4^3 y_5 -$$

$$x_2 x_3 x_5 y_4^3 - x_2 x_4^3 x_5 y_3 + 3 x_2 x_4^2 y_3 y_4 y_5 + 3 x_2 x_4 x_5 y_3 y_4^2 - x_2 y_3 y_4^3 y_5 - x_3 x_4^3 x_5 y_2 +$$

$$3 x_3 x_4^2 y_2 y_4 y_5 + 3 x_3 x_4 x_5 y_2 y_4^2 - x_3 y_2 y_4^3 y_5 - x_4^3 y_2 y_3 y_5 - 3 x_4^2 x_5 y_2 y_3 y_4 +$$

$$3 x_4 y_2 y_3 y_4^2 y_5 + x_5 y_2 y_3 y_4^3) + b^r_{0,0,1,0,1,0,1,0,-3,0}(x_2 x_3 x_4 x_5^3 - 3 x_2 x_3 x_4 x_5 y_5^2 +$$

$$3 x_2 x_3 x_5^2 y_4 y_5 - x_2 x_3 y_4 y_5^3 + 3 x_2 x_4 x_5^2 y_3 y_5 - x_2 x_4 y_3 y_5^3 - x_2 x_5^3 y_3 y_4 +$$

$$3 x_2 x_5 y_3 y_4 y_5^2 + 3 x_3 x_4 x_5^2 y_2 y_5 - x_3 x_4 y_2 y_5^3 - x_3 x_5^3 y_2 y_4 + 3 x_3 x_5 y_2 y_4 y_5^2 -$$

$$x_4 x_5^3 y_2 y_3 + 3 x_4 x_5 y_2 y_3 y_5^2 - 3 x_5^2 y_2 y_3 y_4 y_5 + y_2 y_3 y_4 y_5^3) -$$

$$i b^r_{0,0,1,0,1,0,1,0,-3,0}(3 x_2 x_3 x_4 x_5^2 y_5 - x_2 x_3 x_4 y_5^3 - x_2 x_3 x_5^3 y_4 + 3 x_2 x_3 x_5 y_4 y_5^2 - x_2 x_4 x_5^3 y_3 +$$

$$3 x_2 x_4 x_5 y_3 y_5^2 - 3 x_2 x_5^2 y_3 y_4 y_5 + x_2 y_3 y_4 y_5^3 - x_3 x_4 x_5^3 y_2 + 3 x_3 x_4 x_5 y_2 y_5^2 -$$

$$3 x_3 x_5^2 y_2 y_4 y_5 + x_3 y_2 y_4 y_5^3 - 3 x_4 x_5^2 y_2 y_3 y_5 + x_4 y_2 y_3 y_5^3 + x_5^3 y_2 y_3 y_4 -$$

$$3 x_5 y_2 y_3 y_4 y_5^2) + b^r_{0,0,1,0,1,0,1,0,3,0}(x_2 x_3 x_4 x_5^3 - 3 x_2 x_3 x_4 x_5 y_5^2 - 3 x_2 x_3 x_5^2 y_4 y_5 +$$

$$x_2 x_3 y_4 y_5^3 - 3 x_2 x_4 x_5^2 y_3 y_5 + x_2 x_4 y_3 y_5^3 - x_2 x_5^3 y_3 y_4 + 3 x_2 x_5 y_3 y_4 y_5^2 -$$

$$3 x_3 x_4 x_5^2 y_2 y_5 + x_3 x_4 y_2 y_5^3 - x_3 x_5^3 y_2 y_4 + 3 x_3 x_5 y_2 y_4 y_5^2 - x_4 x_5^3 y_2 y_3 +$$

$$3 x_4 x_5 y_2 y_3 y_5^2 + 3 x_5^2 y_2 y_3 y_4 y_5 - y_2 y_3 y_4 y_5^3) + i b^r_{0,0,1,0,1,0,1,0,3,0}(3 x_2 x_3 x_4 x_5^2 y_5 -$$

$$x_2 x_3 x_4 y_5^3 + x_2 x_3 x_5^3 y_4 - 3 x_2 x_3 x_5 y_4 y_5^2 + x_2 x_4 x_5^3 y_3 - 3 x_2 x_4 x_5 y_3 y_5^2 -$$

$$3 x_2 x_5^2 y_3 y_4 y_5 + x_2 y_3 y_4 y_5^3 + x_3 x_4 x_5^3 y_2 - 3 x_3 x_4 x_5 y_2 y_5^2 - 3 x_3 x_5^2 y_2 y_4 y_5 +$$

$$x_3 y_2 y_4 y_5^3 - 3 x_4 x_5^2 y_2 y_3 y_5 + x_4 y_2 y_3 y_5^3 - x_5^3 y_2 y_3 y_4 + 3 x_5 y_2 y_3 y_4 y_5^2) +$$

$$b^r_{0,0,1,0,1,0,3,0,-1,0}(x_2 x_3 x_4^3 x_5 + 3 x_2 x_3 x_4^2 y_4 y_5 - 3 x_2 x_3 x_4 x_5 y_4^2 - x_2 x_3 y_4^3 y_5 + x_2 x_4^3 y_3 y_5 -$$

$$3 x_2 x_4^2 x_5 y_3 y_4 - 3 x_2 x_4 y_3 y_4^2 y_5 + x_2 x_5 y_3 y_4^3 + x_3 x_4^3 y_2 y_5 - 3 x_3 x_4^2 x_5 y_2 y_4 -$$

$$3 x_3 x_4 y_2 y_4^2 y_5 + x_3 x_5 y_2 y_4^3 - x_4^3 x_5 y_2 y_3 - 3 x_4^2 y_2 y_3 y_4 y_5 + 3 x_4 x_5 y_2 y_3 y_4^2 +$$

$$y_2 y_3 y_4^3 y_5) - i b^r_{0,0,1,0,1,0,3,0,-1,0}(x_2 x_3 x_4^3 y_5 - 3 x_2 x_3 x_4^2 x_5 y_4 - 3 x_2 x_3 x_4 y_4^2 y_5 +$$

$$x_2 x_3 x_5 y_4^3 - x_2 x_4^3 x_5 y_3 - 3 x_2 x_4^2 y_3 y_4 y_5 + 3 x_2 x_4 x_5 y_3 y_4^2 + x_2 y_3 y_4^3 y_5 - x_3 x_4^3 x_5 y_2 -$$

$$3 x_3 x_4^2 y_2 y_4 y_5 + 3 x_3 x_4 x_5 y_2 y_4^2 + x_3 y_2 y_4^3 y_5 - x_4^3 y_2 y_3 y_5 + 3 x_4^2 x_5 y_2 y_3 y_4 +$$

$$3 x_4 y_2 y_3 y_4^2 y_5 - x_5 y_2 y_3 y_4^3) + b^r_{0,0,1,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 -$$

$$x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) +$$

$$i b^r_{0,0,1,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b^r_{0,0,1,0,3,0,1,0,-1,0}(x_2 x_3^3 x_4 x_5 + x_2 x_3^3 y_4 y_5 +$$

$$3 x_2 x_3^2 x_4 y_3 y_5 - 3 x_2 x_3^2 x_5 y_3 y_4 - 3 x_2 x_3 x_4 x_5 y_3^2 - 3 x_2 x_3 y_3^2 y_4 y_5 - x_2 x_4 y_3^3 y_5 +$$

$$x_2 x_5 y_3^3 y_4 + x_3^3 x_4 y_2 y_5 - x_3^3 x_5 y_2 y_4 - 3 x_3^2 x_4 x_5 y_2 y_3 - 3 x_3^2 y_2 y_3 y_4 y_5 -$$

$$3 x_3 x_4 y_2 y_3^2 y_5 + 3 x_3 x_5 y_2 y_3^2 y_4 + x_4 x_5 y_2 y_3^3 + y_2 y_3^3 y_4 y_5) -$$

$$i b^r_{0,0,1,0,3,0,1,0,-1,0}(x_2 x_3^3 x_4 y_5 - x_2 x_3^3 x_5 y_4 - 3 x_2 x_3^2 x_4 x_5 y_3 - 3 x_2 x_3^2 y_3 y_4 y_5 -$$

$$3 x_2 x_3 x_4 y_3^2 y_5 + 3 x_2 x_3 x_5 y_3^2 y_4 + x_2 x_4 x_5 y_3^3 + x_2 y_3^3 y_4 y_5 - x_3^3 x_4 x_5 y_2 - x_3^3 y_2 y_4 y_5 -$$

$$3 x_3^2 x_4 y_2 y_3 y_5 + 3 x_3^2 x_5 y_2 y_3 y_4 + 3 x_3 x_4 x_5 y_2 y_3^2 + 3 x_3 y_2 y_3^2 y_4 y_5 + x_4 y_2 y_3^3 y_5 -$$

$$x_5y_2y_3^3y_4) + b_{0,0,1,1,-1,0,-1,0,-1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 +$$
$$x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib_{0,0,1,1,-1,0,-1,0,-1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 +$$
$$x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$
$$b_{0,0,1,1,-1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 -$$
$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib_{0,0,1,1,-1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 -$$
$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b_{0,0,1,1,1,0,-1,0,1,0}^r(x_2^2 +$$
$$y_2^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 -$$
$$y_2y_3y_4y_5) + ib_{0,0,1,1,1,0,-1,0,1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 +$$
$$x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) - 2ib_{0,0,2,0,-2,0,0,0,-2,0}^r(x_2x_3x_5 - x_2y_3y_5 +$$
$$x_3y_2y_5 + x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3 - x_3x_5y_2 + y_2y_3y_5) + b_{0,0,2,0,-2,0,0,0,-2,0}^r(x_2x_3x_5 - x_2x_3y_5 -$$
$$x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 + x_3y_2y_5 + x_5y_2y_3 - y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 -$$
$$x_2y_3y_5 - x_3x_5y_2 + x_3y_2y_5 + x_5y_2y_3 + y_2y_3y_5) + 2ib_{0,0,2,0,-2,0,2,0,0,0}^r(x_2x_3x_4 + x_2y_3y_4 - x_3y_2y_4 +$$
$$x_4y_2y_3)(x_2x_3y_4 - x_2x_4y_3 + x_3x_4y_2 + y_2y_3y_4) + b_{0,0,2,0,-2,0,2,0,0,0}^r(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 +$$
$$x_2y_3y_4 - x_3x_4y_2 - x_3y_2y_4 + x_4y_2y_3 - y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 +$$
$$x_3x_4y_2 - x_3y_2y_4 + x_4y_2y_3 + y_2y_3y_4) - 2ib_{0,0,2,0,0,0,-2,0,-2,0}^r(x_2x_4x_5 - x_2y_4y_5 + x_4y_2y_5 +$$
$$x_5y_2y_4)(x_2x_4y_5 + x_2x_5y_4 - x_4x_5y_2 + y_2y_4y_5) + b_{0,0,2,0,0,0,-2,0,-2,0}^r(x_2x_4x_5 - x_2x_4y_5 - x_2x_5y_4 -$$
$$x_2y_4y_5 + x_4x_5y_2 + x_4y_2y_5 + x_5y_2y_4 - y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 + x_2x_5y_4 - x_2y_4y_5 -$$
$$x_4x_5y_2 + x_4y_2y_5 + x_5y_2y_4 + y_2y_4y_5) + 2ib_{0,0,2,0,0,0,0,0,0,2}^r x_2y_2(x_5^2 + y_5^2)^2 + b_{0,0,2,0,0,0,0,0,0,2}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_5^2 + y_5^2)^2 + 2ib_{0,0,2,0,0,0,0,0,1,0,1}^r x_2y_2(x_4^2 + y_4^2)(x_5^2 + y_5^2) + b_{0,0,2,0,0,0,0,0,1,0,1}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + 2ib_{0,0,2,0,0,0,0,0,2,0,0}^r x_2y_2(x_4^2 + y_4^2)^2 + b_{0,0,2,0,0,0,0,0,2,0,0}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_4^2 + y_4^2)^2 + 2ib_{0,0,2,0,0,0,2,0,2,0}^r(x_2x_4x_5 - x_2y_4y_5 - x_4y_2y_5 - x_5y_2y_4)(x_2x_4y_5 +$$
$$x_2x_5y_4 + x_4x_5y_2 - y_2y_4y_5) + b_{0,0,2,0,0,0,2,0,2,0}^r(x_2x_4x_5 - x_2x_4y_5 - x_2x_5y_4 - x_2y_4y_5 - x_4x_5y_2 -$$
$$x_4y_2y_5 - x_5y_2y_4 + y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 + x_2x_5y_4 - x_2y_4y_5 + x_4x_5y_2 - x_4y_2y_5 -$$
$$x_5y_2y_4 - y_2y_4y_5) + 2ib_{0,0,2,0,0,1,0,0,0,1}^r x_2y_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{0,0,2,0,0,1,0,0,0,1}^r(x_2 - y_2)(x_2 +$$
$$y_2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) + 2ib_{0,0,2,0,0,1,0,1,0,0}^r x_2y_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{0,0,2,0,0,1,0,1,0,0}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + 2ib_{0,0,2,0,0,2,0,0,0,0}^r x_2y_2(x_3^2 + y_3^2)^2 + b_{0,0,2,0,0,2,0,0,0,0}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_3^2 + y_3^2)^2 - 2ib_{0,0,2,0,2,0,-2,0,0,0}^r(x_2x_3x_4 + x_2y_3y_4 + x_3y_2y_4 - x_4y_2y_3)(x_2x_3y_4 -$$
$$x_2x_4y_3 - x_3x_4y_2 - y_2y_3y_4) + b_{0,0,2,0,2,0,-2,0,0,0}^r(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 + x_2y_3y_4 + x_3x_4y_2 +$$
$$x_3y_2y_4 - x_4y_2y_3 + y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 - x_3x_4y_2 + x_3y_2y_4 -$$
$$x_4y_2y_3 - y_2y_3y_4) + 2ib_{0,0,2,0,2,0,0,0,0,2,0}^r(x_2x_3x_5 - x_2y_3y_5 - x_3y_2y_5 - x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3 +$$
$$x_3x_5y_2 - y_2y_3y_5) + b_{0,0,2,0,2,0,0,0,0,2,0}^r(x_2x_3x_5 - x_2x_3y_5 - x_2x_5y_3 - x_2y_3y_5 - x_3x_5y_2 - x_3y_2y_5 -$$
$$x_5y_2y_3 + y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 - x_3y_2y_5 - x_5y_2y_3 -$$
$$y_2y_3y_5) + 2ib_{0,0,2,1,0,0,0,0,0,1}^r x_2y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{0,0,2,1,0,0,0,0,0,1}^r(x_2 - y_2)(x_2 + y_2)(x_2^2 +$$
$$y_2^2)(x_5^2 + y_5^2) + 2ib_{0,0,2,1,0,0,0,1,0,0}^r x_2y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{0,0,2,1,0,0,0,1,0,0}^r(x_2 - y_2)(x_2 +$$
$$y_2)(x_2^2 + y_2^2)(x_4^2 + y_4^2) + 2ib_{0,0,2,1,0,1,0,0,0,0}^r x_2y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{0,0,2,1,0,1,0,0,0,0}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + 2ib_{0,0,2,2,0,0,0,0,0,0}^r x_2y_2(x_2^2 + y_2^2)^2 + b_{0,0,2,2,0,0,0,0,0,0}^r(x_2 -$$
$$y_2)(x_2 + y_2)(x_2^2 + y_2^2)^2 + b_{0,0,3,0,-1,0,1,0,-1,0}^r(x_2^3x_3x_4x_5 + x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 +$$
$$x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 - 3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 -$$
$$3x_2x_3x_4x_5y_2^2 - 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5 +$$
$$x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) - ib_{0,0,3,0,-1,0,1,0,-1,0}^r(x_2^3x_3x_4y_5 - x_2^3x_3x_5y_4 +$$
$$x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 - 3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 -$$
$$3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 +$$
$$x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) + b_{0,0,3,0,1,0,-1,0,-1,0}^r(x_2^3x_3x_4x_5 -$$

$$x_2^3 x_3 y_4 y_5 + x_2^3 x_4 y_3 y_5 + x_2^3 x_5 y_3 y_4 + 3x_2^2 x_3 x_4 y_2 y_5 + 3x_2^2 x_3 x_5 y_2 y_4 -$$

$$3x_2^2 x_4 x_5 y_2 y_3 + 3x_2^2 y_2 y_3 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_2^2 + 3x_2 x_3 y_2^2 y_4 y_5 - 3x_2 x_4 y_2^2 y_3 y_5 -$$

$$3x_2 x_5 y_2^2 y_3 y_4 - x_3 x_4 y_2^3 y_5 - x_3 x_5 y_2^3 y_4 + x_4 x_5 y_2^3 y_3 - y_2^3 y_3 y_4 y_5) -$$

$$ib_{0,0,3,0,1,0,-1,0,-1,0}^r(x_2^3 x_3 x_4 y_5 + x_2^3 x_3 x_5 y_4 - x_2^3 x_4 x_5 y_3 + x_2^3 y_3 y_4 y_5 - 3x_2^2 x_3 x_4 x_5 y_2 +$$

$$3x_2^2 x_3 y_2 y_4 y_5 - 3x_2^2 x_4 y_2 y_3 y_5 - 3x_2^2 x_5 y_2 y_3 y_4 - 3x_2 x_3 x_4 y_2^2 y_5 - 3x_2 x_3 x_5 y_2^2 y_4 +$$

$$3x_2 x_4 x_5 y_2^2 y_3 - 3x_2 y_2^2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2^3 - x_3 y_2^3 y_4 y_5 + x_4 y_2^3 y_3 y_5 + x_5 y_2^3 y_3 y_4) +$$

$$b_{0,0,3,0,1,0,1,0,1,0}^r(x_2^3 x_3 x_4 x_5 - x_2^3 x_3 y_4 y_5 - x_2^3 x_4 y_3 y_5 - x_2^3 x_5 y_3 y_4 - 3x_2^2 x_3 x_4 y_2 y_5 -$$

$$3x_2^2 x_3 x_5 y_2 y_4 - 3x_2^2 x_4 x_5 y_2 y_3 + 3x_2^2 y_2 y_3 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_2^2 + 3x_2 x_3 y_2^2 y_4 y_5 +$$

$$3x_2 x_4 y_2^2 y_3 y_5 + 3x_2 x_5 y_2^2 y_3 y_4 + x_3 x_4 y_2^3 y_5 + x_3 x_5 y_2^3 y_4 + x_4 x_5 y_2^3 y_3 - y_2^3 y_3 y_4 y_5) +$$

$$ib_{0,0,3,0,1,0,1,0,1,0}^r(x_2^3 x_3 x_4 y_5 + x_2^3 x_3 x_5 y_4 + x_2^3 x_4 x_5 y_3 - x_2^3 y_3 y_4 y_5 + 3x_2^2 x_3 x_4 x_5 y_2 -$$

$$3x_2^2 x_3 y_2 y_4 y_5 - 3x_2^2 x_4 y_2 y_3 y_5 - 3x_2^2 x_5 y_2 y_3 y_4 - 3x_2 x_3 x_4 y_2^2 y_5 - 3x_2 x_3 x_5 y_2^2 y_4 -$$

$$3x_2 x_4 x_5 y_2^2 y_3 + 3x_2 y_2^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^3 + x_3 y_2^3 y_4 y_5 + x_4 y_2^3 y_3 y_5 + x_5 y_2^3 y_3 y_4) -$$

$$2ib_{0,0,4,0,0,0,0,0,-2,0}^r(x_2^2 x_5 + 2x_2 y_2 y_5 - x_5 y_2^2)(x_2^2 y_5 - 2x_2 x_5 y_2 - y_2^2 y_5) + b_{0,0,4,0,0,0,0,0,-2,0}^r(x_2^2 x_5 -$$

$$x_2^2 y_5 + 2x_2 x_5 y_2 + 2x_2 y_2 y_5 - x_5 y_2^2 + y_2^2 y_5)(x_2^2 x_5 + x_2^2 y_5 - 2x_2 x_5 y_2 + 2x_2 y_2 y_5 - x_5 y_2^2 -$$

$$y_2^2 y_5) + 2ib_{0,0,4,0,0,0,2,0,0,0}^r(x_2^2 x_4 - 2x_2 y_2 y_4 - x_4 y_2^2)(x_2^2 y_4 + 2x_2 x_4 y_2 - y_2^2 y_4) +$$

$$b_{0,0,4,0,0,0,2,0,0,0}^r(x_2^2 x_4 - x_2^2 y_4 - 2x_2 x_4 y_2 - 2x_2 y_2 y_4 - x_4 y_2^2 + y_2^2 y_4)(x_2^2 x_4 + x_2^2 y_4 +$$

$$2x_2 x_4 y_2 - 2x_2 y_2 y_4 - x_4 y_2^2 - y_2^2 y_4) + 2ib_{0,0,4,0,2,0,0,0,0,0}^r(x_2^2 x_3 - 2x_2 y_2 y_3 - x_3 y_2^2)(x_2^2 y_3 +$$

$$2x_2 x_3 y_2 - y_2^2 y_3) + b_{0,0,4,0,2,0,0,0,0,0}^r(x_2^2 x_3 - x_2^2 y_3 - 2x_2 x_3 y_2 - 2x_2 y_2 y_3 - x_3 y_2^2 +$$

$$y_2^2 y_3)(x_2^2 x_3 + x_2^2 y_3 + 2x_2 x_3 y_2 - 2x_2 y_2 y_3 - x_3 y_2^2 - y_2^2 y_3) + b_{0,1,-1,0,-1,0,-1,0,1,0}^r(x_1^2 +$$

$$y_1^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 -$$

$$y_2 y_3 y_4 y_5) + ib_{0,1,-1,0,-1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 -$$

$$x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,1,-1,0,1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_2 x_3 x_4 x_5 +$$

$$x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) -$$

$$ib_{0,1,-1,0,1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4) - 2ib_{0,1,-2,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_2 x_5 - y_2 y_5)(x_2 y_5 + x_5 y_2) +$$

$$b_{0,1,-2,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5)(x_2 x_5 + x_2 y_5 + x_5 y_2 - y_2 y_5) +$$

$$2ib_{0,1,-2,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_2 x_4 + y_2 y_4)(x_2 y_4 - x_4 y_2) + b_{0,1,-2,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_2 x_4 - x_2 y_4 +$$

$$x_4 y_2 + y_2 y_4)(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4) + 2ib_{0,1,-2,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2 x_3 + y_2 y_3)(x_2 y_3 -$$

$$x_3 y_2) + b_{0,1,-2,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3)(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3) -$$

$$4ib_{0,1,-4,0,0,0,0,0,0,0}^r x_2 y_2(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2) + b_{0,1,-4,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 - 2x_2 y_2 -$$

$$y_2^2)(x_2^2 + 2x_2 y_2 - y_2^2) - 2ib_{0,1,0,0,-2,0,0,0,0,1}^r x_3 y_3(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b_{0,1,0,0,-2,0,0,0,0,1}^r(x_1^2 +$$

$$y_1^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) - 2ib_{0,1,0,0,-2,0,0,1,0,0}^r x_3 y_3(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$b_{0,1,0,0,-2,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) - 2ib_{0,1,0,0,-2,1,0,0,0,0}^r x_3 y_3(x_1^2 + y_1^2)(x_3^2 +$$

$$y_3^2) + b_{0,1,0,0,-2,1,0,0,0,0}^r(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) - 2ib_{0,1,0,0,0,0,-2,0,0,1}^r x_4 y_4(x_1^2 +$$

$$y_1^2)(x_5^2 + y_5^2) + b_{0,1,0,0,0,0,-2,0,0,1}^r(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) -$$

$$2ib_{0,1,0,0,0,0,-2,1,0,0}^r x_4 y_4(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b_{0,1,0,0,0,0,-2,1,0,0}^r(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 +$$

$$y_4^2) - 4ib_{0,1,0,0,0,0,0,0,-4,0}^r x_5 y_5(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5) + b_{0,1,0,0,0,0,0,0,-4,0}^r(x_1^2 + y_1^2)(x_5^2 - 2x_5 y_5 -$$

$$y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) + 2ib_{0,1,0,0,0,0,0,0,0,2,1}^r x_5 y_5(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b_{0,1,0,0,0,0,0,0,2,1}^r(x_1^2 +$$

$$y_1^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + 2ib_{0,1,0,0,0,0,0,0,1,2,0}^r x_5 y_5(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$b_{0,1,0,0,0,0,0,0,1,2,0}^r(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) - 2ib_{0,1,0,0,0,0,0,2,0,-2,0}^r(x_1^2 + y_1^2)(x_4 x_5 +$$

$$y_4 y_5)(x_4 y_5 - x_5 y_4) + b_{0,1,0,0,0,0,0,2,0,-2,0}^r(x_1^2 + y_1^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 +$$

$$y_4 y_5) + 4ib_{0,1,0,0,0,0,0,4,0,0,0}^r x_4 y_4(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4) + b_{0,1,0,0,0,0,0,4,0,0,0}^r(x_1^2 + y_1^2)(x_4^2 - 2x_4 y_4 -$$

$y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) - 2ib_{0,1,0,0,0,1,-2,0,0,0}^r x_4y_4(x_1^2 + y_1^2)(x_3^2 + y_3^2) + b_{0,1,0,0,0,1,-2,0,0,0}^r(x_1^2 +$

$y_1^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) + 2ib_{0,1,0,0,0,1,0,0,2,0}^r x_5y_5(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$

$b_{0,1,0,0,0,1,0,0,2,0}^r(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) - 2ib_{0,1,0,0,0,2,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_3x_5 +$

$y_3y_5)(x_3y_5 - x_5y_3) + b_{0,1,0,0,0,2,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 +$

$y_3y_5) + 2ib_{0,1,0,0,0,2,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b_{0,1,0,0,0,2,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_3x_4 -$

$x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + 4ib_{0,1,0,0,0,4,0,0,0,0,0}^r x_3y_3(x_1^2 + y_1^2)(x_3 - y_3)(x_3 +$

$y_3) + b_{0,1,0,0,0,4,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) -$

$2ib_{0,1,0,1,-2,0,0,0,0,0,0}^r x_3y_3(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{0,1,0,1,-2,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3 - y_3)(x_3 +$

$y_3) - 2ib_{0,1,0,1,0,0,-2,0,0,0}^r x_4y_4(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{0,1,0,1,0,0,-2,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_4 -$

$y_4)(x_4 + y_4) + 2ib_{0,1,0,1,0,0,0,0,2,0}^r x_5y_5(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{0,1,0,1,0,0,0,0,2,0}^r(x_1^2 + y_1^2)(x_2^2 +$

$y_2^2)(x_5 - y_5)(x_5 + y_5) + b_{0,1,1,0,-1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 -$

$x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib_{0,1,1,0,-1,0,-1,0,-1,0}^r(x_1^2 +$

$y_1^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 +$

$x_5y_2y_3y_4) + b_{0,1,1,0,-1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 -$

$x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib_{0,1,1,0,-1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4y_5 +$

$x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) +$

$b_{0,1,1,0,1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 +$

$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib_{0,1,1,0,1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 +$

$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$

$2ib_{0,1,2,0,0,0,0,0,0,0,1}^r x_2y_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b_{0,1,2,0,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_5^2 +$

$y_5^2) + 2ib_{0,1,2,0,0,0,0,0,1,0,0}^r x_2y_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b_{0,1,2,0,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_2 - y_2)(x_2 +$

$y_2)(x_4^2 + y_4^2) + 2ib_{0,1,2,0,0,1,0,0,0,0,0}^r x_2y_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) + b_{0,1,2,0,0,1,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2 -$

$y_2)(x_2 + y_2)(x_3^2 + y_3^2) + 2ib_{0,1,2,1,0,0,0,0,0,0,0}^r x_2y_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{0,1,2,1,0,0,0,0,0,0,0}^r(x_1^2 +$

$y_1^2)(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2) - 2ib_{0,2,0,0,0,-2,0,0,0,0,0}^r x_3y_3(x_1^2 + y_1^2)^2 + b_{0,2,0,0,0,-2,0,0,0,0,0}^r(x_1^2 +$

$y_1^2)^2(x_3 - y_3)(x_3 + y_3) - 2ib_{0,2,0,0,0,0,0,-2,0,0,0}^r x_4y_4(x_1^2 + y_1^2)^2 + b_{0,2,0,0,0,0,0,-2,0,0,0}^r(x_1^2 + y_1^2)^2(x_4 -$

$y_4)(x_4 + y_4) + 2ib_{0,2,0,0,0,0,0,0,0,2,0}^r x_5y_5(x_1^2 + y_1^2)^2 + b_{0,2,0,0,0,0,0,0,0,2,0}^r(x_1^2 + y_1^2)^2(x_5 - y_5)(x_5 + y_5) +$

$2ib_{0,2,2,0,0,0,0,0,0,0,0}^r x_2y_2(x_1^2 + y_1^2)^2 + b_{0,2,2,0,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_2 - y_2)(x_2 + y_2) +$

$b_{1,0,-1,0,-2,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 -$

$y_1y_2y_3^2) - ib_{1,0,-1,0,-2,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 +$

$x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b_{1,0,-1,0,-2,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 +$

$2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - ib_{1,0,-1,0,-2,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 -$

$x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b_{1,0,-1,0,-2,1,0,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2x_3^2 -$

$x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - ib_{1,0,-1,0,-2,1,0,0,0,0,0}^r(x_3^2 +$

$y_3^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) +$

$b_{1,0,-1,0,0,0,0,-2,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 -$

$y_1y_2y_4^2) - ib_{1,0,-1,0,0,0,0,-2,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 +$

$x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b_{1,0,-1,0,0,0,0,-2,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 +$

$2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) - ib_{1,0,-1,0,0,0,0,-2,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 -$

$x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b_{1,0,-1,0,0,0,0,0,0,-4,0}^r(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 +$

$x_1x_2y_5^4 - 4x_1x_5^3y_2y_5 + 4x_1x_5y_2y_5^3 + 4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 + x_5^4y_1y_2 -$

$6x_5^2y_1y_2y_5^2 + y_1y_2y_5^4) - ib_{1,0,-1,0,0,0,0,0,0,-4,0}^r(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 + x_1x_5^4y_2 -$

$6x_1x_5^2y_2y_5^2 + x_1y_2y_5^4 - x_2x_5^4y_1 + 6x_2x_5^2y_1y_5^2 - x_2y_1y_5^4 + 4x_5^3y_1y_2y_5 -$

$$4x_5y_1y_2y_5^3) + b_{1,0,-1,0,0,0,0,0,2,1}^r(x_5^2 + y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 +$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) + ib_{1,0,-1,0,0,0,0,0,2,1}^r(x_5^2 + y_5^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 +$$

$$x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{1,0,-1,0,0,0,0,1,2,0}^r(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 +$$

$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + ib_{1,0,-1,0,0,0,0,1,2,0}^r(x_4^2 + y_4^2)(2x_1x_2x_5y_5 -$$

$$x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{1,0,-1,0,0,0,0,2,0,-2,0}^r(x_1x_2x_4^2x_5^2 -$$

$$x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 - 2x_1x_4^2x_5y_2y_5 +$$

$$2x_1x_4x_5^2y_2y_4 - 2x_1x_4y_2y_4y_5^2 + 2x_1x_5y_2y_4^2y_5 + 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 +$$

$$2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 + x_4^2x_5^2y_1y_2 - x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 -$$

$$x_5^2y_1y_2y_4^2 + y_1y_2y_4^2y_5^2) - ib_{1,0,-1,0,0,0,0,2,0,-2,0}^r(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4 +$$

$$2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 + x_1x_4^2x_5^2y_2 - x_1x_4^2y_2y_5^2 + 4x_1x_4x_5y_2y_4y_5 -$$

$$x_1x_5^2y_2y_4^2 + x_1y_2y_4^2y_5^2 - x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5 +$$

$$x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2 + 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2 -$$

$$2x_5y_1y_2y_4^2y_5) + b_{1,0,-1,0,0,0,4,0,0,0}^r(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 + 4x_1x_4^3y_2y_4 -$$

$$4x_1x_4y_2y_4^3 - 4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 + x_4^4y_1y_2 - 6x_4^2y_1y_2y_4^2 + y_1y_2y_4^4) +$$

$$ib_{1,0,-1,0,0,0,4,0,0,0}^r(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 - x_1x_4^4y_2 + 6x_1x_4^2y_2y_4^2 - x_1y_2y_4^4 +$$

$$x_2x_4^4y_1 - 6x_2x_4^2y_1y_4^2 + x_2y_1y_4^4 + 4x_4^3y_1y_2y_4 - 4x_4y_1y_2y_4^3) + b_{1,0,-1,0,0,1,-2,0,0,0}^r(x_3^2 +$$

$$y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) -$$

$$ib_{1,0,-1,0,0,1,-2,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 +$$

$$2x_4y_1y_2y_4) + b_{1,0,-1,0,0,1,0,0,2,0}^r(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 +$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) + ib_{1,0,-1,0,0,1,0,0,2,0}^r(x_3^2 + y_3^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 +$$

$$x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{1,0,-1,0,2,0,0,0,-2,0}^r(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 +$$

$$4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 - 2x_1x_3^2x_5y_2y_5 + 2x_1x_3x_5^2y_2y_3 -$$

$$2x_1x_3y_2y_3y_5^2 + 2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 -$$

$$2x_2x_5y_1y_3^2y_5 + x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2 +$$

$$y_1y_2y_3^2y_5^2) - ib_{1,0,-1,0,2,0,0,0,-2,0}^r(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 -$$

$$2x_1x_2x_5y_3^2y_5 + x_1x_3^2x_5^2y_2 - x_1x_3^2y_2y_5^2 + 4x_1x_3x_5y_2y_3y_5 - x_1x_5^2y_2y_3^2 +$$

$$x_1y_2y_3^2y_5^2 - x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5 + x_2x_5^2y_1y_3^2 -$$

$$x_2y_1y_3^2y_5^2 + 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 - 2x_5y_1y_2y_3^2y_5) +$$

$$b_{1,0,-1,0,2,0,2,0,0,0}^r(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$$

$$x_1x_2y_3^2y_4^2 + 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2 - 2x_1x_4y_2y_3^2y_4 -$$

$$2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 -$$

$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) +$$

$$ib_{1,0,-1,0,2,0,2,0,0,0}^r(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 -$$

$$x_1x_3^2x_4^2y_2 + x_1x_3^2y_2y_4^2 + 4x_1x_3x_4y_2y_3y_4 + x_1x_4^2y_2y_3^2 - x_1y_2y_3^2y_4^2 +$$

$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2 +$$

$$2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 - 2x_4y_1y_2y_3^2y_4) +$$

$$b_{1,0,-1,0,4,0,0,0,0,0}^r(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 + 4x_1x_3^3y_2y_3 - 4x_1x_3y_2y_3^3 -$$

$$4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 + x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) +$$

$$ib_{1,0,-1,0,4,0,0,0,0,0}^r(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 - x_1x_3^4y_2 + 6x_1x_3^2y_2y_3^2 - x_1y_2y_3^4 +$$

$$x_2x_3^4y_1 - 6x_2x_3^2y_1y_3^2 + x_2y_1y_3^4 + 4x_3^3y_1y_2y_3 - 4x_3y_1y_2y_3^3) + b_{1,0,-1,1,-2,0,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) -$$

$$ib_{1,0,-1,1,-2,0,0,0,0,0}^r(x_2^2 + y_2^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 +$$

$$2x_3y_1y_2y_3) + b^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 +$$

$$x_4^2y_1y_2 - y_1y_2y_4^2) - ib^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 -$$

$$x_2x_4^2y_1 + x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{1,0,-1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 +$$

$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + ib^r_{1,0,-1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 -$$

$$x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,0,-2,0,-1,0,-1,0,1,0}(x_1x_2^2x_3x_4x_5 +$$

$$x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 -$$

$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 +$$

$$x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 +$$

$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 -$$

$$x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) + ib^r_{1,0,-2,0,-1,0,-1,0,1,0}(x_1x_2^2x_3x_4y_5 -$$

$$x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 -$$

$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 +$$

$$x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 +$$

$$2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 -$$

$$x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{1,0,-2,0,1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 +$$

$$x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 +$$

$$2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 +$$

$$x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 +$$

$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 +$$

$$x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) - ib^r_{1,0,-2,0,1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 -$$

$$x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 +$$

$$2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 +$$

$$x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 +$$

$$2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 +$$

$$x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b^r_{1,0,-3,0,0,0,0,0,-2,0}(x_1x_2^3x_5^2 - x_1x_2^3y_5^2 -$$

$$6x_1x_2^2x_5y_2y_5 - 3x_1x_2x_5^2y_2^2 + 3x_1x_2y_2^2y_5^2 + 2x_1x_5y_2^3y_5 + 2x_2^3x_5y_1y_5 +$$

$$3x_2^2x_5^2y_1y_2 - 3x_2^2y_1y_2y_5^2 - 6x_2x_5y_1y_2^2y_5 - x_5^2y_1y_2^3 + y_1y_2^3y_5^2) -$$

$$ib^r_{1,0,-3,0,0,0,0,0,-2,0}(2x_1x_2^3x_5y_5 + 3x_1x_2^2x_5^2y_2 - 3x_1x_2^2y_2y_5^2 - 6x_1x_2x_5y_2^2y_5 -$$

$$x_1x_5^2y_2^3 + x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2 + 6x_2^2x_5y_1y_2y_5 + 3x_2x_5^2y_1y_2^2 -$$

$$3x_2y_1y_2^2y_5^2 - 2x_5y_1y_2^3y_5) + b^r_{1,0,-3,0,0,0,2,0,0,0}(x_1x_2^3x_4^2 - x_1x_2^3y_4^2 + 6x_1x_2^2x_4y_2y_4 -$$

$$3x_1x_2x_4^2y_2^2 + 3x_1x_2y_2^2y_4^2 - 2x_1x_4y_2^3y_4 - 2x_2^3x_4y_1y_4 + 3x_2^2x_4^2y_1y_2 -$$

$$3x_2^2y_1y_2y_4^2 + 6x_2x_4y_1y_2^2y_4 - x_4^2y_1y_2^3 + y_1y_2^3y_4^2) + ib^r_{1,0,-3,0,0,0,2,0,0,0}(2x_1x_2^3x_4y_4 -$$

$$3x_1x_2^2x_4^2y_2 + 3x_1x_2^2y_2y_4^2 - 6x_1x_2x_4y_2^2y_4 + x_1x_4^2y_2^3 - x_1y_2^3y_4^2 + x_2^3x_4^2y_1 -$$

$$x_2^3y_1y_4^2 + 6x_2^2x_4y_1y_2y_4 - 3x_2x_4^2y_1y_2^2 + 3x_2y_1y_2^2y_4^2 - 2x_4y_1y_2^3y_4) +$$

$$b^r_{1,0,-3,0,2,0,0,0,0,0}(x_1x_2^3x_3^2 - x_1x_2^3y_3^2 + 6x_1x_2^2x_3y_2y_3 - 3x_1x_2x_3^2y_2^2 + 3x_1x_2y_2^2y_3^2 -$$

$$2x_1x_3y_2^3y_3 - 2x_2^3x_3y_1y_3 + 3x_2^2x_3^2y_1y_2 - 3x_2^2y_1y_2y_3^2 + 6x_2x_3y_1y_2^2y_3 -$$

$$x_3^2y_1y_2^3 + y_1y_2^3y_3^2) + ib^r_{1,0,-3,0,2,0,0,0,0,0}(2x_1x_2^3x_3y_3 - 3x_1x_2^2x_3^2y_2 + 3x_1x_2^2y_2y_3^2 -$$

$$6x_1x_2x_3y_2^2y_3 + x_1x_3^2y_2^3 - x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2 + 6x_2^2x_3y_1y_2y_3 -$$

$$3x_2x_3^2y_1y_2^2 + 3x_2y_1y_2^2y_3^2 - 2x_3y_1y_2^3y_3) + b^r_{1,0,-5,0,0,0,0,0,0,0}(x_1x_2^5 - 10x_1x_2^3y_2^2 +$$

$$5x_1x_2y_2^4 + 5x_2^4y_1y_2 - 10x_2^2y_1y_2^3 + y_1y_2^5) - ib^r_{1,0,-5,0,0,0,0,0,0,0}(5x_1x_2^4y_2 - 10x_1x_2^2y_2^3 +$$

$$x_1y_2^5 - x_2^5y_1 + 10x_2^3y_1y_2^2 - 5x_2y_1y_2^4) + b^r_{1,0,0,0,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 -$$

$$x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$

$ib^r_{1,0,0,0,-1,0,-1,0,-1,1}(x_5^2+y_5^2)(x_1x_3x_4y_5+x_1x_3x_5y_4+x_1x_4x_5y_3-x_1y_3y_4y_5-x_3x_4x_5y_1+$
$x_3y_1y_4y_5+x_4y_1y_3y_5+x_5y_1y_3y_4)+b^r_{1,0,0,0,-1,0,-1,1,-1,0}(x_4^2+y_4^2)(x_1x_3x_4x_5-x_1x_3y_4y_5-$
$x_1x_4y_3y_5-x_1x_5y_3y_4+x_3x_4y_1y_5+x_3x_5y_1y_4+x_4x_5y_1y_3-y_1y_3y_4y_5)-$
$ib^r_{1,0,0,0,-1,0,-1,1,-1,0}(x_4^2+y_4^2)(x_1x_3x_4y_5+x_1x_3x_5y_4+x_1x_4x_5y_3-x_1y_3y_4y_5-x_3x_4x_5y_1+$
$x_3y_1y_4y_5+x_4y_1y_3y_5+x_5y_1y_3y_4)+b^r_{1,0,0,0,-1,0,1,0,1,1}(x_5^2+y_5^2)(x_1x_3x_4x_5-x_1x_3y_4y_5+$
$x_1x_4y_3y_5+x_1x_5y_3y_4-x_3x_4y_1y_5-x_3x_5y_1y_4+x_4x_5y_1y_3-y_1y_3y_4y_5)+$
$ib^r_{1,0,0,0,-1,0,1,0,1,1}(x_5^2+y_5^2)(x_1x_3x_4y_5+x_1x_3x_5y_4-x_1x_4x_5y_3+x_1y_3y_4y_5+x_3x_4x_5y_1-$
$x_3y_1y_4y_5+x_4y_1y_3y_5+x_5y_1y_3y_4)+b^r_{1,0,0,0,-1,0,1,1,1,0}(x_4^2+y_4^2)(x_1x_3x_4x_5-x_1x_3y_4y_5+$
$x_1x_4y_3y_5+x_1x_5y_3y_4-x_3x_4y_1y_5-x_3x_5y_1y_4+x_4x_5y_1y_3-y_1y_3y_4y_5)+$
$ib^r_{1,0,0,0,-1,0,1,1,1,0}(x_4^2+y_4^2)(x_1x_3x_4y_5+x_1x_3x_5y_4-x_1x_4x_5y_3+x_1y_3y_4y_5+x_3x_4x_5y_1-$
$x_3y_1y_4y_5+x_4y_1y_3y_5+x_5y_1y_3y_4)+b^r_{1,0,0,0,-1,1,-1,0,-1,0}(x_3^2+y_3^2)(x_1x_3x_4x_5-x_1x_3y_4y_5-$
$x_1x_4y_3y_5-x_1x_5y_3y_4+x_3x_4y_1y_5+x_3x_5y_1y_4+x_4x_5y_1y_3-y_1y_3y_4y_5)-$
$ib^r_{1,0,0,0,-1,1,-1,0,-1,0}(x_3^2+y_3^2)(x_1x_3x_4y_5+x_1x_3x_5y_4+x_1x_4x_5y_3-x_1y_3y_4y_5-x_3x_4x_5y_1+$
$x_3y_1y_4y_5+x_4y_1y_3y_5+x_5y_1y_3y_4)+b^r_{1,0,0,0,-1,1,1,0,1,0}(x_3^2+y_3^2)(x_1x_3x_4x_5-x_1x_3y_4y_5+$
$x_1x_4y_3y_5+x_1x_5y_3y_4-x_3x_4y_1y_5-x_3x_5y_1y_4+x_4x_5y_1y_3-y_1y_3y_4y_5)+$
$ib^r_{1,0,0,0,-1,1,1,0,1,0}(x_3^2+y_3^2)(x_1x_3x_4y_5+x_1x_3x_5y_4-x_1x_4x_5y_3+x_1y_3y_4y_5+x_3x_4x_5y_1-$
$x_3y_1y_4y_5+x_4y_1y_3y_5+x_5y_1y_3y_4)+b^r_{1,0,0,0,-3,0,1,0,-1,0}(x_1x_3^3x_4x_5+x_1x_3^3y_4y_5-$
$3x_1x_3^2x_4y_3y_5+3x_1x_3^2x_5y_3y_4-3x_1x_3x_4x_5y_3^2-3x_1x_3y_3^2y_4y_5+x_1x_4y_3^3y_5-$
$x_1x_5y_3^3y_4+x_3^3x_4y_1y_5-x_3^3x_5y_1y_4+3x_3^2x_4x_5y_1y_3+3x_3^2y_1y_3y_4y_5-$
$3x_3x_4y_1y_3^2y_5+3x_3x_5y_1y_3^2y_4-x_4x_5y_1y_3^3-y_1y_3^3y_4y_5)-$
$ib^r_{1,0,0,0,-3,0,1,0,-1,0}(x_1x_3^3x_4y_5-x_1x_3^3x_5y_4+3x_1x_3^2x_4x_5y_3+3x_1x_3^2y_3y_4y_5-$
$3x_1x_3x_4y_3^2y_5+3x_1x_3x_5y_3^2y_4-x_1x_4x_5y_3^3-x_1y_3^3y_4y_5-x_3^3x_4x_5y_1-x_3^3y_1y_4y_5+$
$3x_3^2x_4y_1y_3y_5-3x_3^2x_5y_1y_3y_4+3x_3x_4x_5y_1y_3^2+3x_3y_1y_3^2y_4y_5-x_4y_1y_3^3y_5+$
$x_5y_1y_3^3y_4)+b^r_{1,0,0,0,1,0,-1,0,1,1}(x_5^2+y_5^2)(x_1x_3x_4x_5+x_1x_3y_4y_5-x_1x_4y_3y_5+x_1x_5y_3y_4-$
$x_3x_4y_1y_5+x_3x_5y_1y_4-x_4x_5y_1y_3-y_1y_3y_4y_5)+ib^r_{1,0,0,0,1,0,-1,0,1,1}(x_5^2+y_5^2)(x_1x_3x_4y_5-$
$x_1x_3x_5y_4+x_1x_4x_5y_3+x_1y_3y_4y_5+x_3x_4x_5y_1+x_3y_1y_4y_5-x_4y_1y_3y_5+x_5y_1y_3y_4)+$
$b^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2+y_4^2)(x_1x_3x_4x_5+x_1x_3y_4y_5-x_1x_4y_3y_5+x_1x_5y_3y_4-x_3x_4y_1y_5+$
$x_3x_5y_1y_4-x_4x_5y_1y_3-y_1y_3y_4y_5)+ib^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2+y_4^2)(x_1x_3x_4y_5-x_1x_3x_5y_4+$
$x_1x_4x_5y_3+x_1y_3y_4y_5+x_3x_4x_5y_1+x_3y_1y_4y_5-x_4y_1y_3y_5+x_5y_1y_3y_4)+$
$b^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3x_5-3x_1x_3x_4^2y_4y_5-3x_1x_3x_4x_5y_4^2+x_1x_3y_4^3y_5+x_1x_4^3y_3y_5+$
$3x_1x_4^2x_5y_3y_4-3x_1x_4y_3y_4^2y_5-x_1x_5y_3y_4^3+x_3x_4^3y_1y_5+3x_3x_4^2x_5y_1y_4-$
$3x_3x_4y_1y_4^2y_5-x_3x_5y_1y_4^3-x_4^3x_5y_1y_3+3x_4^2y_1y_3y_4y_5+3x_4x_5y_1y_3y_4^2-$
$y_1y_3y_4^3y_5)-ib^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3y_5+3x_1x_3x_4^2x_5y_4-3x_1x_3x_4y_4^2y_5-$
$x_1x_3x_5y_4^3-x_1x_4^3x_5y_3+3x_1x_4^2y_3y_4y_5+3x_1x_4x_5y_3y_4^2-x_1y_3y_4^3y_5-x_3x_4^3x_5y_1+$
$3x_3x_4^2y_1y_4y_5+3x_3x_4x_5y_1y_4^2-x_3y_1y_4^3y_5-x_4^3y_1y_3y_5-3x_4^2x_5y_1y_3y_4+$
$3x_4y_1y_3y_4^2y_5+x_5y_1y_3y_4^3)+b^r_{1,0,0,0,1,0,1,0,1,0,-3,0}(x_1x_3x_4x_5^3-3x_1x_3x_4x_5y_5^2+$
$3x_1x_3x_5^2y_4y_5-x_1x_3y_4y_5^3+3x_1x_4x_5^2y_3y_5-x_1x_4y_3y_5^3-x_1x_5^3y_3y_4+$
$3x_1x_5y_3y_4y_5^2+3x_3x_4x_5^2y_1y_5-x_3x_4y_1y_5^3-x_3x_5^3y_1y_4+3x_3x_5y_1y_4y_5^2-$
$x_4x_5^3y_1y_3+3x_4x_5y_1y_3y_5^2-3x_5^2y_1y_3y_4y_5+y_1y_3y_4y_5^3)-$
$ib^r_{1,0,0,0,1,0,1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5-x_1x_3x_4y_5^3-x_1x_3x_5^3y_4+3x_1x_3x_5y_4y_5^2-x_1x_4x_5^3y_3+$
$3x_1x_4x_5y_3y_5^2-3x_1x_5^2y_3y_4y_5+x_1y_3y_4y_5^3-x_3x_4x_5^3y_1+3x_3x_4x_5y_1y_5^2-$
$3x_3x_5^2y_1y_4y_5+x_3y_1y_4y_5^3-3x_4x_5^2y_1y_3y_5+x_4y_1y_3y_5^3+x_5^3y_1y_3y_4-$

$$3x_5y_1y_3y_4y_5^2) + b^r_{1,0,0,0,1,0,1,0,3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 +$$

$$x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 + 3x_1x_5y_3y_4y_5^2 -$$

$$3x_3x_4x_5^2y_1y_5 + x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 +$$

$$3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) + ib^r_{1,0,0,0,1,0,1,0,3,0}(3x_1x_3x_4x_5^2y_5 -$$

$$x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 -$$

$$3x_1x_5^2y_3y_4y_5 + x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 +$$

$$x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) +$$

$$b^r_{1,0,0,0,1,0,3,0,-1,0}(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 -$$

$$3x_1x_4^2x_5y_3y_4 - 3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 -$$

$$3x_3x_4y_1y_4^2y_5 + x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 +$$

$$y_1y_3y_4^3y_5) - ib^r_{1,0,0,0,1,0,3,0,-1,0}(x_1x_3x_4^3y_5 - 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 +$$

$$x_1x_3x_5y_4^3 - x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 + 3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 -$$

$$3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 + x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 +$$

$$3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) + b^r_{1,0,0,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 -$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) +$$

$$ib^r_{1,0,0,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 +$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,0,0,3,0,1,0,-1,0}(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5 +$$

$$3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 +$$

$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 -$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) -$$

$$ib^r_{1,0,0,0,3,0,1,0,-1,0}(x_1x_3^3x_4y_5 - x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 - 3x_1x_3^2y_3y_4y_5 -$$

$$3x_1x_3x_4y_3^2y_5 + 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 -$$

$$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 -$$

$$x_5y_1y_3^3y_4) + b^r_{1,0,0,1,-1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 +$$

$$x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - ib^r_{1,0,0,1,-1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 +$$

$$x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 -$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + ib^r_{1,0,0,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 -$$

$$x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,0,1,1,0,-1,0,1,0}(x_2^2 +$$

$$y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 -$$

$$y_1y_3y_4y_5) + ib^r_{1,0,0,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 +$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,1,0,-2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 -$$

$$x_1x_2x_3^2y_5^2 - 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 +$$

$$2x_1x_3x_5^2y_2y_3 - 2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 -$$

$$2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2 + x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 +$$

$$x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) - ib^r_{1,0,1,0,-2,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5 + 2x_1x_2x_3x_5^2y_3 -$$

$$2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 - x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 + 4x_1x_3x_5y_2y_3y_5 +$$

$$x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2 - x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 + 4x_2x_3x_5y_1y_3y_5 +$$

$$x_2x_5^2y_1y_3^2 - x_2y_1y_3^2y_5^2 - 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 +$$

$$2x_5y_1y_2y_3y_5^2y_5) + b^r_{1,0,1,0,-2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 + 4x_1x_2x_3x_4y_3y_4 -$$

$$x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2 +$$

$$2x_1x_4y_2y_3^2y_4 - 2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 -$$

$x_3^2 x_4^2 y_1 y_2 + x_3^2 y_1 y_2 y_4^2 - 4 x_3 x_4 y_1 y_2 y_3 y_4 + x_4^2 y_1 y_2 y_3^2 - y_1 y_2 y_3^2 y_4^2) +$

$i b_{1,0,1,0,-2,0,2,0,0,0}^r (2 x_1 x_2 x_3^2 x_4 y_4 - 2 x_1 x_2 x_3 x_4^2 y_3 + 2 x_1 x_2 x_3 y_3 y_4^2 - 2 x_1 x_2 x_4 y_3^2 y_4 +$

$x_1 x_3^2 x_4^2 y_2 - x_1 x_3^2 y_2 y_4^2 + 4 x_1 x_3 x_4 y_2 y_3 y_4 - x_1 x_4^2 y_2 y_3^2 + x_1 y_2 y_3^2 y_4^2 +$

$x_2 x_3^2 x_4^2 y_1 - x_2 x_3^2 y_1 y_4^2 + 4 x_2 x_3 x_4 y_1 y_3 y_4 - x_2 x_4^2 y_1 y_3^2 + x_2 y_1 y_3^2 y_4^2 -$

$2 x_3^2 x_4 y_1 y_2 y_4 + 2 x_3 x_4^2 y_1 y_2 y_3 - 2 x_3 y_1 y_2 y_3 y_4^2 + 2 x_4 y_1 y_2 y_3^2 y_4) +$

$b_{1,0,1,0,0,0,-2,0,-2,0}^r (x_1 x_2 x_4^2 x_5^2 - x_1 x_2 x_4^2 y_5^2 - 4 x_1 x_2 x_4 x_5 y_4 y_5 - x_1 x_2 x_5^2 y_4^2 +$

$x_1 x_2 y_4^2 y_5^2 + 2 x_1 x_4^2 x_5 y_2 y_5 + 2 x_1 x_4 x_5^2 y_2 y_4 - 2 x_1 x_4 y_2 y_4 y_5^2 - 2 x_1 x_5 y_2 y_4^2 y_5 +$

$2 x_2 x_4^2 x_5 y_1 y_5 + 2 x_2 x_4 x_5^2 y_1 y_4 - 2 x_2 x_4 y_1 y_4 y_5^2 - 2 x_2 x_5 y_1 y_4^2 y_5 - x_4^2 x_5^2 y_1 y_2 +$

$x_4^2 y_1 y_2 y_5^2 + 4 x_4 x_5 y_1 y_2 y_4 y_5 + x_5^2 y_1 y_2 y_4^2 - y_1 y_2 y_4^2 y_5^2) -$

$i b_{1,0,1,0,0,0,-2,0,-2,0}^r (2 x_1 x_2 x_4^2 x_5 y_5 + 2 x_1 x_2 x_4 x_5^2 y_4 - 2 x_1 x_2 x_4 y_4 y_5^2 - 2 x_1 x_2 x_5 y_4^2 y_5 -$

$x_1 x_4^2 x_5^2 y_2 + x_1 x_4^2 y_2 y_5^2 + 4 x_1 x_4 x_5 y_2 y_4 y_5 + x_1 x_5^2 y_2 y_4^2 - x_1 y_2 y_4^2 y_5^2 -$

$x_2 x_4^2 x_5^2 y_1 + x_2 x_4^2 y_1 y_5^2 + 4 x_2 x_4 x_5 y_1 y_4 y_5 + x_2 x_5^2 y_1 y_4^2 - x_2 y_1 y_4^2 y_5^2 -$

$2 x_4^2 x_5 y_1 y_2 y_5 - 2 x_4 x_5^2 y_1 y_2 y_4 + 2 x_4 y_1 y_2 y_4 y_5^2 + 2 x_5 y_1 y_2 y_4^2 y_5) + b_{1,0,1,0,0,0,0,0,0,2}^r (x_5^2 +$

$y_5^2)^2 (x_1 x_2 - y_1 y_2) + i b_{1,0,1,0,0,0,0,0,0,2}^r (x_5^2 + y_5^2)^2 (x_1 y_2 + x_2 y_1) + b_{1,0,1,0,0,0,0,1,0,1}^r (x_4^2 + y_4^2)(x_5^2 +$

$y_5^2)(x_1 x_2 - y_1 y_2) + i b_{1,0,1,0,0,0,0,1,0,1}^r (x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1 y_2 + x_2 y_1) + b_{1,0,1,0,0,0,0,2,0,0}^r (x_4^2 +$

$y_4^2)^2 (x_1 x_2 - y_1 y_2) + i b_{1,0,1,0,0,0,0,2,0,0}^r (x_4^2 + y_4^2)^2 (x_1 y_2 + x_2 y_1) + b_{1,0,1,0,0,0,2,0,2,0}^r (x_1 x_2 x_4^2 x_5^2 -$

$x_1 x_2 x_4^2 y_5^2 - 4 x_1 x_2 x_4 x_5 y_4 y_5 - x_1 x_2 x_5^2 y_4^2 + x_1 x_2 y_4^2 y_5^2 - 2 x_1 x_4^2 x_5 y_2 y_5 -$

$2 x_1 x_4 x_5^2 y_2 y_4 + 2 x_1 x_4 y_2 y_4 y_5^2 + 2 x_1 x_5 y_2 y_4^2 y_5 - 2 x_2 x_4^2 x_5 y_1 y_5 - 2 x_2 x_4 x_5^2 y_1 y_4 +$

$2 x_2 x_4 y_1 y_4 y_5^2 + 2 x_2 x_5 y_1 y_4^2 y_5 - x_4^2 x_5^2 y_1 y_2 + x_4^2 y_1 y_2 y_5^2 + 4 x_4 x_5 y_1 y_2 y_4 y_5 +$

$x_5^2 y_1 y_2 y_4^2 - y_1 y_2 y_4^2 y_5^2) + i b_{1,0,1,0,0,0,2,0,2,0}^r (2 x_1 x_2 x_4^2 x_5 y_5 + 2 x_1 x_2 x_4 x_5^2 y_4 -$

$2 x_1 x_2 x_4 y_4 y_5^2 - 2 x_1 x_2 x_5 y_4^2 y_5 + x_1 x_4^2 x_5^2 y_2 - x_1 x_4^2 y_2 y_5^2 - 4 x_1 x_4 x_5 y_2 y_4 y_5 -$

$x_1 x_5^2 y_2 y_4^2 + x_1 y_2 y_4^2 y_5^2 + x_2 x_4^2 x_5^2 y_1 - x_2 x_4^2 y_1 y_5^2 - 4 x_2 x_4 x_5 y_1 y_4 y_5 -$

$x_2 x_5^2 y_1 y_4^2 + x_2 y_1 y_4^2 y_5^2 - 2 x_4^2 x_5 y_1 y_2 y_5 - 2 x_4 x_5^2 y_1 y_2 y_4 + 2 x_4 y_1 y_2 y_4 y_5^2 +$

$2 x_5 y_1 y_2 y_4^2 y_5) + b_{1,0,1,0,0,1,0,0,0,1}^r (x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1 x_2 - y_1 y_2) + i b_{1,0,1,0,0,1,0,0,0,1}^r (x_3^2 +$

$y_3^2)(x_5^2 + y_5^2)(x_1 y_2 + x_2 y_1) + b_{1,0,1,0,0,1,0,1,0,0}^r (x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1 x_2 - y_1 y_2) +$

$i b_{1,0,1,0,0,1,0,1,0,0}^r (x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1 y_2 + x_2 y_1) + b_{1,0,1,0,0,2,0,0,0,0}^r (x_3^2 + y_3^2)^2 (x_1 x_2 - y_1 y_2) +$

$i b_{1,0,1,0,0,2,0,0,0,0}^r (x_3^2 + y_3^2)^2 (x_1 y_2 + x_2 y_1) + b_{1,0,1,0,2,0,-2,0,0,0}^r (x_1 x_2 x_3^2 x_4^2 - x_1 x_2 x_3^2 y_4^2 +$

$4 x_1 x_2 x_3 x_4 y_3 y_4 - x_1 x_2 x_4^2 y_3^2 + x_1 x_2 y_3^2 y_4^2 + 2 x_1 x_3^2 x_4 y_2 y_4 - 2 x_1 x_3 x_4^2 y_2 y_3 +$

$2 x_1 x_3 y_2 y_3 y_4^2 - 2 x_1 x_4 y_2 y_3^2 y_4 + 2 x_2 x_3^2 x_4 y_1 y_4 - 2 x_2 x_3 x_4^2 y_1 y_3 + 2 x_2 x_3 y_1 y_3 y_4^2 -$

$2 x_2 x_4 y_1 y_3^2 y_4 - x_3^2 x_4^2 y_1 y_2 + x_3^2 y_1 y_2 y_4^2 - 4 x_3 x_4 y_1 y_2 y_3 y_4 + x_4^2 y_1 y_2 y_3^2 -$

$y_1 y_2 y_3^2 y_4^2) - i b_{1,0,1,0,2,0,-2,0,0,0}^r (2 x_1 x_2 x_3^2 x_4 y_4 - 2 x_1 x_2 x_3 x_4^2 y_3 + 2 x_1 x_2 x_3 y_3 y_4^2 -$

$2 x_1 x_2 x_4 y_3^2 y_4 - x_1 x_3^2 x_4^2 y_2 + x_1 x_3^2 y_2 y_4^2 - 4 x_1 x_3 x_4 y_2 y_3 y_4 + x_1 x_4^2 y_2 y_3^2 -$

$x_1 y_2 y_3^2 y_4^2 - x_2 x_3^2 x_4^2 y_1 + x_2 x_3^2 y_1 y_4^2 - 4 x_2 x_3 x_4 y_1 y_3 y_4 + x_2 x_4^2 y_1 y_3^2 -$

$x_2 y_1 y_3^2 y_4^2 - 2 x_3^2 x_4 y_1 y_2 y_4 + 2 x_3 x_4^2 y_1 y_2 y_3 - 2 x_3 y_1 y_2 y_3 y_4^2 + 2 x_4 y_1 y_2 y_3^2 y_4) +$

$b_{1,0,1,0,2,0,0,0,0,2,0}^r (x_1 x_2 x_3^2 x_5^2 - x_1 x_2 x_3^2 y_5^2 - 4 x_1 x_2 x_3 x_5 y_3 y_5 - x_1 x_2 x_5^2 y_3^2 +$

$x_1 x_2 y_3^2 y_5^2 - 2 x_1 x_3^2 x_5 y_2 y_5 - 2 x_1 x_3 x_5^2 y_2 y_3 + 2 x_1 x_3 y_2 y_3 y_5^2 + 2 x_1 x_5 y_2 y_3^2 y_5 -$

$2 x_2 x_3^2 x_5 y_1 y_5 - 2 x_2 x_3 x_5^2 y_1 y_3 + 2 x_2 x_3 y_1 y_3 y_5^2 + 2 x_2 x_5 y_1 y_3^2 y_5 - x_3^2 x_5^2 y_1 y_2 +$

$x_3^2 y_1 y_2 y_5^2 + 4 x_3 x_5 y_1 y_2 y_3 y_5 + x_5^2 y_1 y_2 y_3^2 - y_1 y_2 y_3^2 y_5^2) +$

$i b_{1,0,1,0,2,0,0,0,0,2,0}^r (2 x_1 x_2 x_3^2 x_5 y_5 + 2 x_1 x_2 x_3 x_5^2 y_3 - 2 x_1 x_2 x_3 y_3 y_5^2 - 2 x_1 x_2 x_5 y_3^2 y_5 +$

$x_1 x_3^2 x_5^2 y_2 - x_1 x_3^2 y_2 y_5^2 - 4 x_1 x_3 x_5 y_2 y_3 y_5 - x_1 x_5^2 y_2 y_3^2 + x_1 y_2 y_3^2 y_5^2 +$

$x_2 x_3^2 x_5^2 y_1 - x_2 x_3^2 y_1 y_5^2 - 4 x_2 x_3 x_5 y_1 y_3 y_5 - x_2 x_5^2 y_1 y_3^2 + x_2 y_1 y_3^2 y_5^2 -$

$2 x_3^2 x_5 y_1 y_2 y_5 - 2 x_3 x_5^2 y_1 y_2 y_3 + 2 x_3 y_1 y_2 y_3 y_5^2 + 2 x_5 y_1 y_2 y_3^2 y_5) + b_{1,0,1,1,0,0,0,0,0,1}^r (x_2^2 +$

$$y_2^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) + ib_{1,0,1,1,0,0,0,0,0,0,1}^r(x_2^2 + y_2^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) +$$

$$b_{1,0,1,1,0,0,0,1,0,0}^r(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_1x_2 - y_1y_2) + ib_{1,0,1,1,0,0,0,1,0,0}^r(x_2^2 + y_2^2)(x_4^2 +$$

$$y_4^2)(x_1y_2 + x_2y_1) + b_{1,0,1,1,0,1,0,0,0,0}^r(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) + ib_{1,0,1,1,0,1,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_3^2 + y_3^2)(x_1y_2 + x_2y_1) + b_{1,0,1,2,0,0,0,0,0,0}^r(x_2^2 + y_2^2)^2(x_1x_2 - y_1y_2) + ib_{1,0,1,2,0,0,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)^2(x_1y_2 + x_2y_1) + b_{1,0,2,0,-1,0,1,0,-1,0}^r(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 +$$

$$x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 -$$

$$x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 -$$

$$x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 +$$

$$2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 -$$

$$y_1y_2^2y_3y_4y_5) - ib_{1,0,2,0,-1,0,1,0,-1,0}^r(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 +$$

$$x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4 -$$

$$x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 -$$

$$x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 -$$

$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 +$$

$$x_5y_1y_2^2y_3y_4) + b_{1,0,2,0,1,0,-1,0,-1,0}^r(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 +$$

$$x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 -$$

$$x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 +$$

$$x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 -$$

$$2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 -$$

$$y_1y_2^2y_3y_4y_5) - ib_{1,0,2,0,1,0,-1,0,-1,0}^r(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 +$$

$$x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4 -$$

$$x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 +$$

$$x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 +$$

$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 +$$

$$x_5y_1y_2^2y_3y_4) + b_{1,0,2,0,1,0,1,0,1,0}^r(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 -$$

$$x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 -$$

$$x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 -$$

$$x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 +$$

$$2x_2x_4y_1y_2y_3y_5 + 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 -$$

$$y_1y_2^2y_3y_4y_5) + ib_{1,0,2,0,1,0,1,0,1,0}^r(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 -$$

$$x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4 -$$

$$x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 -$$

$$x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 -$$

$$2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 +$$

$$x_5y_1y_2^2y_3y_4) + b_{1,0,3,0,0,0,0,0,-2,0}^r(x_1x_2^3x_5^2 - x_1x_2^3y_5^2 + 6x_1x_2^2x_5y_2y_5 - 3x_1x_2x_5^2y_2^2 +$$

$$3x_1x_2y_2^2y_5^2 - 2x_1x_5y_2^3y_5 + 2x_2^3x_5y_1y_5 - 3x_2^2x_5^2y_1y_2 + 3x_2^2y_1y_2y_5^2 -$$

$$6x_2x_5y_1y_2^2y_5 + x_5^2y_1y_2^3 - y_1y_2^3y_5^2) - ib_{1,0,3,0,0,0,0,0,-2,0}^r(2x_1x_2^3x_5y_5 - 3x_1x_2^2x_5^2y_2 +$$

$$3x_1x_2^2y_2y_5^2 - 6x_1x_2x_5y_2^2y_5 + x_1x_5^2y_2^3 - x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2 -$$

$$6x_2^2x_5y_1y_2y_5 + 3x_2x_5^2y_1y_2^2 - 3x_2y_1y_2^2y_5^2 + 2x_5y_1y_2^3y_5) +$$

$$b_{1,0,3,0,0,0,2,0,0,0}^r(x_1x_2^3x_4^2 - x_1x_2^3y_4^2 - 6x_1x_2^2x_4y_2y_4 - 3x_1x_2x_4^2y_2^2 + 3x_1x_2y_2^2y_4^2 +$$

$$2x_1x_4y_2^3y_4 - 2x_2^3x_4y_1y_4 - 3x_2^2x_4^2y_1y_2 + 3x_2^2y_1y_2y_4^2 + 6x_2x_4y_1y_2^2y_4 +$$

$$x_4^2y_1y_2^3 - y_1y_2^3y_4^2) + ib_{1,0,3,0,0,0,2,0,0,0}^r(2x_1x_2^3x_4y_4 + 3x_1x_2^2x_4^2y_2 - 3x_1x_2^2y_2y_4^2 -$$

$$6x_1x_2x_4y_2^2y_4 - x_1x_4^2y_2^3 + x_1y_2^3y_4^2 + x_2^3x_4^2y_1 - x_2^3y_1y_4^2 - 6x_2^2x_4y_1y_2y_4-$$

$$3x_2x_4^2y_1y_2^2 + 3x_2y_1y_2^2y_4^2 + 2x_4y_1y_2^3y_4) + b_{1,0,3,0,2,0,0,0,0,0}^r(x_1x_2^3x_3^2 - x_1x_2^3y_3^2-$$

$$6x_1x_2^2x_3y_2y_3 - 3x_1x_2x_3^2y_2^2 + 3x_1x_2y_2^3y_3^2 + 2x_1x_3y_2^3y_3 - 2x_2^3x_3y_1y_3-$$

$$3x_2^2x_3^2y_1y_2 + 3x_2^2y_1y_2y_3^2 + 6x_2x_3y_1y_2^2y_3 + x_3^2y_1y_2^3 - y_1y_2^3y_3^2)+$$

$$ib_{1,0,3,0,2,0,0,0,0,0}^r(2x_1x_2^3x_3y_3 + 3x_1x_2^2x_3^2y_2 - 3x_1x_2^2y_2y_3^2 - 6x_1x_2x_3y_2^2y_3-$$

$$x_1x_3^2y_2^3 + x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2 - 6x_2^2x_3y_1y_2y_3 - 3x_2x_3^2y_1y_2^2+$$

$$3x_2y_1y_2^2y_3^2 + 2x_3y_1y_2^3y_3) + b_{1,1,-1,0,-2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1x_2x_3^2 - x_1x_2y_3^2-$$

$$2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - ib_{1,1,-1,0,-2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_2x_3y_3+$$

$$x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b_{1,1,-1,0,0,0,-2,0,0,0}^r(x_1^2+$$

$$y_1^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2)-$$

$$ib_{1,1,-1,0,0,0,-2,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2+$$

$$2x_4y_1y_2y_4) + b_{1,1,-1,0,0,0,0,0,2,0}^r(x_1^2 + y_1^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5+$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) + ib_{1,1,-1,0,0,0,0,0,2,0}^r(x_1^2 + y_1^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2+$$

$$x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{1,1,0,0,-1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5-$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)-$$

$$ib_{1,1,0,0,-1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,1,0,0,-1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$ib_{1,1,0,0,-1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1-$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,1,0,0,0,1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5-$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$ib_{1,1,0,0,0,1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,1,1,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2)+$$

$$ib_{1,1,1,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) + b_{1,1,1,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_4^2+$$

$$y_4^2)(x_1x_2 - y_1y_2) + ib_{1,1,1,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) + b_{1,1,1,0,0,1,0,0,0,0}^r(x_1^2+$$

$$y_1^2)(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) + ib_{1,1,1,0,0,1,0,0,0,0}^r(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_1y_2 + x_2y_1)+$$

$$b_{1,1,1,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1x_2 - y_1y_2) + ib_{1,1,1,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2+$$

$$y_2^2)(x_1y_2 + x_2y_1) + b_{1,2,1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_1x_2 - y_1y_2) + ib_{1,2,1,0,0,0,0,0,0,0}^r(x_1^2+$$

$$y_1^2)^2(x_1y_2 + x_2y_1) + b_{2,0,-1,0,-1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5-$$

$$x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5+$$

$$2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4+$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - ib_{2,0,-1,0,-1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4+$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5-$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5+$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,-1,0,-1,0,1,0,1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5+$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 +$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + ib_{2,0,-1,0,-1,0,1,0,1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 +$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,-1,0,1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 -$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 +$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 +$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 -$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + ib_{2,0,-1,0,1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 +$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - 2ib_{2,0,-2,0,-2,0,0,0,0,0}^r(x_1x_2x_3 - x_1y_2y_3 + x_2y_1y_3 +$$

$$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 - x_2x_3y_1 + y_1y_2y_3) + b_{2,0,-2,0,-2,0,0,0,0,0}^r(x_1x_2x_3 - x_1x_2y_3 - x_1x_3y_2 -$$

$$x_1y_2y_3 + x_2x_3y_1 + x_2y_1y_3 + x_3y_1y_2 - y_1y_2y_3)(x_1x_2x_3 + x_1x_2y_3 + x_1x_3y_2 - x_1y_2y_3 -$$

$$x_2x_3y_1 + x_2y_1y_3 + x_3y_1y_2 + y_1y_2y_3) - 2ib_{2,0,-2,0,0,0,-2,0,0,0}^r(x_1x_2x_4 - x_1y_2y_4 + x_2y_1y_4 +$$

$$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 - x_2x_4y_1 + y_1y_2y_4) + b_{2,0,-2,0,0,0,-2,0,0,0}^r(x_1x_2x_4 - x_1x_2y_4 - x_1x_4y_2 -$$

$$x_1y_2y_4 + x_2x_4y_1 + x_2y_1y_4 + x_4y_1y_2 - y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 + x_1x_4y_2 - x_1y_2y_4 -$$

$$x_2x_4y_1 + x_2y_1y_4 + x_4y_1y_2 + y_1y_2y_4) + 2ib_{2,0,-2,0,0,0,0,0,2,0}^r(x_1x_2x_5 + x_1y_2y_5 - x_2y_1y_5 +$$

$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 + x_2x_5y_1 + y_1y_2y_5) + b_{2,0,-2,0,0,0,0,0,2,0}^r(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2 +$$

$$x_1y_2y_5 - x_2x_5y_1 - x_2y_1y_5 + x_5y_1y_2 - y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5 +$$

$$x_2x_5y_1 - x_2y_1y_5 + x_5y_1y_2 + y_1y_2y_5) - 2ib_{2,0,0,0,-2,0,0,0,-2,0}^r(x_1x_3x_5 - x_1y_3y_5 + x_3y_1y_5 +$$

$$x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 - x_3x_5y_1 + y_1y_3y_5) + b_{2,0,0,0,-2,0,0,0,-2,0}^r(x_1x_3x_5 - x_1x_3y_5 - x_1x_5y_3 -$$

$$x_1y_3y_5 + x_3x_5y_1 + x_3y_1y_5 + x_5y_1y_3 - y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 + x_1x_5y_3 - x_1y_3y_5 -$$

$$x_3x_5y_1 + x_3y_1y_5 + x_5y_1y_3 + y_1y_3y_5) + 2ib_{2,0,0,0,-2,0,2,0,0,0}^r(x_1x_3x_4 + x_1y_3y_4 - x_3y_1y_4 +$$

$$x_4y_1y_3)(x_1x_3y_4 - x_1x_4y_3 + x_3x_4y_1 + y_1y_3y_4) + b_{2,0,0,0,-2,0,2,0,0,0}^r(x_1x_3x_4 - x_1x_3y_4 + x_1x_4y_3 +$$

$$x_1y_3y_4 - x_3x_4y_1 - x_3y_1y_4 + x_4y_1y_3 - y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 - x_1x_4y_3 + x_1y_3y_4 +$$

$$x_3x_4y_1 - x_3y_1y_4 + x_4y_1y_3 + y_1y_3y_4) - 2ib_{2,0,0,0,0,0,-2,0,-2,0}^r(x_1x_4x_5 - x_1y_4y_5 + x_4y_1y_5 +$$

$$x_5y_1y_4)(x_1x_4y_5 + x_1x_5y_4 - x_4x_5y_1 + y_1y_4y_5) + b_{2,0,0,0,0,0,-2,0,-2,0}^r(x_1x_4x_5 - x_1x_4y_5 - x_1x_5y_4 -$$

$$x_1y_4y_5 + x_4x_5y_1 + x_4y_1y_5 + x_5y_1y_4 - y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 + x_1x_5y_4 - x_1y_4y_5 -$$

$$x_4x_5y_1 + x_4y_1y_5 + x_5y_1y_4 + y_1y_4y_5) + 2ib_{2,0,0,0,0,0,0,0,0,2}^r x_1y_1(x_5^2 + y_5^2)^2 + b_{2,0,0,0,0,0,0,0,0,2}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_5^2 + y_5^2)^2 + 2ib_{2,0,0,0,0,0,0,1,0,1}^r x_1y_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) + b_{2,0,0,0,0,0,0,1,0,1}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + 2ib_{2,0,0,0,0,0,0,2,0,0}^r x_1y_1(x_4^2 + y_4^2)^2 + b_{2,0,0,0,0,0,0,2,0,0}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_4^2 + y_4^2)^2 + 2ib_{2,0,0,0,0,0,0,2,0,2,0}^r(x_1x_4x_5 - x_1y_4y_5 - x_4y_1y_5 - x_5y_1y_4)(x_1x_4y_5 +$$

$$x_1x_5y_4 + x_4x_5y_1 - y_1y_4y_5) + b_{2,0,0,0,0,0,0,2,0,2,0}^r(x_1x_4x_5 - x_1x_4y_5 - x_1x_5y_4 - x_1y_4y_5 - x_4x_5y_1 -$$

$$x_4y_1y_5 - x_5y_1y_4 + y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 + x_1x_5y_4 - x_1y_4y_5 + x_4x_5y_1 - x_4y_1y_5 -$$

$$x_5y_1y_4 - y_1y_4y_5) + 2ib_{2,0,0,0,0,1,0,0,0,1}^r x_1y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{2,0,0,0,0,1,0,0,0,1}^r(x_1 - y_1)(x_1 +$$

$$y_1)(x_3^2 + y_3^2)(x_5^2 + y_5^2) + 2ib_{2,0,0,0,0,1,0,1,0,0}^r x_1y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{2,0,0,0,0,1,0,1,0,0}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + 2ib_{2,0,0,0,0,2,0,0,0,0}^r x_1y_1(x_3^2 + y_3^2)^2 + b_{2,0,0,0,0,2,0,0,0,0}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_3^2 + y_3^2)^2 - 2ib_{2,0,0,0,2,0,-2,0,0,0}^r(x_1x_3x_4 + x_1y_3y_4 + x_3y_1y_4 - x_4y_1y_3)(x_1x_3y_4 -$$

$$x_1x_4y_3 - x_3x_4y_1 - y_1y_3y_4) + b_{2,0,0,0,2,0,-2,0,0,0}^r(x_1x_3x_4 - x_1x_3y_4 + x_1x_4y_3 + x_1y_3y_4 + x_3x_4y_1 +$$

$$x_3y_1y_4 - x_4y_1y_3 + y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 - x_1x_4y_3 + x_1y_3y_4 - x_3x_4y_1 + x_3y_1y_4 -$$

$$x_4y_1y_3 - y_1y_3y_4) + 2ib_{2,0,0,0,2,0,0,0,2,0}^r(x_1x_3x_5 - x_1y_3y_5 - x_3y_1y_5 - x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 +$$

$$x_3x_5y_1 - y_1y_3y_5) + b_{2,0,0,0,2,0,0,0,2,0}^r(x_1x_3x_5 - x_1x_3y_5 - x_1x_5y_3 - x_1y_3y_5 - x_3x_5y_1 - x_3y_1y_5 -$$

$$x_5y_1y_3 + y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 + x_1x_5y_3 - x_1y_3y_5 + x_3x_5y_1 - x_3y_1y_5 - x_5y_1y_3 -$$

$$y_1y_3y_5) + 2ib_{2,0,0,1,0,0,0,0,0,0,1}^r x_1y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{2,0,0,1,0,0,0,0,0,0,1}^r(x_1 - y_1)(x_1 + y_1)(x_2^2 +$$

$$y_2^2)(x_5^2 + y_5^2) + 2ib_{2,0,0,1,0,0,0,1,0,0}^r x_1y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{2,0,0,1,0,0,0,1,0,0}^r(x_1 - y_1)(x_1 +$$

$$y_1)(x_2^2 + y_2^2)(x_4^2 + y_4^2) + 2ib_{2,0,0,1,0,1,0,0,0,0}^r x_1y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{2,0,0,1,0,1,0,0,0,0}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + 2ib_{2,0,0,2,0,0,0,0,0,0}^r x_1y_1(x_2^2 + y_2^2)^2 + b_{2,0,0,2,0,0,0,0,0,0}^r(x_1 -$$

$$y_1)(x_1 + y_1)(x_2^2 + y_2^2)^2 + b_{2,0,1,0,-1,0,1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5 +$$

$$x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5 +$$

$$2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 -$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - ib_{2,0,1,0,-1,0,1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,1,0,1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 +$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 +$$

$$x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 +$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - ib_{2,0,1,0,1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 -$$

$$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 +$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 +$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + ib_{2,0,1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - 2ib_{2,0,2,0,0,0,0,0,-2,0}^r(x_1x_2x_5 + x_1y_2y_5 + x_2y_1y_5 -$$

$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 - x_2x_5y_1 - y_1y_2y_5) + b_{2,0,2,0,0,0,0,0,-2,0}^r(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2 +$$

$$x_1y_2y_5 + x_2x_5y_1 + x_2y_1y_5 - x_5y_1y_2 + y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5 -$$

$x_2 x_5 y_1 + x_2 y_1 y_5 - x_5 y_1 y_2 - y_1 y_2 y_5) + 2ib^r_{2,0,2,0,0,0,2,0,0,0}(x_1 x_2 x_4 - x_1 y_2 y_4 - x_2 y_1 y_4 -$

$x_4 y_1 y_2)(x_1 x_2 y_4 + x_1 x_4 y_2 + x_2 x_4 y_1 - y_1 y_2 y_4) + b^r_{2,0,2,0,0,0,2,0,0,0}(x_1 x_2 x_4 - x_1 x_2 y_4 - x_1 x_4 y_2 -$

$x_1 y_2 y_4 - x_2 x_4 y_1 - x_2 y_1 y_4 - x_4 y_1 y_2 + y_1 y_2 y_4)(x_1 x_2 x_4 + x_1 x_2 y_4 + x_1 x_4 y_2 - x_1 y_2 y_4 +$

$x_2 x_4 y_1 - x_2 y_1 y_4 - x_4 y_1 y_2 - y_1 y_2 y_4) + 2ib^r_{2,0,2,0,2,0,0,0,0,0}(x_1 x_2 x_3 - x_1 y_2 y_3 - x_2 y_1 y_3 -$

$x_3 y_1 y_2)(x_1 x_2 y_3 + x_1 x_3 y_2 + x_2 x_3 y_1 - y_1 y_2 y_3) + b^r_{2,0,2,0,2,0,0,0,0,0}(x_1 x_2 x_3 - x_1 x_2 y_3 - x_1 x_3 y_2 -$

$x_1 y_2 y_3 - x_2 x_3 y_1 - x_2 y_1 y_3 - x_3 y_1 y_2 + y_1 y_2 y_3)(x_1 x_2 x_3 + x_1 x_2 y_3 + x_1 x_3 y_2 - x_1 y_2 y_3 +$

$x_2 x_3 y_1 - x_2 y_1 y_3 - x_3 y_1 y_2 - y_1 y_2 y_3) + 2ib^r_{2,1,0,0,0,0,0,0,0,1} x_1 y_1 (x_1^2 + y_1^2)(x_5^2 + y_5^2) +$

$b^r_{2,1,0,0,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_5^2 + y_5^2) + 2ib^r_{2,1,0,0,0,0,0,1,0,0} x_1 y_1 (x_1^2 + y_1^2)(x_4^2 +$

$y_4^2) + b^r_{2,1,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_4^2 + y_4^2) + 2ib^r_{2,1,0,0,0,1,0,0,0,0} x_1 y_1 (x_1^2 +$

$y_1^2)(x_3^2 + y_3^2) + b^r_{2,1,0,0,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$

$2ib^r_{2,1,0,1,0,0,0,0,0,0} x_1 y_1 (x_1^2 + y_1^2)(x_2^2 + y_2^2) + b^r_{2,1,0,1,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_2^2 +$

$y_2^2) + 2ib^r_{2,2,0,0,0,0,0,0,0,0} x_1 y_1 (x_1^2 + y_1^2)^2 + b^r_{2,2,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)^2 +$

$b^r_{3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3 x_2 + 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 - y_1^3 y_2) - ib^r_{3,0,-1,0,0,0,0,0,0,1}(x_5^2 +$

$y_5^2)(x_1^3 y_2 - 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 + x_2 y_1^3) + b^r_{3,0,-1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^3 x_2 + 3x_1^2 y_1 y_2 -$

$3x_1 x_2 y_1^2 - y_1^3 y_2) - ib^r_{3,0,-1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^3 y_2 - 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 + x_2 y_1^3) +$

$b^r_{3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3 x_2 + 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 - y_1^3 y_2) - ib^r_{3,0,-1,0,0,1,0,0,0,0}(x_3^2 +$

$y_3^2)(x_1^3 y_2 - 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 + x_2 y_1^3) + b^r_{3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3 x_2 + 3x_1^2 y_1 y_2 -$

$3x_1 x_2 y_1^2 - y_1^3 y_2) - ib^r_{3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3 y_2 - 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 + x_2 y_1^3) +$

$b^r_{3,0,0,0,-1,0,1,0,-1,0}(x_1^3 x_3 x_4 x_5 + x_1^3 x_3 y_4 y_5 - x_1^3 x_4 y_3 y_5 + x_1^3 x_5 y_3 y_4 + 3x_1^2 x_3 x_4 y_1 y_5 -$

$3x_1^2 x_3 x_5 y_1 y_4 + 3x_1^2 x_4 x_5 y_1 y_3 + 3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 - 3x_1 x_3 y_1^2 y_4 y_5 +$

$3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^3 y_5 + x_3 x_5 y_1^3 y_4 - x_4 x_5 y_1^3 y_3 - y_1^3 y_3 y_4 y_5) -$

$ib^r_{3,0,0,0,-1,0,1,0,-1,0}(x_1^3 x_3 x_4 y_5 - x_1^3 x_3 x_5 y_4 + x_1^3 x_4 x_5 y_3 + x_1^3 y_3 y_4 y_5 - 3x_1^2 x_3 x_4 x_5 y_1 -$

$3x_1^2 x_3 y_1 y_4 y_5 + 3x_1^2 x_4 y_1 y_3 y_5 - 3x_1^2 x_5 y_1 y_3 y_4 - 3x_1 x_3 x_4 y_1^2 y_5 + 3x_1 x_3 x_5 y_1^2 y_4 -$

$3x_1 x_4 x_5 y_1^2 y_3 - 3x_1 y_1^2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1^3 + x_3 y_1^3 y_4 y_5 - x_4 y_1^3 y_3 y_5 + x_5 y_1^3 y_3 y_4) +$

$b^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3 x_3 x_4 x_5 - x_1^3 x_3 y_4 y_5 + x_1^3 x_4 y_3 y_5 + x_1^3 x_5 y_3 y_4 + 3x_1^2 x_3 x_4 y_1 y_5 +$

$3x_1^2 x_3 x_5 y_1 y_4 - 3x_1^2 x_4 x_5 y_1 y_3 + 3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 + 3x_1 x_3 y_1^2 y_4 y_5 -$

$3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^3 y_5 - x_3 x_5 y_1^3 y_4 + x_4 x_5 y_1^3 y_3 - y_1^3 y_3 y_4 y_5) -$

$ib^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3 x_3 x_4 y_5 + x_1^3 x_3 x_5 y_4 - x_1^3 x_4 x_5 y_3 + x_1^3 y_3 y_4 y_5 - 3x_1^2 x_3 x_4 x_5 y_1 +$

$3x_1^2 x_3 y_1 y_4 y_5 - 3x_1^2 x_4 y_1 y_3 y_5 - 3x_1^2 x_5 y_1 y_3 y_4 - 3x_1 x_3 x_4 y_1^2 y_5 - 3x_1 x_3 x_5 y_1^2 y_4 +$

$3x_1 x_4 x_5 y_1^2 y_3 - 3x_1 y_1^2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1^3 - x_3 y_1^3 y_4 y_5 + x_4 y_1^3 y_3 y_5 + x_5 y_1^3 y_3 y_4) +$

$b^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3 x_3 x_4 x_5 - x_1^3 x_3 y_4 y_5 - x_1^3 x_4 y_3 y_5 - x_1^3 x_5 y_3 y_4 - 3x_1^2 x_3 x_4 y_1 y_5 -$

$3x_1^2 x_3 x_5 y_1 y_4 - 3x_1^2 x_4 x_5 y_1 y_3 + 3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 + 3x_1 x_3 y_1^2 y_4 y_5 +$

$3x_1 x_4 y_1^2 y_3 y_5 + 3x_1 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^3 y_5 + x_3 x_5 y_1^3 y_4 + x_4 x_5 y_1^3 y_3 - y_1^3 y_3 y_4 y_5) +$

$ib^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3 x_3 x_4 y_5 + x_1^3 x_3 x_5 y_4 + x_1^3 x_4 x_5 y_3 - x_1^3 y_3 y_4 y_5 + 3x_1^2 x_3 x_4 x_5 y_1 -$

$3x_1^2 x_3 y_1 y_4 y_5 - 3x_1^2 x_4 y_1 y_3 y_5 - 3x_1^2 x_5 y_1 y_3 y_4 - 3x_1 x_3 x_4 y_1^2 y_5 - 3x_1 x_3 x_5 y_1^2 y_4 -$

$3x_1 x_4 x_5 y_1^2 y_3 + 3x_1 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^3 + x_3 y_1^3 y_4 y_5 + x_4 y_1^3 y_3 y_5 + x_5 y_1^3 y_3 y_4) +$

$b^r_{3,0,1,0,0,0,0,0,0,-2,0}(x_1^3 x_2 x_5^2 - x_1^3 x_2 y_5^2 + 2x_1^3 x_5 y_2 y_5 + 6x_1^2 x_2 x_5 y_1 y_5 - 3x_1^2 x_5^2 y_1 y_2 +$

$3x_1^2 y_1 y_2 y_5^2 - 3x_1 x_2 x_5^2 y_1^2 + 3x_1 x_2 y_1^2 y_5^2 - 6x_1 x_5 y_1^2 y_2 y_5 - 2x_2 x_5 y_1^3 y_5 +$

$x_5^2 y_1^3 y_2 - y_1^3 y_2 y_5^2) - ib^r_{3,0,1,0,0,0,0,0,0,-2,0}(2x_1^3 x_2 x_5 y_5 - x_1^3 x_5^2 y_2 + x_1^3 y_2 y_5^2 -$

$3x_1^2 x_2 x_5^2 y_1 + 3x_1^2 x_2 y_1 y_5^2 - 6x_1^2 x_5 y_1 y_2 y_5 - 6x_1 x_2 x_5 y_1^2 y_5 + 3x_1 x_5^2 y_1^2 y_2 -$

$3x_1 y_1^2 y_2 y_5^2 + x_2 x_5^2 y_1^3 - x_2 y_1^3 y_5^2 + 2x_5 y_1^3 y_2 y_5) + b^r_{3,0,1,0,0,0,0,2,0,0}(x_1^3 x_2 x_4^2 -$

$x_1^3 x_2 y_4^2 - 2x_1^3 x_4 y_2 y_4 - 6x_1^2 x_2 x_4 y_1 y_4 - 3x_1^2 x_4^2 y_1 y_2 + 3x_1^2 y_1 y_2 y_4^2 -$

$$3x_1x_2x_4^2y_1^2 + 3x_1x_2y_1^2y_4^2 + 6x_1x_4y_1^2y_2y_4 + 2x_2x_4y_1^3y_4 + x_4^2y_1^3y_2 - y_1^3y_2y_4^2)+$$

$$ib_{3,0,1,0,0,0,2,0,0,0}^r(2x_1^3x_2x_4y_4 + x_1^3x_4^2y_2 - x_1^3y_2y_4^2 + 3x_1^2x_2x_4^2y_1 - 3x_1^2x_2y_1y_4^2-$$

$$6x_1^2x_4y_1y_2y_4 - 6x_1x_2x_4y_1^2y_4 - 3x_1x_4^2y_1^2y_2 + 3x_1y_1^2y_2y_4^2 - x_2x_4^2y_1^3+$$

$$x_2y_1^3y_4^2 + 2x_4y_1^3y_2y_4) + b_{3,0,1,0,2,0,0,0,0,0}^r(x_1^3x_2x_3^2 - x_1^3x_2y_3^2 - 2x_1^3x_3y_2y_3-$$

$$6x_1^2x_2x_3y_1y_3 - 3x_1^2x_3^2y_1y_2 + 3x_1^2y_1y_2y_3^2 - 3x_1x_2x_3^2y_1^2 + 3x_1x_2y_1^2y_3^2+$$

$$6x_1x_3y_1^2y_2y_3 + 2x_2x_3y_1^3y_3 + x_3^2y_1^3y_2 - y_1^3y_2y_3^2) + ib_{3,0,1,0,2,0,0,0,0,0}^r(2x_1^3x_2x_3y_3+$$

$$x_1^3x_3^2y_2 - x_1^3y_2y_3^2 + 3x_1^2x_2x_3^2y_1 - 3x_1^2x_2y_1y_3^2 - 6x_1^2x_3y_1y_2y_3-$$

$$6x_1x_2x_3y_1^2y_3 - 3x_1x_3^2y_1^2y_2 + 3x_1y_1^2y_2y_3^2 - x_2x_3^2y_1^3 + x_2y_1^3y_3^2 + 2x_3y_1^3y_2y_3)+$$

$$b_{3,1,-1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) - ib_{3,1,-1,0,0,0,0,0,0,0}^r(x_1^2+$$

$$y_1^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) - 2ib_{4,0,-2,0,0,0,0,0,0,0}^r(x_1^2x_2 + 2x_1y_1y_2-$$

$$x_2y_1^2)(x_1^2y_2 - 2x_1x_2y_1 - y_1^2y_2) + b_{4,0,-2,0,0,0,0,0,0,0}^r(x_1^2x_2 - x_1^2y_2 + 2x_1x_2y_1 + 2x_1y_1y_2-$$

$$x_2y_1^2 + y_1^2y_2)(x_1^2x_2 + x_1^2y_2 - 2x_1x_2y_1 + 2x_1y_1y_2 - x_2y_1^2 - y_1^2y_2)-$$

$$2ib_{4,0,0,0,0,0,0,0,0,-2,0}^r(x_1^2x_5 + 2x_1y_1y_5 - x_5y_1^2)(x_1^2y_5 - 2x_1x_5y_1 - y_1^2y_5) + b_{4,0,0,0,0,0,0,0,0,-2,0}^r(x_1^2x_5-$$

$$x_1^2y_5 + 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 + y_1^2y_5)(x_1^2x_5 + x_1^2y_5 - 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2-$$

$$y_1^2y_5) + 2ib_{4,0,0,0,0,0,0,2,0,0,0}^r(x_1^2x_4 - 2x_1y_1y_4 - x_4y_1^2)(x_1^2y_4 + 2x_1x_4y_1 - y_1^2y_4)+$$

$$b_{4,0,0,0,0,0,0,2,0,0,0}^r(x_1^2x_4 - x_1^2y_4 - 2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 + y_1^2y_4)(x_1^2x_4 + x_1^2y_4+$$

$$2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 - y_1^2y_4) + 2ib_{4,0,0,0,0,2,0,0,0,0,0}^r(x_1^2x_3 - 2x_1y_1y_3 - x_3y_1^2)(x_1^2y_3+$$

$$2x_1x_3y_1 - y_1^2y_3) + b_{4,0,0,0,0,2,0,0,0,0,0}^r(x_1^2x_3 - x_1^2y_3 - 2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2+$$

$$y_1^2y_3)(x_1^2x_3 + x_1^2y_3 + 2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2 - y_1^2y_3)$$

$$H_{-+}^{(6)} = b_{-1,0,-1,0,-2,0,-2,0,0,0}^r(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2+$$

$$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4-$$

$$2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2+$$

$$x_3^2y_1y_2y_4^2 + 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 - y_1y_2y_3^2y_4^2)+$$

$$ib_{-1,0,-1,0,-2,0,-2,0,0,0}^r(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4+$$

$$x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2+$$

$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2-$$

$$2x_3^2x_4y_1y_2y_4 - 2x_3x_4^2y_1y_2y_3 + 2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4)+$$

$$b_{-1,0,-1,0,-2,0,0,0,2,0}^r(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2+$$

$$x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5+$$

$$2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2+$$

$$x_3^2y_1y_2y_5^2 - 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2)-$$

$$ib_{-1,0,-1,0,-2,0,0,0,2,0}^r(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5-$$

$$x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5 + x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2-$$

$$x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5 + x_2x_5^2y_1y_3^2 - x_2y_1y_3^2y_5^2-$$

$$2x_3^2x_5y_1y_2y_5 + 2x_3x_5^2y_1y_2y_3 - 2x_3y_1y_2y_3y_5^2 + 2x_5y_1y_2y_3^2y_5)+$$

$$b_{-1,0,-1,0,-4,0,0,0,0,0}^r(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3-$$

$$4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 - x_3^4y_1y_2 + 6x_3^2y_1y_2y_3^2 - y_1y_2y_3^4)+$$

$$ib_{-1,0,-1,0,-4,0,0,0,0,0}^r(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 + x_1x_3^4y_2 - 6x_1x_3^2y_2y_3^2 + x_1y_2y_3^4+$$

$$x_2x_3^4y_1 - 6x_2x_3^2y_1y_3^2 + x_2y_1y_3^4 - 4x_3^3y_1y_2y_3 + 4x_3y_1y_2y_3^3)+$$

$$b_{-1,0,-1,0,0,0,-2,0,2,0}^r(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2+$$

$$x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5+$$

$$2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2+$$

$$x_4^2y_1y_2y_5^2 - 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2)-$$

$$ib^r_{-1,0,-1,0,0,0,-2,0,2,0}(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4 + 2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5-$$

$$x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 - 4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 - x_1y_2y_4^2y_5^2-$$

$$x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5 + x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2-$$

$$2x_4^2x_5y_1y_2y_5 + 2x_4x_5^2y_1y_2y_4 - 2x_4y_1y_2y_4y_5^2 + 2x_5y_1y_2y_4^2y_5)+$$

$$b^r_{-1,0,-1,0,0,0,-4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4 + 4x_1x_4y_2y_4^3-$$

$$4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 - x_4^4y_1y_2 + 6x_4^2y_1y_2y_4^2 - y_1y_2y_4^4)+$$

$$ib^r_{-1,0,-1,0,0,0,-4,0,0,0}(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 + x_1x_4^4y_2 - 6x_1x_4^2y_2y_4^2 + x_1y_2y_4^4+$$

$$x_2x_4^4y_1 - 6x_2x_4^2y_1y_4^2 + x_2y_1y_4^4 - 4x_4^3y_1y_2y_4 + 4x_4y_1y_2y_4^3) + b^r_{-1,0,-1,0,0,0,0,0,-2,1}(x_5^2+$$

$$y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2)+$$

$$ib^r_{-1,0,-1,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2-$$

$$2x_5y_1y_2y_5) + b^r_{-1,0,-1,0,0,0,0,0,4,0}(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4 + 4x_1x_5^3y_2y_5-$$

$$4x_1x_5y_2y_5^3 + 4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 - x_5^4y_1y_2 + 6x_5^2y_1y_2y_5^2 - y_1y_2y_5^4)-$$

$$ib^r_{-1,0,-1,0,0,0,0,0,4,0}(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 - x_1x_5^4y_2 + 6x_1x_5^2y_2y_5^2 - x_1y_2y_5^4-$$

$$x_2x_5^4y_1 + 6x_2x_5^2y_1y_5^2 - x_2y_1y_5^4 - 4x_5^3y_1y_2y_5 + 4x_5y_1y_2y_5^3) + b^r_{-1,0,-1,0,0,0,0,1,-2,0}(x_4^2+$$

$$y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2)+$$

$$ib^r_{-1,0,-1,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2-$$

$$2x_5y_1y_2y_5) + b^r_{-1,0,-1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4-$$

$$x_4^2y_1y_2 + y_1y_2y_4^2) - ib^r_{-1,0,-1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2-$$

$$x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2+$$

$$2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) - ib^r_{-1,0,-1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_4y_4-$$

$$x_1x_4^2y_2 + x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,0,1,0,0,-2,0}(x_3^2+$$

$$y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2)+$$

$$ib^r_{-1,0,-1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2-$$

$$2x_5y_1y_2y_5) + b^r_{-1,0,-1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4-$$

$$x_4^2y_1y_2 + y_1y_2y_4^2) - ib^r_{-1,0,-1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2-$$

$$x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2+$$

$$2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) - ib^r_{-1,0,-1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3-$$

$$x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-1,0,2,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2)-$$

$$ib^r_{-1,0,-1,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2-$$

$$2x_3y_1y_2y_3) + b^r_{-1,0,-1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3-$$

$$x_3^2y_1y_2 + y_1y_2y_3^2) - ib^r_{-1,0,-1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2-$$

$$x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2-$$

$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) + ib^r_{-1,0,-1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5+$$

$$x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 - 2x_5y_1y_2y_5) + b^r_{-1,0,-1,1,0,0,2,0,0,0}(x_2^2+$$

$$y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2)-$$

$$ib^r_{-1,0,-1,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2-$$

$$2x_4y_1y_2y_4) + b^r_{-1,0,-1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3-$$

$$x_3^2y_1y_2 + y_1y_2y_3^2) - ib^r_{-1,0,-1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2-$$

$$x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5-$$

$$x_1 x_2^2 x_4 y_3 y_5 + x_1 x_2^2 x_5 y_3 y_4 - 2x_1 x_2 x_3 x_4 y_2 y_5 + 2x_1 x_2 x_3 x_5 y_2 y_4 - 2x_1 x_2 x_4 x_5 y_2 y_3 -$$

$$2x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 - x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 - x_1 x_5 y_2^2 y_3 y_4 -$$

$$x_2^2 x_3 x_4 y_1 y_5 + x_2^2 x_3 x_5 y_1 y_4 - x_2^2 x_4 x_5 y_1 y_3 - x_2^2 y_1 y_3 y_4 y_5 - 2x_2 x_3 x_4 x_5 y_1 y_2 -$$

$$2x_2 x_3 y_1 y_2 y_4 y_5 + 2x_2 x_4 y_1 y_2 y_3 y_5 - 2x_2 x_5 y_1 y_2 y_3 y_4 + x_3 x_4 y_1 y_2^2 y_5 - x_3 x_5 y_1 y_2^2 y_4 +$$

$$x_4 x_5 y_1 y_2^2 y_3 + y_1 y_2^2 y_3 y_4 y_5) + i b^r_{-1,0,-2,0,-1,0,1,0,-1,0}(x_1 x_2^2 x_3 x_4 y_5 - x_1 x_2^2 x_3 x_5 y_4 +$$

$$x_1 x_2^2 x_4 x_5 y_3 + x_1 x_2^2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 x_5 y_2 + 2x_1 x_2 x_3 y_2 y_4 y_5 - 2x_1 x_2 x_4 y_2 y_3 y_5 +$$

$$2x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 + x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 - x_1 y_2^2 y_3 y_4 y_5 +$$

$$x_2^2 x_3 x_4 x_5 y_1 + x_2^2 x_3 y_1 y_4 y_5 - x_2^2 x_4 y_1 y_3 y_5 + x_2^2 x_5 y_1 y_3 y_4 - 2x_2 x_3 x_4 y_1 y_2 y_5 +$$

$$2x_2 x_3 x_5 y_1 y_2 y_4 - 2x_2 x_4 x_5 y_1 y_2 y_3 - 2x_2 y_1 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 y_2^2 - x_3 y_1 y_2^2 y_4 y_5 +$$

$$x_4 y_1 y_2^2 y_3 y_5 - x_5 y_1 y_2^2 y_3 y_4) + b^r_{-1,0,-2,0,1,0,-1,0,-1,0}(x_1 x_2^2 x_3 x_4 x_5 - x_1 x_2^2 x_3 y_4 y_5 +$$

$$x_1 x_2^2 x_4 y_3 y_5 + x_1 x_2^2 x_5 y_3 y_4 - 2x_1 x_2 x_3 x_4 y_2 y_5 - 2x_1 x_2 x_3 x_5 y_2 y_4 + 2x_1 x_2 x_4 x_5 y_2 y_3 -$$

$$2x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 + x_1 x_3 y_2^2 y_4 y_5 - x_1 x_4 y_2^2 y_3 y_5 - x_1 x_5 y_2^2 y_3 y_4 -$$

$$x_2^2 x_3 x_4 y_1 y_5 - x_2^2 x_3 x_5 y_1 y_4 + x_2^2 x_4 x_5 y_1 y_3 - x_2^2 y_1 y_3 y_4 y_5 - 2x_2 x_3 x_4 x_5 y_1 y_2 +$$

$$2x_2 x_3 y_1 y_2 y_4 y_5 - 2x_2 x_4 y_1 y_2 y_3 y_5 - 2x_2 x_5 y_1 y_2 y_3 y_4 + x_3 x_4 y_1 y_2^2 y_5 + x_3 x_5 y_1 y_2^2 y_4 -$$

$$x_4 x_5 y_1 y_2^2 y_3 + y_1 y_2^2 y_3 y_4 y_5) + i b^r_{-1,0,-2,0,1,0,-1,0,-1,0}(x_1 x_2^2 x_3 x_4 y_5 + x_1 x_2^2 x_3 x_5 y_4 -$$

$$x_1 x_2^2 x_4 x_5 y_3 + x_1 x_2^2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 x_5 y_2 - 2x_1 x_2 x_3 y_2 y_4 y_5 + 2x_1 x_2 x_4 y_2 y_3 y_5 +$$

$$2x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 + x_1 x_4 x_5 y_2^2 y_3 - x_1 y_2^2 y_3 y_4 y_5 +$$

$$x_2^2 x_3 x_4 x_5 y_1 - x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 + x_2^2 x_5 y_1 y_3 y_4 - 2x_2 x_3 x_4 y_1 y_2 y_5 -$$

$$2x_2 x_3 x_5 y_1 y_2 y_4 + 2x_2 x_4 x_5 y_1 y_2 y_3 - 2x_2 y_1 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 y_2^2 + x_3 y_1 y_2^2 y_4 y_5 -$$

$$x_4 y_1 y_2^2 y_3 y_5 - x_5 y_1 y_2^2 y_3 y_4) + b^r_{-1,0,-2,0,1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 x_5 - x_1 x_2^2 x_3 y_4 y_5 -$$

$$x_1 x_2^2 x_4 y_3 y_5 - x_1 x_2^2 x_5 y_3 y_4 + 2x_1 x_2 x_3 x_4 y_2 y_5 + 2x_1 x_2 x_3 x_5 y_2 y_4 + 2x_1 x_2 x_4 x_5 y_2 y_3 -$$

$$2x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 + x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 + x_1 x_5 y_2^2 y_3 y_4 +$$

$$x_2^2 x_3 x_4 y_1 y_5 + x_2^2 x_3 x_5 y_1 y_4 + x_2^2 x_4 x_5 y_1 y_3 - x_2^2 y_1 y_3 y_4 y_5 - 2x_2 x_3 x_4 x_5 y_1 y_2 +$$

$$2x_2 x_3 y_1 y_2 y_4 y_5 + 2x_2 x_4 y_1 y_2 y_3 y_5 + 2x_2 x_5 y_1 y_2 y_3 y_4 - x_3 x_4 y_1 y_2^2 y_5 - x_3 x_5 y_1 y_2^2 y_4 -$$

$$x_4 x_5 y_1 y_2^2 y_3 + y_1 y_2^2 y_3 y_4 y_5) - i b^r_{-1,0,-2,0,1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 y_5 + x_1 x_2^2 x_3 x_5 y_4 +$$

$$x_1 x_2^2 x_4 x_5 y_3 - x_1 x_2^2 y_3 y_4 y_5 - 2x_1 x_2 x_3 x_4 x_5 y_2 + 2x_1 x_2 x_3 y_2 y_4 y_5 + 2x_1 x_2 x_4 y_2 y_3 y_5 +$$

$$2x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 + x_1 y_2^2 y_3 y_4 y_5 -$$

$$x_2^2 x_3 x_4 x_5 y_1 + x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 + x_2^2 x_5 y_1 y_3 y_4 - 2x_2 x_3 x_4 y_1 y_2 y_5 -$$

$$2x_2 x_3 x_5 y_1 y_2 y_4 - 2x_2 x_4 x_5 y_1 y_2 y_3 + 2x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 - x_3 y_1 y_2^2 y_4 y_5 -$$

$$x_4 y_1 y_2^2 y_3 y_5 - x_5 y_1 y_2^2 y_3 y_4) + b^r_{-1,0,-3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2^3 - 3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 +$$

$$y_1 y_2^3) + i b^r_{-1,0,-3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 - 3x_2 y_1 y_2^2) +$$

$$b^r_{-1,0,-3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_2^3 - 3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) + i b^r_{-1,0,-3,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 - 3x_2 y_1 y_2^2) + b^r_{-1,0,-3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_2^3 -$$

$$3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) + i b^r_{-1,0,-3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 -$$

$$3x_2 y_1 y_2^2) + b^r_{-1,0,-3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_2^3 - 3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) +$$

$$i b^r_{-1,0,-3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 - 3x_2 y_1 y_2^2) + b^r_{-1,0,0,0,-1,0,-1,0,1,1}(x_5^2 +$$

$$y_5^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 -$$

$$y_1 y_3 y_4 y_5) - i b^r_{-1,0,0,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 -$$

$$x_3 x_4 x_5 y_1 - x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b^r_{-1,0,0,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1 x_3 x_4 x_5 +$$

$$x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) -$$

$$i b^r_{-1,0,0,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 -$$

$$x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b^r_{-1,0,0,0,-1,0,-3,0,-1,0}(x_1 x_3 x_4^3 x_5 - 3x_1 x_3 x_4^2 y_4 y_5 -$$

$$3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 - 3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 +$$
$$x_1x_5y_3y_4^3 - x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 + 3x_3x_4y_1y_4^2y_5 + x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 +$$
$$3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5) + ib^r_{-1,0,0,0,-1,0,-3,0,-1,0}(x_1x_3x_4^3y_5 +$$
$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 -$$
$$3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 +$$
$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) +$$
$$b^r_{-1,0,0,0,-1,0,1,0,-3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 -$$
$$3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 +$$
$$x_3x_4y_1y_5^3 + x_3x_5^3y_1y_4 - 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 -$$
$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) + ib^r_{-1,0,0,0,-1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 -$$
$$x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 -$$
$$x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 + 3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 -$$
$$3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 - 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,-1,0,1,0,3,0}(x_1x_3x_4x_5^3 -$$
$$3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 + 3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 +$$
$$x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 + x_3x_5^3y_1y_4 -$$
$$3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) -$$
$$ib^r_{-1,0,0,0,-1,0,1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 -$$
$$x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1 +$$
$$3x_3x_4x_5y_1y_5^2 + 3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 -$$
$$x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 -$$
$$3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 + 3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 -$$
$$x_1x_5y_3y_4^3 - x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 + 3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 -$$
$$3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 + y_1y_3y_4^3y_5) + ib^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1x_3x_4^3y_5 -$$
$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 -$$
$$3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 -$$
$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) +$$
$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 -$$
$$x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - ib^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 -$$
$$x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$
$$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 - 3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 -$$
$$3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5 + x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 -$$
$$3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 + 3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 -$$
$$y_1y_3^3y_4y_5) + ib^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3 -$$
$$3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5 +$$
$$x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 - 3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 - 3x_3x_4x_5y_1y_3^2 +$$
$$3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 + x_5y_1y_3^3y_4) + b^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 +$$
$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 -$$
$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 + x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 -$$
$$3x_3x_4y_1y_3^2y_5 - 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 - y_1y_3^3y_4y_5) -$$
$$ib^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 -$$
$$3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 + x_3^3y_1y_4y_5 -$$
$$3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 - 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 +$$

$x_5y_1y_3^3y_4) + b^r_{-1,0,0,0,1,0,-1,0,-3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 +$

$3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 +$

$x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 + x_4x_5^3y_1y_3 - 3x_4x_5y_1y_3y_5^2 -$

$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) + ib^r_{-1,0,0,0,1,0,-1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 +$

$x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 -$

$x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 +$

$3x_4x_5^2y_1y_3y_5 - x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 - 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,1,0,-1,0,3,0}(x_1x_3x_4x_5^3 -$

$3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 +$

$x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 +$

$3x_3x_5y_1y_4y_5^2 + x_4x_5^3y_1y_3 - 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) -$

$ib^r_{-1,0,0,0,1,0,-1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 +$

$x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1 +$

$3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 + 3x_4x_5^2y_1y_3y_5 - x_4y_1y_3y_5^3 -$

$x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 -$

$3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 + 3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 -$

$x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 - 3x_3x_4y_1y_4^2y_5 + x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 +$

$3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5) - ib^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1x_3x_4^3y_5 -$

$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 -$

$3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 +$

$x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 - 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) +$

$b^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 +$

$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) + ib^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 -$

$x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) +$

$b^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 +$

$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) + ib^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 -$

$x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) +$

$b^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 -$

$3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 -$

$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2 +$

$y_1y_3y_4^3y_5) - ib^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 -$

$x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 - 3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 +$

$3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 -$

$3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) + b^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 +$

$x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) +$

$ib^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 +$

$x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) + b^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 +$

$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 -$

$x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 +$

$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) +$

$ib^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 -$

$3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 + x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 +$

$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 - 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5 -$

$$x_5 y_1 y_3^3 y_4) + b^r_{-1,0,0,0,3,0,1,0,1,0}(x_1 x_3^3 x_4 x_5 - x_1 x_3^3 y_4 y_5 - 3x_1 x_3^2 x_4 y_3 y_5 - 3x_1 x_3^2 x_5 y_3 y_4 -$$

$$3x_1 x_3 x_4 x_5 y_3^2 + 3x_1 x_3 y_3^2 y_4 y_5 + x_1 x_4 y_3^3 y_5 + x_1 x_5 y_3^3 y_4 + x_3^3 x_4 y_1 y_5 + x_3^3 x_5 y_1 y_4 +$$

$$3x_3^2 x_4 x_5 y_1 y_3 - 3x_3^2 y_1 y_3 y_4 y_5 - 3x_3 x_4 y_1 y_3^2 y_5 - 3x_3 x_5 y_1 y_3^2 y_4 - x_4 x_5 y_1 y_3^3 +$$

$$y_1 y_3^3 y_4 y_5) - i b^r_{-1,0,0,0,3,0,1,0,1,0}(x_1 x_3^3 x_4 y_5 + x_1 x_3^3 x_5 y_4 + 3x_1 x_3^2 x_4 x_5 y_3 -$$

$$3x_1 x_3^2 y_3 y_4 y_5 - 3x_1 x_3 x_4 y_3^2 y_5 - 3x_1 x_3 x_5 y_3^2 y_4 - x_1 x_4 x_5 y_3^3 + x_1 y_3^3 y_4 y_5 -$$

$$x_3^3 x_4 x_5 y_1 + x_3^3 y_1 y_4 y_5 + 3x_3^2 x_4 y_1 y_3 y_5 + 3x_3^2 x_5 y_1 y_3 y_4 + 3x_3 x_4 x_5 y_1 y_3^2 -$$

$$3x_3 y_1 y_3^2 y_4 y_5 - x_4 y_1 y_3^3 y_5 - x_5 y_1 y_3^3 y_4) + b^r_{-1,0,0,0,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1 x_3 x_4 x_5 +$$

$$x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) -$$

$$i b^r_{-1,0,0,0,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 -$$

$$x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b^r_{-1,0,0,0,1,1,0,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 +$$

$$x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 - x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 + x_4 x_5 y_1 y_3 + y_1 y_3 y_4 y_5) +$$

$$i b^r_{-1,0,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 +$$

$$x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 - x_5 y_1 y_3 y_4) + b^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 +$$

$$2x_1 x_3 y_2 y_3 - 2x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 - y_1 y_2 y_3^2) + i b^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1 x_2 x_3 y_3 -$$

$$x_1 x_3^2 y_2 + x_1 y_2 y_3^2 + x_2 x_3^2 y_1 - x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) + b^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 + 2x_1 x_3 y_2 y_3 - 2x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 - y_1 y_2 y_3^2) +$$

$$i b^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 + x_2 x_3^2 y_1 - x_2 y_1 y_3^2 +$$

$$2x_3 y_1 y_2 y_3) + b^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 + 2x_1 x_3 y_2 y_3 - 2x_2 x_3 y_1 y_3 +$$

$$x_3^2 y_1 y_2 - y_1 y_2 y_3^2) + i b^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 +$$

$$x_2 x_3^2 y_1 - x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) + b^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 +$$

$$2x_1 x_4 y_2 y_4 - 2x_2 x_4 y_1 y_4 + x_4^2 y_1 y_2 - y_1 y_2 y_4^2) + i b^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(2x_1 x_2 x_4 y_4 -$$

$$x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 + 2x_4 y_1 y_2 y_4) + b^r_{-1,0,1,0,0,0,-2,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 + 2x_1 x_4 y_2 y_4 - 2x_2 x_4 y_1 y_4 + x_4^2 y_1 y_2 - y_1 y_2 y_4^2) +$$

$$i b^r_{-1,0,1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(2x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 +$$

$$2x_4 y_1 y_2 y_4) + b^r_{-1,0,1,0,0,0,0,0,0,-4,0}(x_1 x_2 x_5^4 - 6x_1 x_2 x_5^2 y_5^2 + x_1 x_2 y_5^4 + 4x_1 x_5^3 y_2 y_5 -$$

$$4x_1 x_5 y_2 y_5^3 - 4x_2 x_5^3 y_1 y_5 + 4x_2 x_5 y_1 y_5^3 + x_5^4 y_1 y_2 - 6x_5^2 y_1 y_2 y_5^2 + y_1 y_2 y_5^4) +$$

$$i b^r_{-1,0,1,0,0,0,0,0,0,-4,0}(4x_1 x_2 x_5^3 y_5 - 4x_1 x_2 x_5 y_5^3 - x_1 x_5^4 y_2 + 6x_1 x_5^2 y_2 y_5^2 - x_1 y_2 y_5^4 +$$

$$x_2 x_5^4 y_1 - 6x_2 x_5^2 y_1 y_5^2 + x_2 y_1 y_5^4 + 4x_5^3 y_1 y_2 y_5 - 4x_5 y_1 y_2 y_5^3) + b^r_{-1,0,1,0,0,0,0,0,0,2,1}(x_5^2 +$$

$$y_5^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 - 2x_1 x_5 y_2 y_5 + 2x_2 x_5 y_1 y_5 + x_5^2 y_1 y_2 - y_1 y_2 y_5^2) -$$

$$i b^r_{-1,0,1,0,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 - x_2 x_5^2 y_1 + x_2 y_1 y_5^2 +$$

$$2x_5 y_1 y_2 y_5) + b^r_{-1,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 - 2x_1 x_5 y_2 y_5 + 2x_2 x_5 y_1 y_5 +$$

$$x_5^2 y_1 y_2 - y_1 y_2 y_5^2) - i b^r_{-1,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 -$$

$$x_2 x_5^2 y_1 + x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) + b^r_{-1,0,1,0,0,0,0,2,0,-2,0}(x_1 x_2 x_4^2 x_5^2 - x_1 x_2 x_4^2 y_5^2 +$$

$$4x_1 x_2 x_4 x_5 y_4 y_5 - x_1 x_2 x_5^2 y_4^2 + x_1 x_2 y_4^2 y_5^2 + 2x_1 x_4^2 x_5 y_2 y_5 - 2x_1 x_4 x_5^2 y_2 y_4 +$$

$$2x_1 x_4 y_2 y_4 y_5^2 - 2x_1 x_5 y_2 y_4^2 y_5 - 2x_2 x_4^2 x_5 y_1 y_5 + 2x_2 x_4 x_5^2 y_1 y_4 - 2x_2 x_4 y_1 y_4 y_5^2 +$$

$$2x_2 x_5 y_1 y_4^2 y_5 + x_4^2 x_5^2 y_1 y_2 - x_4^2 y_1 y_2 y_5^2 + 4x_4 x_5 y_1 y_2 y_4 y_5 - x_5^2 y_1 y_2 y_4^2 +$$

$$y_1 y_2 y_4^2 y_5^2) + i b^r_{-1,0,1,0,0,0,0,2,0,-2,0}(2x_1 x_2 x_4^2 x_5 y_5 - 2x_1 x_2 x_4 x_5^2 y_4 + 2x_1 x_2 x_4 y_4 y_5^2 -$$

$$2x_1 x_2 x_5 y_4^2 y_5 - x_1 x_4^2 x_5^2 y_2 + x_1 x_4^2 y_2 y_5^2 - 4x_1 x_4 x_5 y_2 y_4 y_5 + x_1 x_5^2 y_2 y_4^2 -$$

$$x_1 y_2 y_4^2 y_5^2 + x_2 x_4^2 x_5^2 y_1 - x_2 x_4^2 y_1 y_5^2 + 4x_2 x_4 x_5 y_1 y_4 y_5 - x_2 x_5^2 y_1 y_4^2 +$$

$$x_2 y_1 y_4^2 y_5^2 + 2x_4^2 x_5 y_1 y_2 y_5 - 2x_4 x_5^2 y_1 y_2 y_4 + 2x_4 y_1 y_2 y_4 y_5^2 - 2x_5 y_1 y_2 y_4^2 y_5) +$$

$$b^r_{-1,0,1,0,0,0,4,0,0,0}(x_1 x_2 x_4^4 - 6x_1 x_2 x_4^2 y_4^2 + x_1 x_2 y_4^4 - 4x_1 x_4^3 y_2 y_4 + 4x_1 x_4 y_2 y_4^3 +$$

$$4x_2 x_4^3 y_1 y_4 - 4x_2 x_4 y_1 y_4^3 + x_4^4 y_1 y_2 - 6x_4^2 y_1 y_2 y_4^2 + y_1 y_2 y_4^4) -$$

$$ib^r_{-1,0,1,0,0,0,4,0,0,0}(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 + x_1x_4^4y_2 - 6x_1x_4^2y_2y_4^2 + x_1y_2y_4^4 -$$
$$x_2x_4^4y_1 + 6x_2x_4^2y_1y_4^2 - x_2y_1y_4^4 + 4x_4^3y_1y_2y_4 - 4x_4y_1y_2y_4^3) + b^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 +$$
$$y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) +$$
$$ib^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 +$$
$$2x_4y_1y_2y_4) + b^r_{-1,0,1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 +$$
$$x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{-1,0,1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 -$$
$$x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,0,1,0,2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 +$$
$$4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 +$$
$$2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 - 2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 - 2x_2x_3y_1y_3y_5^2 +$$
$$2x_2x_5y_1y_3^2y_5 + x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2 +$$
$$y_1y_2y_3^2y_5^2) + ib^r_{-1,0,1,0,2,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 -$$
$$2x_1x_2x_5y_3^2y_5 - x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5 + x_1x_5^2y_2y_3^2 -$$
$$x_1y_2y_3^2y_5^2 + x_2x_3^2x_5^2y_1 - x_2x_3^2y_1y_5^2 + 4x_2x_3x_5y_1y_3y_5 - x_2x_5^2y_1y_3^2 +$$
$$x_2y_1y_3^2y_5^2 + 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 - 2x_5y_1y_2y_3^2y_5) +$$
$$b^r_{-1,0,1,0,2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$$
$$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 +$$
$$2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 - 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 -$$
$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) -$$
$$ib^r_{-1,0,1,0,2,0,2,0,0,0}(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 +$$
$$x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2 -$$
$$x_2x_3^2x_4^2y_1 + x_2x_3^2y_1y_4^2 + 4x_2x_3x_4y_1y_3y_4 + x_2x_4^2y_1y_3^2 - x_2y_1y_3^2y_4^2 +$$
$$2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 - 2x_4y_1y_2y_3^2y_4) +$$
$$b^r_{-1,0,1,0,4,0,0,0,0,0}(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 +$$
$$4x_2x_3^3y_1y_3 - 4x_2x_3y_1y_3^3 + x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) -$$
$$ib^r_{-1,0,1,0,4,0,0,0,0,0}(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 + x_1x_3^4y_2 - 6x_1x_3^2y_2y_3^2 + x_1y_2y_3^4 -$$
$$x_2x_3^4y_1 + 6x_2x_3^2y_1y_3^2 - x_2y_1y_3^4 + 4x_3^3y_1y_2y_3 - 4x_3y_1y_2y_3^3) + b^r_{-1,0,1,1,-2,0,0,0,0,0}(x_2^2 +$$
$$y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) +$$
$$ib^r_{-1,0,1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2 +$$
$$2x_3y_1y_2y_3) + b^r_{-1,0,1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 +$$
$$x_4^2y_1y_2 - y_1y_2y_4^2) + ib^r_{-1,0,1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 +$$
$$x_2x_4^2y_1 - x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{-1,0,1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 -$$
$$2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{-1,0,1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 +$$
$$x_1x_5^2y_2 - x_1y_2y_5^2 - x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,0,2,0,-1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 -$$
$$x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 +$$
$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 +$$
$$x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 +$$
$$2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 +$$
$$x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) + ib^r_{-1,0,2,0,-1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5 +$$
$$x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 +$$
$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 +$$
$$x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 +$$
$$2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 + 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 +$$

$$x_3 y_1 y_2^2 y_4 y_5 + x_4 y_1 y_2^2 y_3 y_5 + x_5 y_1 y_2^2 y_3 y_4) + b^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 x_5 -$$

$$x_1 x_2^2 x_3 y_4 y_5 + x_1 x_2^2 x_4 y_3 y_5 + x_1 x_2^2 x_5 y_3 y_4 - 2 x_1 x_2 x_3 x_4 y_2 y_5 - 2 x_1 x_2 x_3 x_5 y_2 y_4 +$$

$$2 x_1 x_2 x_4 x_5 y_2 y_3 - 2 x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 + x_1 x_3 y_2^2 y_4 y_5 - x_1 x_4 y_2^2 y_3 y_5 -$$

$$x_1 x_5 y_2^2 y_3 y_4 + x_2^2 x_3 x_4 y_1 y_5 + x_2^2 x_3 x_5 y_1 y_4 - x_2^2 x_4 x_5 y_1 y_3 + x_2^2 y_1 y_3 y_4 y_5 +$$

$$2 x_2 x_3 x_4 x_5 y_1 y_2 - 2 x_2 x_3 y_1 y_2 y_4 y_5 + 2 x_2 x_4 y_1 y_2 y_3 y_5 + 2 x_2 x_5 y_1 y_2 y_3 y_4 - x_3 x_4 y_1 y_2^2 y_5 -$$

$$x_3 x_5 y_1 y_2^2 y_4 + x_4 x_5 y_1 y_2^2 y_3 - y_1 y_2^2 y_3 y_4 y_5) - i b^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 y_5 +$$

$$x_1 x_2^2 x_3 x_5 y_4 - x_1 x_2^2 x_4 x_5 y_3 + x_1 x_2^2 y_3 y_4 y_5 + 2 x_1 x_2 x_3 x_4 x_5 y_2 - 2 x_1 x_2 x_3 y_2 y_4 y_5 +$$

$$2 x_1 x_2 x_4 y_2 y_3 y_5 + 2 x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 + x_1 x_4 x_5 y_2^2 y_3 -$$

$$x_1 y_2^2 y_3 y_4 y_5 - x_2^2 x_3 x_4 x_5 y_1 + x_2^2 x_3 y_1 y_4 y_5 - x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 +$$

$$2 x_2 x_3 x_4 y_1 y_2 y_5 + 2 x_2 x_3 x_5 y_1 y_2 y_4 - 2 x_2 x_4 x_5 y_1 y_2 y_3 + 2 x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 -$$

$$x_3 y_1 y_2^2 y_4 y_5 + x_4 y_1 y_2^2 y_3 y_5 + x_5 y_1 y_2^2 y_3 y_4) + b^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1 x_2^2 x_3 x_4 x_5 +$$

$$x_1 x_2^2 x_3 y_4 y_5 - x_1 x_2^2 x_4 y_3 y_5 + x_1 x_2^2 x_5 y_3 y_4 - 2 x_1 x_2 x_3 x_4 y_2 y_5 + 2 x_1 x_2 x_3 x_5 y_2 y_4 -$$

$$2 x_1 x_2 x_4 x_5 y_2 y_3 - 2 x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 - x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 -$$

$$x_1 x_5 y_2^2 y_3 y_4 + x_2^2 x_3 x_4 y_1 y_5 - x_2^2 x_3 x_5 y_1 y_4 + x_2^2 x_4 x_5 y_1 y_3 + x_2^2 y_1 y_3 y_4 y_5 +$$

$$2 x_2 x_3 x_4 x_5 y_1 y_2 + 2 x_2 x_3 y_1 y_2 y_4 y_5 - 2 x_2 x_4 y_1 y_2 y_3 y_5 + 2 x_2 x_5 y_1 y_2 y_3 y_4 - x_3 x_4 y_1 y_2^2 y_5 +$$

$$x_3 x_5 y_1 y_2^2 y_4 - x_4 x_5 y_1 y_2^2 y_3 - y_1 y_2^2 y_3 y_4 y_5) - i b^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1 x_2^2 x_3 x_4 y_5 -$$

$$x_1 x_2^2 x_3 x_5 y_4 + x_1 x_2^2 x_4 x_5 y_3 + x_1 x_2^2 y_3 y_4 y_5 + 2 x_1 x_2 x_3 x_4 x_5 y_2 + 2 x_1 x_2 x_3 y_2 y_4 y_5 -$$

$$2 x_1 x_2 x_4 y_2 y_3 y_5 + 2 x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 + x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 -$$

$$x_1 y_2^2 y_3 y_4 y_5 - x_2^2 x_3 x_4 x_5 y_1 - x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 +$$

$$2 x_2 x_3 x_4 y_1 y_2 y_5 - 2 x_2 x_3 x_5 y_1 y_2 y_4 + 2 x_2 x_4 x_5 y_1 y_2 y_3 + 2 x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 +$$

$$x_3 y_1 y_2^2 y_4 y_5 - x_4 y_1 y_2^2 y_3 y_5 + x_5 y_1 y_2^2 y_3 y_4) + b^r_{-1,0,3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2^3 -$$

$$3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 - y_1 y_2^3) - i b^r_{-1,0,3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 +$$

$$3 x_2 y_1 y_2^2) + b^r_{-1,0,3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 - y_1 y_2^3) -$$

$$i b^r_{-1,0,3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) + b^r_{-1,0,3,0,0,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 - y_1 y_2^3) - i b^r_{-1,0,3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(3 x_1 x_2^2 y_2 -$$

$$x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) + b^r_{-1,0,3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 + 3 x_2^2 y_1 y_2 -$$

$$y_1 y_2^3) - i b^r_{-1,0,3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3 x_2 y_1 y_2^2) +$$

$$b^r_{-1,1,-1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 - 2 x_1 x_5 y_2 y_5 - 2 x_2 x_5 y_1 y_5 - x_5^2 y_1 y_2 +$$

$$y_1 y_2 y_5^2) + i b^r_{-1,1,-1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 + x_2 x_5^2 y_1 -$$

$$x_2 y_1 y_5^2 - 2 x_5 y_1 y_2 y_5) + b^r_{-1,1,-1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 + 2 x_1 x_4 y_2 y_4 +$$

$$2 x_2 x_4 y_1 y_4 - x_4^2 y_1 y_2 + y_1 y_2 y_4^2) - i b^r_{-1,1,-1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 +$$

$$x_1 y_2 y_4^2 - x_2 x_4^2 y_1 + x_2 y_1 y_4^2 - 2 x_4 y_1 y_2 y_4) + b^r_{-1,1,-1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 x_3^2 -$$

$$x_1 x_2 y_3^2 + 2 x_1 x_3 y_2 y_3 + 2 x_2 x_3 y_1 y_3 - x_3^2 y_1 y_2 + y_1 y_2 y_3^2) - i b^r_{-1,1,-1,0,2,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(2 x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 - 2 x_3 y_1 y_2 y_3) +$$

$$b^r_{-1,1,-3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2^3 - 3 x_1 x_2 y_2^2 - 3 x_2^2 y_1 y_2 + y_1 y_2^3) + i b^r_{-1,1,-3,0,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(3 x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 - 3 x_2 y_1 y_2^2) + b^r_{-1,1,0,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 +$$

$$x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) -$$

$$i b^r_{-1,1,0,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 -$$

$$x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b^r_{-1,1,0,0,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 +$$

$$x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 - x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 + x_4 x_5 y_1 y_3 + y_1 y_3 y_4 y_5) +$$

$$i b^r_{-1,1,0,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 +$$

$$x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 - x_5 y_1 y_3 y_4) + b^r_{-1,1,1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 +$$

$$2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + ib^r_{-1,1,1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1x_2x_3y_3 -$$

$$x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{-1,1,1,0,0,0,-2,0,0,0}(x_1^2 +$$

$$y_1^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) +$$

$$ib^r_{-1,1,1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 +$$

$$2x_4y_1y_2y_4) + b^r_{-1,1,1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 +$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{-1,1,1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 -$$

$$x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,1,3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2^3 - 3x_1x_2y_2^2 +$$

$$3x_2^2y_1y_2 - y_1y_2^3) - ib^r_{-1,1,3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(3x_1x_2^2y_2 - x_1y_2^3 - x_2^3y_1 + 3x_2y_1y_2^2) +$$

$$b^r_{-2,0,-1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 -$$

$$x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 - x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 +$$

$$2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 - 2x_1x_3x_4x_5y_1y_2 -$$

$$2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 - x_2x_3y_1^2y_4y_5 +$$

$$x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 + x_4x_5y_1^2y_2y_3 +$$

$$y_1^2y_2y_3y_4y_5) + ib^r_{-2,0,-1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 + x_1^2x_2x_4x_5y_3 +$$

$$x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 + x_1^2x_5y_2y_3y_4 +$$

$$2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) + b^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 +$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 -$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) + ib^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 +$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) + b^r_{-2,0,-1,0,1,0,1,0,1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 -$$

$$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 -$$

$$x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) - ib^r_{-2,0,-1,0,1,0,1,0,1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 +$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) + 2ib^r_{-2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) +$$

$$b^r_{-2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2) +$$

$$2ib^r_{-2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) + b^r_{-2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2 - x_1y_2 -$$

$$x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2) + 2ib^r_{-2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - y_1y_2)(x_1y_2 +$$

$$x_2y_1) + b^r_{-2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2) +$$

$$2ib^r_{-2,0,-2,1,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1x_2-y_1y_2)(x_1y_2+x_2y_1)+b^r_{-2,0,-2,1,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1x_2-x_1y_2-$$
$$x_2y_1-y_1y_2)(x_1x_2+x_1y_2+x_2y_1-y_1y_2)+2ib^r_{-2,0,0,0,-2,0,-2,0,0,0}(x_1x_3x_4-x_1y_3y_4-x_3y_1y_4-$$
$$x_4y_1y_3)(x_1x_3y_4+x_1x_4y_3+x_3x_4y_1-y_1y_3y_4)+b^r_{-2,0,0,0,-2,0,-2,0,0,0}(x_1x_3x_4-x_1x_3y_4-x_1x_4y_3-$$
$$x_1y_3y_4-x_3x_4y_1-x_3y_1y_4-x_4y_1y_3+y_1y_3y_4)(x_1x_3x_4+x_1x_3y_4+x_1x_4y_3-x_1y_3y_4+$$
$$x_3x_4y_1-x_3y_1y_4-x_4y_1y_3-y_1y_3y_4)-2ib^r_{-2,0,0,0,-2,0,0,0,2,0}(x_1x_3x_5+x_1y_3y_5+x_3y_1y_5-$$
$$x_5y_1y_3)(x_1x_3y_5-x_1x_5y_3-x_3x_5y_1-y_1y_3y_5)+b^r_{-2,0,0,0,-2,0,0,0,2,0}(x_1x_3x_5-x_1x_3y_5+x_1x_5y_3+$$
$$x_1y_3y_5+x_3x_5y_1+x_3y_1y_5-x_5y_1y_3+y_1y_3y_5)(x_1x_3x_5+x_1x_3y_5-x_1x_5y_3+x_1y_3y_5-$$
$$x_3x_5y_1+x_3y_1y_5-x_5y_1y_3-y_1y_3y_5)+2ib^r_{-2,0,0,0,-4,0,0,0,0,0}(x_1x_3^2-x_1y_3^2-2x_3y_1y_3)(2x_1x_3y_3+$$
$$x_3^2y_1-y_1y_3^2)+b^r_{-2,0,0,0,-4,0,0,0,0,0}(x_1x_3^2-2x_1x_3y_3-x_1y_3^2-x_3^2y_1-2x_3y_1y_3+$$
$$y_1y_3^2)(x_1x_3^2+2x_1x_3y_3-x_1y_3^2+x_3^2y_1-2x_3y_1y_3-y_1y_3^2)-2ib^r_{-2,0,0,0,0,0,-2,0,2,0}(x_1x_4x_5+$$
$$x_1y_4y_5+x_4y_1y_5-x_5y_1y_4)(x_1x_4y_5-x_1x_5y_4-x_4x_5y_1-y_1y_4y_5)+b^r_{-2,0,0,0,0,0,-2,0,2,0}(x_1x_4x_5-$$
$$x_1x_4y_5+x_1x_5y_4+x_1y_4y_5+x_4x_5y_1+x_4y_1y_5-x_5y_1y_4+y_1y_4y_5)(x_1x_4x_5+x_1x_4y_5-$$
$$x_1x_5y_4+x_1y_4y_5-x_4x_5y_1+x_4y_1y_5-x_5y_1y_4-y_1y_4y_5)+2ib^r_{-2,0,0,0,0,0,-4,0,0,0}(x_1x_4^2-x_1y_4^2-$$
$$2x_4y_1y_4)(2x_1x_4y_4+x_4^2y_1-y_1y_4^2)+b^r_{-2,0,0,0,0,0,-4,0,0,0}(x_1x_4^2-2x_1x_4y_4-x_1y_4^2-x_4^2y_1-$$
$$2x_4y_1y_4+y_1y_4^2)(x_1x_4^2+2x_1x_4y_4-x_1y_4^2+x_4^2y_1-2x_4y_1y_4-y_1y_4^2)+$$
$$2ib^r_{-2,0,0,0,0,0,0,0,0,-2,1}(x_5^2+y_5^2)(x_1x_5-y_1y_5)(x_1y_5+x_5y_1)+b^r_{-2,0,0,0,0,0,0,0,0,-2,1}(x_5^2+y_5^2)(x_1x_5-x_1y_5-$$
$$x_5y_1-y_1y_5)(x_1x_5+x_1y_5+x_5y_1-y_1y_5)-2ib^r_{-2,0,0,0,0,0,0,0,0,4,0}(x_1x_5^2-x_1y_5^2+2x_5y_1y_5)(2x_1x_5y_5-$$
$$x_5^2y_1+y_1y_5^2)+b^r_{-2,0,0,0,0,0,0,0,0,4,0}(x_1x_5^2-2x_1x_5y_5-x_1y_5^2+x_5^2y_1+2x_5y_1y_5-$$
$$y_1y_5^2)(x_1x_5^2+2x_1x_5y_5-x_1y_5^2-x_5^2y_1+2x_5y_1y_5+y_1y_5^2)+2ib^r_{-2,0,0,0,0,0,0,0,1,-2,0}(x_4^2+$$
$$y_4^2)(x_1x_5-y_1y_5)(x_1y_5+x_5y_1)+b^r_{-2,0,0,0,0,0,0,0,1,-2,0}(x_4^2+y_4^2)(x_1x_5-x_1y_5-x_5y_1-y_1y_5)(x_1x_5+$$
$$x_1y_5+x_5y_1-y_1y_5)-2ib^r_{-2,0,0,0,0,0,0,2,0,0,1}(x_5^2+y_5^2)(x_1x_4+y_1y_4)(x_1y_4-x_4y_1)+$$
$$b^r_{-2,0,0,0,0,0,0,2,0,0,1}(x_5^2+y_5^2)(x_1x_4-x_1y_4+x_4y_1+y_1y_4)(x_1x_4+x_1y_4-x_4y_1+y_1y_4)-$$
$$2ib^r_{-2,0,0,0,0,0,0,2,1,0,0}(x_4^2+y_4^2)(x_1x_4+y_1y_4)(x_1y_4-x_4y_1)+b^r_{-2,0,0,0,0,0,0,2,1,0,0}(x_4^2+y_4^2)(x_1x_4-x_1y_4+$$
$$x_4y_1+y_1y_4)(x_1x_4+x_1y_4-x_4y_1+y_1y_4)+2ib^r_{-2,0,0,0,0,0,1,0,0,-2,0}(x_3^2+y_3^2)(x_1x_5-y_1y_5)(x_1y_5+$$
$$x_5y_1)+b^r_{-2,0,0,0,0,0,1,0,0,-2,0}(x_3^2+y_3^2)(x_1x_5-x_1y_5-x_5y_1-y_1y_5)(x_1x_5+x_1y_5+x_5y_1-y_1y_5)-$$
$$2ib^r_{-2,0,0,0,0,0,1,2,0,0,0}(x_3^2+y_3^2)(x_1x_4+y_1y_4)(x_1y_4-x_4y_1)+b^r_{-2,0,0,0,0,0,1,2,0,0,0}(x_3^2+y_3^2)(x_1x_4-x_1y_4+$$
$$x_4y_1+y_1y_4)(x_1x_4+x_1y_4-x_4y_1+y_1y_4)-2ib^r_{-2,0,0,0,0,2,0,0,0,0,1}(x_5^2+y_5^2)(x_1x_3+y_1y_3)(x_1y_3-$$
$$x_3y_1)+b^r_{-2,0,0,0,0,2,0,0,0,0,1}(x_5^2+y_5^2)(x_1x_3-x_1y_3+x_3y_1+y_1y_3)(x_1x_3+x_1y_3-x_3y_1+y_1y_3)-$$
$$2ib^r_{-2,0,0,0,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_1x_3+y_1y_3)(x_1y_3-x_3y_1)+b^r_{-2,0,0,0,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_1x_3-x_1y_3+$$
$$x_3y_1+y_1y_3)(x_1x_3+x_1y_3-x_3y_1+y_1y_3)-2ib^r_{-2,0,0,0,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_1x_3+y_1y_3)(x_1y_3-$$
$$x_3y_1)+b^r_{-2,0,0,0,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_1x_3-x_1y_3+x_3y_1+y_1y_3)(x_1x_3+x_1y_3-x_3y_1+y_1y_3)+$$
$$2ib^r_{-2,0,0,1,0,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_1x_5-y_1y_5)(x_1y_5+x_5y_1)+b^r_{-2,0,0,1,0,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_1x_5-x_1y_5-$$
$$x_5y_1-y_1y_5)(x_1x_5+x_1y_5+x_5y_1-y_1y_5)-2ib^r_{-2,0,0,1,0,0,2,0,0,0,0}(x_2^2+y_2^2)(x_1x_4+y_1y_4)(x_1y_4-$$
$$x_4y_1)+b^r_{-2,0,0,1,0,0,2,0,0,0,0}(x_2^2+y_2^2)(x_1x_4-x_1y_4+x_4y_1+y_1y_4)(x_1x_4+x_1y_4-x_4y_1+y_1y_4)-$$
$$2ib^r_{-2,0,0,1,2,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1x_3+y_1y_3)(x_1y_3-x_3y_1)+b^r_{-2,0,0,1,2,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1x_3-x_1y_3+$$
$$x_3y_1+y_1y_3)(x_1x_3+x_1y_3-x_3y_1+y_1y_3)+b^r_{-2,0,1,0,-1,0,-1,0,1,0}(x_1^2x_2x_3x_4x_5+x_1^2x_2x_3y_4y_5+$$
$$x_1^2x_2x_4y_3y_5-x_1^2x_2x_5y_3y_4-x_1^2x_3x_4y_2y_5+x_1^2x_3x_5y_2y_4+x_1^2x_4x_5y_2y_3+$$
$$x_1^2y_2y_3y_4y_5+2x_1x_2x_3x_4y_1y_5-2x_1x_2x_3x_5y_1y_4-2x_1x_2x_4x_5y_1y_3-2x_1x_2y_1y_3y_4y_5+$$
$$2x_1x_3x_4x_5y_1y_2+2x_1x_3y_1y_2y_4y_5+2x_1x_4y_1y_2y_3y_5-2x_1x_5y_1y_2y_3y_4-x_2x_3x_4x_5y_1^2-$$
$$x_2x_3y_1^2y_4y_5-x_2x_4y_1^2y_3y_5+x_2x_5y_1^2y_3y_4+x_3x_4y_1^2y_2y_5-x_3x_5y_1^2y_2y_4-$$
$$x_4x_5y_1^2y_2y_3-y_1^2y_2y_3y_4y_5)-ib^r_{-2,0,1,0,-1,0,-1,0,1,0}(x_1^2x_2x_3x_4y_5-x_1^2x_2x_3x_5y_4-$$
$$x_1^2x_2x_4x_5y_3-x_1^2x_2y_3y_4y_5+x_1^2x_3x_4x_5y_2+x_1^2x_3y_2y_4y_5+x_1^2x_4y_2y_3y_5-$$

$$x_1^2 x_5 y_2 y_3 y_4 - 2x_1 x_2 x_3 x_4 x_5 y_1 - 2x_1 x_2 x_3 y_1 y_4 y_5 - 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 +$$

$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 - 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 +$$

$$x_2 x_3 x_5 y_1^2 y_4 + x_2 x_4 x_5 y_1^2 y_3 + x_2 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^2 y_2 - x_3 y_1^2 y_2 y_4 y_5 -$$

$$x_4 y_1^2 y_2 y_3 y_5 + x_5 y_1^2 y_2 y_3 y_4) + b_{-2,0,1,0,1,0,1,0,-1,0}^r (x_1^2 x_2 x_3 x_4 x_5 + x_1^2 x_2 x_3 y_4 y_5 +$$

$$x_1^2 x_2 x_4 y_3 y_5 - x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 -$$

$$x_1^2 y_2 y_3 y_4 y_5 - 2x_1 x_2 x_3 x_4 y_1 y_5 + 2x_1 x_2 x_3 x_5 y_1 y_4 + 2x_1 x_2 x_4 x_5 y_1 y_3 + 2x_1 x_2 y_1 y_3 y_4 y_5 +$$

$$2x_1 x_3 x_4 x_5 y_1 y_2 + 2x_1 x_3 y_1 y_2 y_4 y_5 + 2x_1 x_4 y_1 y_2 y_3 y_5 - 2x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 -$$

$$x_2 x_3 y_1^2 y_4 y_5 - x_2 x_4 y_1^2 y_3 y_5 + x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 + x_3 x_5 y_1^2 y_2 y_4 +$$

$$x_4 x_5 y_1^2 y_2 y_3 + y_1^2 y_2 y_3 y_4 y_5) + i b_{-2,0,1,0,1,0,1,0,-1,0}^r (x_1^2 x_2 x_3 x_4 y_5 - x_1^2 x_2 x_3 x_5 y_4 -$$

$$x_1^2 x_2 x_4 x_5 y_3 - x_1^2 x_2 y_3 y_4 y_5 - x_1^2 x_3 x_4 x_5 y_2 - x_1^2 x_3 y_2 y_4 y_5 - x_1^2 x_4 y_2 y_3 y_5 +$$

$$x_1^2 x_5 y_2 y_3 y_4 + 2x_1 x_2 x_3 x_4 x_5 y_1 + 2x_1 x_2 x_3 y_1 y_4 y_5 + 2x_1 x_2 x_4 y_1 y_3 y_5 - 2x_1 x_2 x_5 y_1 y_3 y_4 +$$

$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 - 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 +$$

$$x_2 x_3 x_5 y_1^2 y_4 + x_2 x_4 x_5 y_1^2 y_3 + x_2 y_1^2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1^2 y_2 + x_3 y_1^2 y_2 y_4 y_5 +$$

$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) + 2 i b_{-2,0,2,0,-2,0,0,0,0,0}^r (x_1 x_2 x_3 + x_1 y_2 y_3 - x_2 y_1 y_3 +$$

$$x_3 y_1 y_2)(x_1 x_2 y_3 - x_1 x_3 y_2 + x_2 x_3 y_1 + y_1 y_2 y_3) + b_{-2,0,2,0,-2,0,0,0,0,0}^r (x_1 x_2 x_3 - x_1 x_2 y_3 + x_1 x_3 y_2 +$$

$$x_1 y_2 y_3 - x_2 x_3 y_1 - x_2 y_1 y_3 + x_3 y_1 y_2 - y_1 y_2 y_3)(x_1 x_2 x_3 + x_1 x_2 y_3 - x_1 x_3 y_2 + x_1 y_2 y_3 +$$

$$x_2 x_3 y_1 - x_2 y_1 y_3 + x_3 y_1 y_2 + y_1 y_2 y_3) + 2 i b_{-2,0,2,0,0,0,0,-2,0,0,0}^r (x_1 x_2 x_4 + x_1 y_2 y_4 - x_2 y_1 y_4 +$$

$$x_4 y_1 y_2)(x_1 x_2 y_4 - x_1 x_4 y_2 + x_2 x_4 y_1 + y_1 y_2 y_4) + b_{-2,0,2,0,0,0,0,-2,0,0,0}^r (x_1 x_2 x_4 - x_1 x_2 y_4 + x_1 x_4 y_2 +$$

$$x_1 y_2 y_4 - x_2 x_4 y_1 - x_2 y_1 y_4 + x_4 y_1 y_2 - y_1 y_2 y_4)(x_1 x_2 x_4 + x_1 x_2 y_4 - x_1 x_4 y_2 + x_1 y_2 y_4 +$$

$$x_2 x_4 y_1 - x_2 y_1 y_4 + x_4 y_1 y_2 + y_1 y_2 y_4) - 2 i b_{-2,0,2,0,0,0,0,0,0,2,0}^r (x_1 x_2 x_5 - x_1 y_2 y_5 + x_2 y_1 y_5 +$$

$$x_5 y_1 y_2)(x_1 x_2 y_5 + x_1 x_5 y_2 - x_2 x_5 y_1 + y_1 y_2 y_5) + b_{-2,0,2,0,0,0,0,0,0,2,0}^r (x_1 x_2 x_5 - x_1 x_2 y_5 - x_1 x_5 y_2 -$$

$$x_1 y_2 y_5 + x_2 x_5 y_1 + x_2 y_1 y_5 + x_5 y_1 y_2 - y_1 y_2 y_5)(x_1 x_2 x_5 + x_1 x_2 y_5 + x_1 x_5 y_2 - x_1 y_2 y_5 -$$

$$x_2 x_5 y_1 + x_2 y_1 y_5 + x_5 y_1 y_2 + y_1 y_2 y_5) - 2 i b_{-2,0,4,0,0,0,0,0,0,0,0}^r (x_1 x_2^2 - x_1 y_2^2 + 2x_2 y_1 y_2)(2x_1 x_2 y_2 -$$

$$x_2^2 y_1 + y_1 y_2^2) + b_{-2,0,4,0,0,0,0,0,0,0,0}^r (x_1 x_2^2 - 2x_1 x_2 y_2 - x_1 y_2^2 + x_2^2 y_1 + 2x_2 y_1 y_2 -$$

$$y_1 y_2^2)(x_1 x_2^2 + 2x_1 x_2 y_2 - x_1 y_2^2 - x_2^2 y_1 + 2x_2 y_1 y_2 + y_1 y_2^2) + 2 i b_{-2,1,-2,0,0,0,0,0,0,0,0}^r (x_1^2 +$$

$$y_1^2)(x_1 x_2 - y_1 y_2)(x_1 y_2 + x_2 y_1) + b_{-2,1,-2,0,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2 - x_1 y_2 - x_2 y_1 - y_1 y_2)(x_1 x_2 +$$

$$x_1 y_2 + x_2 y_1 - y_1 y_2) + 2 i b_{-2,1,0,0,0,0,0,0,0,-2,0}^r (x_1^2 + y_1^2)(x_1 x_5 - y_1 y_5)(x_1 y_5 + x_5 y_1) +$$

$$b_{-2,1,0,0,0,0,0,0,0,-2,0}^r (x_1^2 + y_1^2)(x_1 x_5 - x_1 y_5 - x_5 y_1 - y_1 y_5)(x_1 x_5 + x_1 y_5 + x_5 y_1 - y_1 y_5) -$$

$$2 i b_{-2,1,0,0,0,0,0,2,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_4 + y_1 y_4)(x_1 y_4 - x_4 y_1) + b_{-2,1,0,0,0,0,0,2,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_4 - x_1 y_4 +$$

$$x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 + y_1 y_4) - 2 i b_{-2,1,0,0,0,2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_3 + y_1 y_3)(x_1 y_3 -$$

$$x_3 y_1) + b_{-2,1,0,0,0,2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_3 - x_1 y_3 + x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) +$$

$$b_{-3,0,-1,0,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + i b_{-3,0,-1,0,0,0,0,0,0,0,1}^r (x_5^2 +$$

$$y_5^2)(x_1^3 y_2 + 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + b_{-3,0,-1,0,0,0,0,1,0,0,0}^r (x_4^2 + y_4^2)(x_1^3 x_2 -$$

$$3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + i b_{-3,0,-1,0,0,0,0,1,0,0,0}^r (x_4^2 + y_4^2)(x_1^3 y_2 + 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 -$$

$$x_2 y_1^3) + b_{-3,0,-1,0,0,1,0,0,0,0,0}^r (x_3^2 + y_3^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) +$$

$$i b_{-3,0,-1,0,0,1,0,0,0,0,0}^r (x_3^2 + y_3^2)(x_1^3 y_2 + 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + b_{-3,0,-1,1,0,0,0,0,0,0,0}^r (x_2^2 +$$

$$y_2^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + i b_{-3,0,-1,1,0,0,0,0,0,0,0}^r (x_2^2 + y_2^2)(x_1^3 y_2 +$$

$$3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + b_{-3,0,0,0,0,-1,0,1,0,-1,0}^r (x_1^3 x_3 x_4 x_5 + x_1^3 x_3 y_4 y_5 - x_1^3 x_4 y_3 y_5 +$$

$$x_1^3 x_5 y_3 y_4 - 3x_1^2 x_3 x_4 y_1 y_5 + 3x_1^2 x_3 x_5 y_1 y_4 - 3x_1^2 x_4 x_5 y_1 y_3 - 3x_1^2 y_1 y_3 y_4 y_5 -$$

$$3x_1 x_3 x_4 x_5 y_1^2 - 3x_1 x_3 y_1^2 y_4 y_5 + 3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^3 y_5 -$$

$$x_3 x_5 y_1^3 y_4 + x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) + i b_{-3,0,0,0,0,-1,0,1,0,-1,0}^r (x_1^3 x_3 x_4 y_5 - x_1^3 x_3 x_5 y_4 +$$

$$x_1^3 x_4 x_5 y_3 + x_1^3 y_3 y_4 y_5 + 3x_1^2 x_3 x_4 x_5 y_1 + 3x_1^2 x_3 y_1 y_4 y_5 - 3x_1^2 x_4 y_1 y_3 y_5 +$$

$$3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 + 3x_1x_3x_5y_1^2y_4 - 3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 -$$
$$x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5 + x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) + b^r_{-3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4x_5 -$$
$$x_1^3x_3y_4y_5 + x_1^3x_4y_3y_5 + x_1^3x_5y_3y_4 - 3x_1^2x_3x_4y_1y_5 - 3x_1^2x_3x_5y_1y_4 +$$
$$3x_1^2x_4x_5y_1y_3 - 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 - 3x_1x_4y_1^2y_3y_5 -$$
$$3x_1x_5y_1^2y_3y_4 + x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 - x_4x_5y_1^3y_3 + y_1^3y_3y_4y_5) +$$
$$ib^r_{-3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 - x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5 + 3x_1^2x_3x_4x_5y_1 -$$
$$3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 + 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 +$$
$$3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 - x_3x_4x_5y_1^3 + x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) +$$
$$b^r_{-3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 - x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5 +$$
$$3x_1^2x_3x_5y_1y_4 + 3x_1^2x_4x_5y_1y_3 - 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 +$$
$$3x_1x_4y_1^2y_3y_5 + 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5 - x_3x_5y_1^3y_4 - x_4x_5y_1^3y_3 + y_1^3y_3y_4y_5) -$$
$$ib^r_{-3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 + x_1^3x_4x_5y_3 - x_1^3y_3y_4y_5 - 3x_1^2x_3x_4x_5y_1 +$$
$$3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 + 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 -$$
$$3x_1x_4x_5y_1^2y_3 + 3x_1y_1^2y_3y_4y_5 + x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) +$$
$$b^r_{-3,0,1,0,0,0,0,0,0,-2,0}(x_1^3x_2x_5^2 - x_1^3x_2y_5^2 + 2x_1^3x_5y_2y_5 - 6x_1^2x_2x_5y_1y_5 + 3x_1^2x_5^2y_1y_2 -$$
$$3x_1^2y_1y_2y_5^2 - 3x_1x_2x_5^2y_1^2 + 3x_1x_2y_1^2y_5^2 - 6x_1x_5y_1^2y_2y_5 + 2x_2x_5y_1^3y_5 -$$
$$x_5^2y_1^3y_2 + y_1^3y_2y_5^2) + ib^r_{-3,0,1,0,0,0,0,0,0,-2,0}(2x_1^3x_2x_5y_5 - x_1^3x_5^2y_2 + x_1^3y_2y_5^2 +$$
$$3x_1^2x_2x_5^2y_1 - 3x_1^2x_2y_1y_5^2 + 6x_1^2x_5y_1y_2y_5 - 6x_1x_2x_5y_1^2y_5 + 3x_1x_5^2y_1^2y_2 -$$
$$3x_1y_1^2y_2y_5^2 - x_2x_5^2y_1^3 + x_2y_1^3y_5^2 - 2x_5y_1^3y_2y_5) + b^r_{-3,0,1,0,0,0,2,0,0,0}(x_1^3x_2x_4^2 -$$
$$x_1^3x_2y_4^2 - 2x_1^3x_4y_2y_4 + 6x_1^2x_2x_4y_1y_4 + 3x_1^2x_4^2y_1y_2 - 3x_1^2y_1y_2y_4^2 -$$
$$3x_1x_2x_4^2y_1^2 + 3x_1x_2y_1^2y_4^2 + 6x_1x_4y_1^2y_2y_4 - 2x_2x_4y_1^3y_4 - x_4^2y_1^3y_2 + y_1^3y_2y_4^2) -$$
$$ib^r_{-3,0,1,0,0,0,2,0,0,0}(2x_1^3x_2x_4y_4 + x_1^3x_4^2y_2 - x_1^3y_2y_4^2 - 3x_1^2x_2x_4^2y_1 + 3x_1^2x_2y_1y_4^2 +$$
$$6x_1^2x_4y_1y_2y_4 - 6x_1x_2x_4y_1^2y_4 - 3x_1x_4^2y_1^2y_2 + 3x_1y_1^2y_2y_4^2 + x_2x_4^2y_1^3 -$$
$$x_2y_1^3y_4^2 - 2x_4y_1^3y_2y_4) + b^r_{-3,0,1,0,2,0,0,0,0,0}(x_1^3x_2x_3^2 - x_1^3x_2y_3^2 - 2x_1^3x_3y_2y_3 +$$
$$6x_1^2x_2x_3y_1y_3 + 3x_1^2x_3^2y_1y_2 - 3x_1^2y_1y_2y_3^2 - 3x_1x_2x_3^2y_1^2 + 3x_1x_2y_1^2y_3^2 +$$
$$6x_1x_3y_1^2y_2y_3 - 2x_2x_3y_1^3y_3 - x_3^2y_1^3y_2 + y_1^3y_2y_3^2) - ib^r_{-3,0,1,0,2,0,0,0,0,0}(2x_1^3x_2x_3y_3 +$$
$$x_1^3x_3^2y_2 - x_1^3y_2y_3^2 - 3x_1^2x_2x_3^2y_1 + 3x_1^2x_2y_1y_3^2 + 6x_1^2x_3y_1y_2y_3 -$$
$$6x_1x_2x_3y_1^2y_3 - 3x_1x_3^2y_1^2y_2 + 3x_1y_1^2y_2y_3^2 + x_2x_3^2y_1^3 - x_2y_1^3y_3^2 - 2x_3y_1^3y_2y_3) +$$
$$b^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) + ib^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2 +$$
$$y_1^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + 4ib^r_{-4,0,0,0,0,0,0,0,0,1}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_5^2 +$$
$$y_5^2) + b^r_{-4,0,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) +$$
$$4ib^r_{-4,0,0,0,0,0,0,1,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2) + b^r_{-4,0,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^2 - 2x_1y_1 -$$
$$y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) + 4ib^r_{-4,0,0,0,0,0,1,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2) + b^r_{-4,0,0,0,0,0,1,0,0,0,0}(x_3^2 +$$
$$y_3^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) + 4ib^r_{-4,0,0,1,0,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) +$$
$$b^r_{-4,0,0,1,0,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) + 4ib^r_{-4,1,0,0,0,0,0,0,0,0,0}x_1y_1(x_1 -$$
$$y_1)(x_1 + y_1)(x_1^2 + y_1^2) + b^r_{-4,1,0,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) +$$
$$b^r_{-5,0,1,0,0,0,0,0,0,0,0}(x_1^5x_2 + 5x_1^4y_1y_2 - 10x_1^3x_2y_1^2 - 10x_1^2y_1^3y_2 + 5x_1x_2y_1^4 + y_1^5y_2) -$$
$$ib^r_{-5,0,1,0,0,0,0,0,0,0,0}(x_1^5y_2 - 5x_1^4x_2y_1 - 10x_1^3y_1^2y_2 + 10x_1^2x_2y_1^3 + 5x_1y_1^4y_2 - x_2y_1^5) +$$
$$b^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$
$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$
$$b^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$
$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$
$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 -$$
$$3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 +$$
$$3x_3x_4y_2y_4^2y_5 + x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 -$$
$$y_2y_3y_4^3y_5) + ib^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 -$$
$$x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2 -$$
$$3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 + x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 +$$
$$3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) + b^r_{0,0,-1,0,-1,0,1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 +$$
$$3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 -$$
$$3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2 -$$
$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 - 3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) +$$
$$ib^r_{0,0,-1,0,-1,0,1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 +$$
$$x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2 -$$
$$3x_3x_4x_5y_2y_5^2 + 3x_3x_5^2y_2y_4y_5 - x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 +$$
$$x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,-1,0,-1,0,1,0,3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 -$$
$$3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 + 3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 -$$
$$3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2 -$$
$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) -$$
$$ib^r_{0,0,-1,0,-1,0,1,0,3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 -$$
$$x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 +$$
$$3x_3x_4x_5y_2y_5^2 + 3x_3x_5^2y_2y_4y_5 - x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 -$$
$$x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,-1,0,-1,0,3,0,-1,0}(x_2x_3x_4^3x_5 + 3x_2x_3x_4^2y_4y_5 -$$
$$3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 -$$
$$x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 + 3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 -$$
$$3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 + y_2y_3y_4^3y_5) + ib^r_{0,0,-1,0,-1,0,3,0,-1,0}(x_2x_3x_4^3y_5 -$$
$$3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 -$$
$$3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2 + 3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 -$$
$$x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 + 3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) +$$
$$b^r_{0,0,-1,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib^r_{0,0,-1,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$
$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$
$$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 -$$
$$3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 + x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 -$$
$$3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 + 3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 -$$
$$y_2y_3^3y_4y_5) + ib^r_{0,0,-1,0,-3,0,-1,0,-1,0}(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 -$$
$$3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 +$$
$$x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 - 3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 - 3x_3x_4x_5y_2y_3^2 +$$
$$3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 + x_5y_2y_3^3y_4) + b^r_{0,0,-1,0,-3,0,1,0,1,0}(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 +$$
$$3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5 -$$
$$x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 -$$
$$3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5) -$$

$$ib^r_{0,0,-1,0,-3,0,1,0,1,0}(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5-$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5-$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 - 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5+$$

$$x_5y_2y_3^3y_4) + b^r_{0,0,-1,0,1,0,-1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 - 3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3+$$

$$3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5+$$

$$x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2-$$

$$3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) + ib^r_{0,0,-1,0,1,0,-1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3+$$

$$x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^3y_3y_4y_5-$$

$$x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3+$$

$$3x_4x_5^2y_2y_3y_5 - x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,-1,0,1,0,-1,0,3,0}(x_2x_3x_4x_5^3-$$

$$3x_2x_3x_4x_5y_5^2 + 3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3+$$

$$x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4+$$

$$3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3)-$$

$$ib^r_{0,0,-1,0,1,0,-1,0,3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2+$$

$$x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2+$$

$$3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 + 3x_4x_5^2y_2y_3y_5 - x_4y_2y_3y_5^3-$$

$$x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,-1,0,1,0,-3,0,1,0}(x_2x_3x_4^3x_5 + 3x_2x_3x_4^2y_4y_5-$$

$$3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5-$$

$$x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5 + x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3+$$

$$3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 - y_2y_3y_4^3y_5) - ib^r_{0,0,-1,0,1,0,-3,0,1,0}(x_2x_3x_4^3y_5-$$

$$3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5-$$

$$3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 - 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2+$$

$$x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 - 3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3)+$$

$$b^r_{0,0,-1,0,1,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + ib^r_{0,0,-1,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)+$$

$$b^r_{0,0,-1,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + ib^r_{0,0,-1,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)+$$

$$b^r_{0,0,-1,0,1,0,3,0,1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5-$$

$$3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4-$$

$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2+$$

$$y_2y_3y_4^3y_5) - ib^r_{0,0,-1,0,1,0,3,0,1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5-$$

$$x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2+$$

$$3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4-$$

$$3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) + b^r_{0,0,-1,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5+$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)+$$

$$ib^r_{0,0,-1,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + b^r_{0,0,-1,0,3,0,-1,0,-1,0}(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5+$$

$$3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5-$$

$$x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 + 3x_3^2x_4x_5y_2y_3 - 3x_3^3y_2y_3y_4y_5+$$

$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 + y_2y_3^3y_4y_5)+$$

$$ib^r_{0,0,-1,0,3,0,-1,0,-1,0}(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 -$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 + x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 +$$

$$3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 - 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 -$$

$$x_5y_2y_3^3y_4) + b^r_{0,0,-1,0,3,0,1,0,1,0}(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 -$$

$$3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 + x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 +$$

$$3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 - 3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 +$$

$$y_2y_3^3y_4y_5) - ib^r_{0,0,-1,0,3,0,1,0,1,0}(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 -$$

$$3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 -$$

$$x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 + 3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 -$$

$$3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 - x_5y_2y_3^3y_4) + b^r_{0,0,-1,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5 +$$

$$x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) -$$

$$ib^r_{0,0,-1,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 -$$

$$x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,-1,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) +$$

$$ib^r_{0,0,-1,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + 2ib^r_{0,0,-2,0,-2,0,-2,0,0,0}(x_2x_3x_4 - x_2y_3y_4 - x_3y_2y_4 -$$

$$x_4y_2y_3)(x_2x_3y_4 + x_2x_4y_3 + x_3x_4y_2 - y_2y_3y_4) + b^r_{0,0,-2,0,-2,0,-2,0,0,0}(x_2x_3x_4 - x_2x_3y_4 - x_2x_4y_3 -$$

$$x_2y_3y_4 - x_3x_4y_2 - x_3y_2y_4 - x_4y_2y_3 + y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 + x_2x_4y_3 - x_2y_3y_4 +$$

$$x_3x_4y_2 - x_3y_2y_4 - x_4y_2y_3 - y_2y_3y_4) - 2ib^r_{0,0,-2,0,-2,0,0,0,2,0}(x_2x_3x_5 + x_2y_3y_5 + x_3y_2y_5 -$$

$$x_5y_2y_3)(x_2x_3y_5 - x_2x_5y_3 - x_3x_5y_2 - y_2y_3y_5) + b^r_{0,0,-2,0,-2,0,0,0,2,0}(x_2x_3x_5 - x_2x_3y_5 + x_2x_5y_3 +$$

$$x_2y_3y_5 + x_3x_5y_2 + x_3y_2y_5 - x_5y_2y_3 + y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 - x_2x_5y_3 + x_2y_3y_5 -$$

$$x_3x_5y_2 + x_3y_2y_5 - x_5y_2y_3 - y_2y_3y_5) + 2ib^r_{0,0,-2,0,-4,0,0,0,0,0}(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3)(2x_2x_3y_3 +$$

$$x_3^2y_2 - y_2y_3^2) + b^r_{0,0,-2,0,-4,0,0,0,0,0}(x_2x_3^2 - 2x_2x_3y_3 - x_2y_3^2 - x_3^2y_2 - 2x_3y_2y_3 +$$

$$y_2y_3^2)(x_2x_3^2 + 2x_2x_3y_3 - x_2y_3^2 + x_3^2y_2 - 2x_3y_2y_3 - y_2y_3^2) - 2ib^r_{0,0,-2,0,0,0,-2,0,2,0}(x_2x_4x_5 +$$

$$x_2y_4y_5 + x_4y_2y_5 - x_5y_2y_4)(x_2x_4y_5 - x_2x_5y_4 - x_4x_5y_2 - y_2y_4y_5) + b^r_{0,0,-2,0,0,0,-2,0,2,0}(x_2x_4x_5 -$$

$$x_2x_4y_5 + x_2x_5y_4 + x_2y_4y_5 + x_4x_5y_2 + x_4y_2y_5 - x_5y_2y_4 + y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 -$$

$$x_2x_5y_4 + x_2y_4y_5 - x_4x_5y_2 + x_4y_2y_5 - x_5y_2y_4 - y_2y_4y_5) + 2ib^r_{0,0,-2,0,0,0,-4,0,0,0}(x_2x_4^2 - x_2y_4^2 -$$

$$2x_4y_2y_4)(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2) + b^r_{0,0,-2,0,0,0,-4,0,0,0}(x_2x_4^2 - 2x_2x_4y_4 - x_2y_4^2 - x_4^2y_2 -$$

$$2x_4y_2y_4 + y_2y_4^2)(x_2x_4^2 + 2x_2x_4y_4 - x_2y_4^2 + x_4^2y_2 - 2x_4y_2y_4 - y_2y_4^2) +$$

$$2ib^r_{0,0,-2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2x_5 - x_2y_5 -$$

$$x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) - 2ib^r_{0,0,-2,0,0,0,0,0,4,0}(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)(2x_2x_5y_5 -$$

$$x_5^2y_2 + y_2y_5^2) + b^r_{0,0,-2,0,0,0,0,0,4,0}(x_2x_5^2 - 2x_2x_5y_5 - x_2y_5^2 + x_5^2y_2 + 2x_5y_2y_5 -$$

$$y_2y_5^2)(x_2x_5^2 + 2x_2x_5y_5 - x_2y_5^2 - x_5^2y_2 + 2x_5y_2y_5 + y_2y_5^2) + 2ib^r_{0,0,-2,0,0,0,0,1,-2,0}(x_4^2 +$$

$$y_4^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) + b^r_{0,0,-2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 +$$

$$x_2y_5 + x_5y_2 - y_2y_5) - 2ib^r_{0,0,-2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) +$$

$$b^r_{0,0,-2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) -$$

$$2ib^r_{0,0,-2,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + b^r_{0,0,-2,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2x_4 - x_2y_4 +$$

$$x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) + 2ib^r_{0,0,-2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2x_5 - y_2y_5)(x_2y_5 +$$

$$x_5y_2) + b^r_{0,0,-2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) -$$

$$2ib^r_{0,0,-2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + b^r_{0,0,-2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2x_4 - x_2y_4 +$$

$$x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) - 2ib^r_{0,0,-2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2x_3 + y_2y_3)(x_2y_3 -$$

$$x_3y_2) + b^r_{0,0,-2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) -$$

$$2ib^r_{0,0,-2,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_2x_3+y_2y_3)(x_2y_3-x_3y_2)+b^r_{0,0,-2,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_2x_3-x_2y_3+$$
$$x_3y_2+y_2y_3)(x_2x_3+x_2y_3-x_3y_2+y_2y_3)-2ib^r_{0,0,-2,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_2x_3+y_2y_3)(x_2y_3-$$
$$x_3y_2)+b^r_{0,0,-2,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_2x_3-x_2y_3+x_3y_2+y_2y_3)(x_2x_3+x_2y_3-x_3y_2+y_2y_3)+$$
$$2ib^r_{0,0,-2,1,0,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_2x_5-y_2y_5)(x_2y_5+x_5y_2)+b^r_{0,0,-2,1,0,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_2x_5-x_2y_5-$$
$$x_5y_2-y_2y_5)(x_2x_5+x_2y_5+x_5y_2-y_2y_5)-2ib^r_{0,0,-2,1,0,0,0,2,0,0,0}(x_2^2+y_2^2)(x_2x_4+y_2y_4)(x_2y_4-$$
$$x_4y_2)+b^r_{0,0,-2,1,0,0,0,2,0,0,0}(x_2^2+y_2^2)(x_2x_4-x_2y_4+x_4y_2+y_2y_4)(x_2x_4+x_2y_4-x_4y_2+y_2y_4)-$$
$$2ib^r_{0,0,-2,1,2,0,0,0,0,0,0}(x_2^2+y_2^2)(x_2x_3+y_2y_3)(x_2y_3-x_3y_2)+b^r_{0,0,-2,1,2,0,0,0,0,0,0}(x_2^2+y_2^2)(x_2x_3-x_2y_3+$$
$$x_3y_2+y_2y_3)(x_2x_3+x_2y_3-x_3y_2+y_2y_3)+b^r_{0,0,-3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4x_5+x_2^3x_3y_4y_5-$$
$$x_2^3x_4y_3y_5+x_2^3x_5y_3y_4-3x_2^2x_3x_4y_2y_5+3x_2^2x_3x_5y_2y_4-3x_2^2x_4x_5y_2y_3-$$
$$3x_2^2y_2y_3y_4y_5-3x_2x_3x_4x_5y_2^2-3x_2x_3y_2^2y_4y_5+3x_2x_4y_2^2y_3y_5-3x_2x_5y_2^2y_3y_4+$$
$$x_3x_4y_2^3y_5-x_3x_5y_2^3y_4+x_4x_5y_2^3y_3+y_2^3y_3y_4y_5)+ib^r_{0,0,-3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4y_5-$$
$$x_2^3x_3x_5y_4+x_2^3x_4x_5y_3+x_2^3y_3y_4y_5+3x_2^2x_3x_4x_5y_2+3x_2^2x_3y_2y_4y_5-$$
$$3x_2^2x_4y_2y_3y_5+3x_2^2x_5y_2y_3y_4-3x_2x_3x_4y_2^2y_5+3x_2x_3x_5y_2^2y_4-3x_2x_4x_5y_2^2y_3-$$
$$3x_2y_2^2y_3y_4y_5-x_3x_4x_5y_2^3-x_3y_2^3y_4y_5+x_4y_2^3y_3y_5-x_5y_2^3y_3y_4)+$$
$$b^r_{0,0,-3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4x_5-x_2^3x_3y_4y_5+x_2^3x_4y_3y_5+x_2^3x_5y_3y_4-3x_2^2x_3x_4y_2y_5-$$
$$3x_2^2x_3x_5y_2y_4+3x_2^2x_4x_5y_2y_3-3x_2^2y_2y_3y_4y_5-3x_2x_3x_4x_5y_2^2+3x_2x_3y_2^2y_4y_5-$$
$$3x_2x_4y_2^2y_3y_5-3x_2x_5y_2^2y_3y_4+x_3x_4y_2^3y_5+x_3x_5y_2^3y_4-x_4x_5y_2^3y_3+y_2^3y_3y_4y_5)+$$
$$ib^r_{0,0,-3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4y_5+x_2^3x_3x_5y_4-x_2^3x_4x_5y_3+x_2^3y_3y_4y_5+3x_2^2x_3x_4x_5y_2-$$
$$3x_2^2x_3y_2y_4y_5+3x_2^2x_4y_2y_3y_5+3x_2^2x_5y_2y_3y_4-3x_2x_3x_4y_2^2y_5-3x_2x_3x_5y_2^2y_4+$$
$$3x_2x_4x_5y_2^2y_3-3x_2y_2^2y_3y_4y_5-x_3x_4x_5y_2^3+x_3y_2^3y_4y_5-x_4y_2^3y_3y_5-x_5y_2^3y_3y_4)+$$
$$b^r_{0,0,-3,0,1,0,1,0,1,0}(x_2^3x_3x_4x_5-x_2^3x_3y_4y_5-x_2^3x_4y_3y_5-x_2^3x_5y_3y_4+3x_2^2x_3x_4y_2y_5+$$
$$3x_2^2x_3x_5y_2y_4+3x_2^2x_4x_5y_2y_3-3x_2^2y_2y_3y_4y_5-3x_2x_3x_4x_5y_2^2+3x_2x_3y_2^2y_4y_5+$$
$$3x_2x_4y_2^2y_3y_5+3x_2x_5y_2^2y_3y_4-x_3x_4y_2^3y_5-x_3x_5y_2^3y_4-x_4x_5y_2^3y_3+y_2^3y_3y_4y_5)-$$
$$ib^r_{0,0,-3,0,1,0,1,0,1,0}(x_2^3x_3x_4y_5+x_2^3x_3x_5y_4+x_2^3x_4x_5y_3-x_2^3y_3y_4y_5-3x_2^2x_3x_4x_5y_2+$$
$$3x_2^2x_3y_2y_4y_5+3x_2^2x_4y_2y_3y_5+3x_2^2x_5y_2y_3y_4-3x_2x_3x_4y_2^2y_5-3x_2x_3x_5y_2^2y_4-$$
$$3x_2x_4x_5y_2^2y_3+3x_2y_2^2y_3y_4y_5+x_3x_4x_5y_2^3-x_3y_2^3y_4y_5-x_4y_2^3y_3y_5-x_5y_2^3y_3y_4)+$$
$$4ib^r_{0,0,-4,0,0,0,0,0,0,0,1}x_2y_2(x_2-y_2)(x_2+y_2)(x_5^2+y_5^2)+b^r_{0,0,-4,0,0,0,0,0,0,0,1}(x_5^2+y_5^2)(x_2^2-2x_2y_2-$$
$$y_2^2)(x_2^2+2x_2y_2-y_2^2)+4ib^r_{0,0,-4,0,0,0,0,1,0,0}x_2y_2(x_2-y_2)(x_2+y_2)(x_4^2+y_4^2)+b^r_{0,0,-4,0,0,0,0,1,0,0}(x_4^2+$$
$$y_4^2)(x_2^2-2x_2y_2-y_2^2)(x_2^2+2x_2y_2-y_2^2)+4ib^r_{0,0,-4,0,0,1,0,0,0,0}x_2y_2(x_2-y_2)(x_2+y_2)(x_3^2+y_3^2)+$$
$$b^r_{0,0,-4,0,0,1,0,0,0,0}(x_3^2+y_3^2)(x_2^2-2x_2y_2-y_2^2)(x_2^2+2x_2y_2-y_2^2)+4ib^r_{0,0,-4,1,0,0,0,0,0,0,0}x_2y_2(x_2-$$
$$y_2)(x_2+y_2)(x_2^2+y_2^2)+b^r_{0,0,-4,1,0,0,0,0,0,0,0}(x_2^2+y_2^2)(x_2^2-2x_2y_2-y_2^2)(x_2^2+2x_2y_2-y_2^2)+$$
$$2ib^r_{0,0,0,0,-2,0,-2,0,-2,0}(x_3x_4x_5-x_3y_4y_5-x_4y_3y_5-x_5y_3y_4)(x_3x_4y_5+x_3x_5y_4+x_4x_5y_3-y_3y_4y_5)+$$
$$b^r_{0,0,0,0,-2,0,-2,0,-2,0}(x_3x_4x_5-x_3x_4y_5-x_3x_5y_4-x_3y_4y_5-x_4x_5y_3-x_4y_3y_5-x_5y_3y_4+$$
$$y_3y_4y_5)(x_3x_4x_5+x_3x_4y_5+x_3x_5y_4-x_3y_4y_5+x_4x_5y_3-x_4y_3y_5-x_5y_3y_4-y_3y_4y_5)+$$
$$2ib^r_{0,0,0,0,-2,0,0,0,0,2}x_3y_3(x_5^2+y_5^2)^2+b^r_{0,0,0,0,-2,0,0,0,0,2}(x_3-y_3)(x_3+y_3)(x_5^2+y_5^2)^2+$$
$$2ib^r_{0,0,0,0,-2,0,0,1,0,1}x_3y_3(x_4^2+y_4^2)(x_5^2+y_5^2)+b^r_{0,0,0,0,-2,0,0,1,0,1}(x_3-y_3)(x_3+y_3)(x_4^2+y_4^2)(x_5^2+$$
$$y_5^2)+2ib^r_{0,0,0,0,-2,0,0,2,0,0}x_3y_3(x_4^2+y_4^2)^2+b^r_{0,0,0,0,-2,0,0,2,0,0}(x_3-y_3)(x_3+y_3)(x_4^2+y_4^2)^2-$$
$$2ib^r_{0,0,0,0,-2,0,2,0,2,0}(x_3x_4x_5-x_3y_4y_5+x_4y_3y_5+x_5y_3y_4)(x_3x_4y_5+x_3x_5y_4-x_4x_5y_3+y_3y_4y_5)+$$
$$b^r_{0,0,0,0,-2,0,2,0,2,0}(x_3x_4x_5-x_3x_4y_5-x_3x_5y_4-x_3y_4y_5+x_4x_5y_3+x_4y_3y_5+x_5y_3y_4-$$
$$y_3y_4y_5)(x_3x_4x_5+x_3x_4y_5+x_3x_5y_4-x_3y_4y_5-x_4x_5y_3+x_4y_3y_5+x_5y_3y_4+y_3y_4y_5)+$$
$$2ib^r_{0,0,0,0,-2,1,0,0,0,1}x_3y_3(x_3^2+y_3^2)(x_5^2+y_5^2)+b^r_{0,0,0,0,-2,1,0,0,0,1}(x_3-y_3)(x_3+y_3)(x_3^2+y_3^2)(x_5^2+$$
$$y_5^2)+2ib^r_{0,0,0,0,-2,1,0,1,0,0}x_3y_3(x_3^2+y_3^2)(x_4^2+y_4^2)+b^r_{0,0,0,0,-2,1,0,1,0,0}(x_3-y_3)(x_3+y_3)(x_3^2+$$

$$y_3^2)(x_4^2 + y_4^2) + 2ib_{0,0,0,0,-2,2,0,0,0,0}^r x_3 y_3 (x_3^2 + y_3^2)^2 + b_{0,0,0,0,-2,2,0,0,0,0}^r (x_3 - y_3)(x_3 + y_3)(x_3^2 +$$

$$y_3^2)^2 + 2ib_{0,0,0,0,-4,0,0,0,-2,0}^r (x_3^2 x_5 - 2x_3 y_3 y_5 - x_5 y_3^2)(x_3^2 y_5 + 2x_3 x_5 y_3 - y_3^2 y_5) +$$

$$b_{0,0,0,0,-4,0,0,0,-2,0}^r (x_3^2 x_5 - x_3^2 y_5 - 2x_3 x_5 y_3 - 2x_3 y_3 y_5 - x_5 y_3^2 + y_3^2 y_5)(x_3^2 x_5 + x_3^2 y_5 +$$

$$2x_3 x_5 y_3 - 2x_3 y_3 y_5 - x_5 y_3^2 - y_3^2 y_5) - 2ib_{0,0,0,0,-4,0,2,0,0,0}^r (x_3^2 x_4 + 2x_3 y_3 y_4 - x_4 y_3^2)(x_3^2 y_4 -$$

$$2x_3 x_4 y_3 - y_3^2 y_4) + b_{0,0,0,0,-4,0,2,0,0,0}^r (x_3^2 x_4 - x_3^2 y_4 + 2x_3 x_4 y_3 + 2x_3 y_3 y_4 - x_4 y_3^2 +$$

$$y_3^2 y_4)(x_3^2 x_4 + x_3^2 y_4 - 2x_3 x_4 y_3 + 2x_3 y_3 y_4 - x_4 y_3^2 - y_3^2 y_4) + 2ib_{0,0,0,0,0,0,-2,0,0,2}^r x_4 y_4 (x_5^2 +$$

$$y_5^2)^2 + b_{0,0,0,0,0,0,-2,0,0,2}^r (x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2)^2 + 2ib_{0,0,0,0,0,0,-2,1,0,1}^r x_4 y_4 (x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) + b_{0,0,0,0,0,0,-2,1,0,1}^r (x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + 2ib_{0,0,0,0,0,0,-2,2,0,0}^r x_4 y_4 (x_4^2 + y_4^2)^2 +$$

$$b_{0,0,0,0,0,0,-2,2,0,0}^r (x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)^2 + 2ib_{0,0,0,0,0,0,-4,0,-2,0}^r (x_4^2 x_5 - 2x_4 y_4 y_5 -$$

$$x_5 y_4^2)(x_4^2 y_5 + 2x_4 x_5 y_4 - y_4^2 y_5) + b_{0,0,0,0,0,0,-4,0,-2,0}^r (x_4^2 x_5 - x_4^2 y_5 - 2x_4 x_5 y_4 - 2x_4 y_4 y_5 -$$

$$x_5 y_4^2 + y_4^2 y_5)(x_4^2 x_5 + x_4^2 y_5 + 2x_4 x_5 y_4 - 2x_4 y_4 y_5 - x_5 y_4^2 - y_4^2 y_5) +$$

$$4ib_{0,0,0,0,0,0,0,0,-4,1}^r x_5 y_5 (x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + b_{0,0,0,0,0,0,0,0,-4,1}^r (x_5^2 + y_5^2)(x_5^2 - 2x_5 y_5 -$$

$$y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) - 2ib_{0,0,0,0,0,0,0,0,2,2}^r x_5 y_5 (x_5^2 + y_5^2)^2 + b_{0,0,0,0,0,0,0,0,2,2}^r (x_5 - y_5)(x_5 +$$

$$y_5)(x_5^2 + y_5^2)^2 + 4ib_{0,0,0,0,0,0,0,1,-4,0}^r x_5 y_5 (x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) + b_{0,0,0,0,0,0,0,1,-4,0}^r (x_4^2 +$$

$$y_4^2)(x_5^2 - 2x_5 y_5 - y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) - 2ib_{0,0,0,0,0,0,0,1,2,1}^r x_5 y_5 (x_4^2 + y_4^2)(x_5^2 + y_5^2) +$$

$$b_{0,0,0,0,0,0,0,1,2,1}^r (x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) - 2ib_{0,0,0,0,0,0,0,2,2,0}^r x_5 y_5 (x_4^2 + y_4^2)^2 +$$

$$b_{0,0,0,0,0,0,0,2,2,0}^r (x_4^2 + y_4^2)^2 (x_5 - y_5)(x_5 + y_5) + 2ib_{0,0,0,0,0,0,2,0,-2,1}^r (x_5^2 + y_5^2)(x_4 x_5 + y_4 y_5)(x_4 y_5 -$$

$$x_5 y_4) + b_{0,0,0,0,0,0,2,0,-2,1}^r (x_5^2 + y_5^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) -$$

$$2ib_{0,0,0,0,0,0,2,0,4,0}^r (x_4 x_5^2 - x_4 y_5^2 - 2x_5 y_4 y_5)(2x_4 x_5 y_5 + x_5^2 y_4 - y_4 y_5^2) + b_{0,0,0,0,0,0,2,0,4,0}^r (x_4 x_5^2 -$$

$$2x_4 x_5 y_5 - x_4 y_5^2 - x_5^2 y_4 - 2x_5 y_4 y_5 + y_4 y_5^2)(x_4 x_5^2 + 2x_4 x_5 y_5 - x_4 y_5^2 + x_5^2 y_4 - 2x_5 y_4 y_5 -$$

$$y_4 y_5^2) + 2ib_{0,0,0,0,0,0,2,1,-2,0}^r (x_4^2 + y_4^2)(x_4 x_5 + y_4 y_5)(x_4 y_5 - x_5 y_4) + b_{0,0,0,0,0,0,2,1,-2,0}^r (x_4^2 +$$

$$y_4^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) - 4ib_{0,0,0,0,0,0,4,0,0,1}^r x_4 y_4 (x_4 - y_4)(x_4 +$$

$$y_4)(x_5^2 + y_5^2) + b_{0,0,0,0,0,0,4,0,0,1}^r (x_5^2 + y_5^2)(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) -$$

$$4ib_{0,0,0,0,0,0,4,1,0,0}^r x_4 y_4 (x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) + b_{0,0,0,0,0,0,4,1,0,0}^r (x_4^2 + y_4^2)(x_4^2 - 2x_4 y_4 -$$

$$y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) + 2ib_{0,0,0,0,0,1,-2,0,0,1}^r x_4 y_4 (x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{0,0,0,0,0,1,-2,0,0,1}^r (x_3^2 +$$

$$y_3^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) + 2ib_{0,0,0,0,0,1,-2,1,0,0}^r x_4 y_4 (x_3^2 + y_3^2)(x_4^2 + y_4^2) +$$

$$b_{0,0,0,0,0,1,-2,1,0,0}^r (x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) + 4ib_{0,0,0,0,0,1,0,0,-4,0}^r x_5 y_5 (x_3^2 + y_3^2)(x_5 -$$

$$y_5)(x_5 + y_5) + b_{0,0,0,0,0,1,0,0,-4,0}^r (x_3^2 + y_3^2)(x_5^2 - 2x_5 y_5 - y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) -$$

$$2ib_{0,0,0,0,0,1,0,0,2,1}^r x_5 y_5 (x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{0,0,0,0,0,1,0,0,2,1}^r (x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 +$$

$$y_5^2) - 2ib_{0,0,0,0,0,1,0,1,2,0}^r x_5 y_5 (x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{0,0,0,0,0,1,0,1,2,0}^r (x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_5 -$$

$$y_5)(x_5 + y_5) + 2ib_{0,0,0,0,0,1,2,0,-2,0}^r (x_3^2 + y_3^2)(x_4 x_5 + y_4 y_5)(x_4 y_5 - x_5 y_4) + b_{0,0,0,0,0,1,2,0,-2,0}^r (x_3^2 +$$

$$y_3^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) - 4ib_{0,0,0,0,0,1,4,0,0,0}^r x_4 y_4 (x_3^2 +$$

$$y_3^2)(x_4 - y_4)(x_4 + y_4) + b_{0,0,0,0,0,1,4,0,0,0}^r (x_3^2 + y_3^2)(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) +$$

$$2ib_{0,0,0,0,0,2,-2,0,0,0}^r x_4 y_4 (x_3^2 + y_3^2)^2 + b_{0,0,0,0,0,2,-2,0,0,0}^r (x_3^2 + y_3^2)^2 (x_4 - y_4)(x_4 + y_4) -$$

$$2ib_{0,0,0,0,0,2,0,0,2,0}^r x_5 y_5 (x_3^2 + y_3^2)^2 + b_{0,0,0,0,0,2,0,0,2,0}^r (x_3^2 + y_3^2)^2 (x_5 - y_5)(x_5 + y_5) -$$

$$2ib_{0,0,0,0,2,0,-2,0,2,0}^r (x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4)(x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5) +$$

$$b_{0,0,0,0,2,0,-2,0,2,0}^r (x_3 x_4 x_5 - x_3 x_4 y_5 + x_3 x_5 y_4 + x_3 y_4 y_5 - x_4 x_5 y_3 - x_4 y_3 y_5 + x_5 y_3 y_4 -$$

$$y_3 y_4 y_5)(x_3 x_4 x_5 + x_3 x_4 y_5 - x_3 x_5 y_4 + x_3 y_4 y_5 + x_4 x_5 y_3 - x_4 y_3 y_5 + x_5 y_3 y_4 + y_3 y_4 y_5) +$$

$$2ib_{0,0,0,0,2,0,-4,0,0,0}^r (x_3 x_4^2 - x_3 y_4^2 + 2x_4 y_3 y_4)(2x_3 x_4 y_4 - x_4^2 y_3 + y_3 y_4^2) + b_{0,0,0,0,2,0,-4,0,0,0}^r (x_3 x_4^2 -$$

$$2x_3 x_4 y_4 - x_3 y_4^2 + x_4^2 y_3 + 2x_4 y_3 y_4 - y_3 y_4^2)(x_3 x_4^2 + 2x_3 x_4 y_4 - x_3 y_4^2 - x_4^2 y_3 + 2x_4 y_3 y_4 +$$

$$y_3 y_4^2) + 2ib_{0,0,0,0,2,0,0,0,0,-2,1}^r (x_5^2 + y_5^2)(x_3 x_5 + y_3 y_5)(x_3 y_5 - x_5 y_3) + b_{0,0,0,0,2,0,0,0,0,-2,1}^r (x_5^2 +$$

$$y_5^2)(x_3 x_5 - x_3 y_5 + x_5 y_3 + y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 + y_3 y_5) - 2ib_{0,0,0,0,2,0,0,0,0,4,0}^r (x_3 x_5^2 - x_3 y_5^2 -$$

$$2x_5y_3y_5)(2x_3x_5y_5 + x_5^2y_3 - y_3y_5^2) + b^r_{0,0,0,0,2,0,0,0,4,0}(x_3x_5^2 - 2x_3x_5y_5 - x_3y_5^2 - x_5^2y_3 -$$

$$2x_5y_3y_5 + y_3y_5^2)(x_3x_5^2 + 2x_3x_5y_5 - x_3y_5^2 + x_5^2y_3 - 2x_5y_3y_5 - y_3y_5^2) +$$

$$2ib^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) + b^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3x_5 - x_3y_5 +$$

$$x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) - 2ib^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) +$$

$$b^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) -$$

$$2ib^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3x_4 - x_3y_4 -$$

$$x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + 2ib^r_{0,0,0,0,2,1,0,0,-2,0}(x_3^2 + y_3^2)(x_3x_5 + y_3y_5)(x_3y_5 -$$

$$x_5y_3) + b^r_{0,0,0,0,2,1,0,0,-2,0}(x_3^2 + y_3^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) -$$

$$2ib^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3x_4 - x_3y_4 -$$

$$x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) - 4ib^r_{0,0,0,0,4,0,0,0,0,1}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) +$$

$$b^r_{0,0,0,0,4,0,0,0,0,1}(x_5^2 + y_5^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - 4ib^r_{0,0,0,0,4,0,0,1,0,0}x_3y_3(x_3 -$$

$$y_3)(x_3 + y_3)(x_4^2 + y_4^2) + b^r_{0,0,0,0,4,0,0,1,0,0}(x_4^2 + y_4^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) -$$

$$4ib^r_{0,0,0,0,4,1,0,0,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) + b^r_{0,0,0,0,4,1,0,0,0,0}(x_3^2 + y_3^2)(x_3^2 - 2x_3y_3 -$$

$$y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) + 2ib^r_{0,0,0,1,-2,0,0,0,0,1}x_3y_3(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b^r_{0,0,0,1,-2,0,0,0,0,1}(x_2^2 +$$

$$y_2^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) + 2ib^r_{0,0,0,1,-2,0,0,1,0,0}x_3y_3(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$$

$$b^r_{0,0,0,1,-2,0,0,1,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) + 2ib^r_{0,0,0,1,-2,1,0,0,0,0}x_3y_3(x_2^2 + y_2^2)(x_3^2 +$$

$$y_3^2) + b^r_{0,0,0,1,-2,1,0,0,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) + 2ib^r_{0,0,0,1,0,0,-2,0,0,1}x_4y_4(x_2^2 +$$

$$y_2^2)(x_5^2 + y_5^2) + b^r_{0,0,0,1,0,0,-2,0,0,1}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) +$$

$$2ib^r_{0,0,0,1,0,0,-2,1,0,0}x_4y_4(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b^r_{0,0,0,1,0,0,-2,1,0,0}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 +$$

$$y_4^2) + 4ib^r_{0,0,0,1,0,0,0,0,-4,0}x_5y_5(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) + b^r_{0,0,0,1,0,0,0,0,-4,0}(x_2^2 + y_2^2)(x_5^2 - 2x_5y_5 -$$

$$y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) - 2ib^r_{0,0,0,1,0,0,0,0,2,1}x_5y_5(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b^r_{0,0,0,1,0,0,0,0,2,1}(x_2^2 +$$

$$y_2^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) - 2ib^r_{0,0,0,1,0,0,0,1,2,0}x_5y_5(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$$

$$b^r_{0,0,0,1,0,0,0,1,2,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) + 2ib^r_{0,0,0,1,0,0,2,0,-2,0}(x_2^2 + y_2^2)(x_4x_5 +$$

$$y_4y_5)(x_4y_5 - x_5y_4) + b^r_{0,0,0,1,0,0,2,0,-2,0}(x_2^2 + y_2^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 +$$

$$y_4y_5) - 4ib^r_{0,0,0,1,0,0,4,0,0,0}x_4y_4(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,1,0,0,4,0,0,0}(x_2^2 + y_2^2)(x_4^2 - 2x_4y_4 -$$

$$y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) + 2ib^r_{0,0,0,1,0,1,-2,0,0,0}x_4y_4(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b^r_{0,0,0,1,0,1,-2,0,0,0}(x_2^2 +$$

$$y_2^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) - 2ib^r_{0,0,0,1,0,1,0,0,2,0}x_5y_5(x_2^2 + y_2^2)(x_3^2 + y_3^2) +$$

$$b^r_{0,0,0,1,0,1,0,0,2,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) + 2ib^r_{0,0,0,1,2,0,0,0,-2,0}(x_2^2 + y_2^2)(x_3x_5 +$$

$$y_3y_5)(x_3y_5 - x_5y_3) + b^r_{0,0,0,1,2,0,0,0,-2,0}(x_2^2 + y_2^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 +$$

$$y_3y_5) - 2ib^r_{0,0,0,1,2,0,2,0,0,0}(x_2^2 + y_2^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + b^r_{0,0,0,1,2,0,2,0,0,0}(x_2^2 + y_2^2)(x_3x_4 -$$

$$x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) - 4ib^r_{0,0,0,1,4,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2)(x_3 - y_3)(x_3 +$$

$$y_3) + b^r_{0,0,0,1,4,0,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) +$$

$$2ib^r_{0,0,0,2,-2,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2)^2 + b^r_{0,0,0,2,-2,0,0,0,0,0}(x_2^2 + y_2^2)^2(x_3 - y_3)(x_3 + y_3) +$$

$$2ib^r_{0,0,0,2,0,0,-2,0,0,0}x_4y_4(x_2^2 + y_2^2)^2 + b^r_{0,0,0,2,0,0,-2,0,0,0}(x_2^2 + y_2^2)^2(x_4 - y_4)(x_4 + y_4) -$$

$$2ib^r_{0,0,0,2,0,0,0,0,2,0}x_5y_5(x_2^2 + y_2^2)^2 + b^r_{0,0,0,2,0,0,0,0,2,0}(x_2^2 + y_2^2)^2(x_5 - y_5)(x_5 + y_5) +$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib^r_{0,0,1,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 +$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,0,1,0,-1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + ib^r_{0,0,1,0,-1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 +$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-1,0,1,0,1,1}(x_5^2 +$$

$$y_5^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 -$$

$$y_2y_3y_4y_5) - ib^r_{0,0,1,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5+$$

$$x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5-$$

$$x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)-$$

$$ib^r_{0,0,1,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2-$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5-$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)+$$

$$ib^r_{0,0,1,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5+$$

$$x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)-$$

$$ib^r_{0,0,1,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2-$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-3,0,1,0,-1,0}(x_2x_3^3x_4x_5 + x_2x_3^3y_4y_5-$$

$$3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 - 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5-$$

$$x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 + 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5-$$

$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5)+$$

$$ib^r_{0,0,1,0,-3,0,1,0,-1,0}(x_2x_3^3x_4y_5 - x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5-$$

$$3x_2x_3x_4y_3^2y_5 + 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5+$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5+$$

$$x_5y_2y_3^3y_4) + b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4-$$

$$x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5-$$

$$x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - ib^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4+$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 + x_2x_4^3y_3y_5+$$

$$3x_2x_4^2x_5y_3y_4 - 3x_2x_4y_3y_4^2y_5 - x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4-$$

$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2-$$

$$y_2y_3y_4^3y_5) + ib^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5-$$

$$x_2x_3x_5y_4^3 - x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 + 3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2+$$

$$3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4+$$

$$3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) + b^r_{0,0,1,0,1,0,1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2+$$

$$3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 + 3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 - x_2x_5^3y_3y_4+$$

$$3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2-$$

$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 - 3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3)+$$

$$ib^r_{0,0,1,0,1,0,1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3+$$

$$3x_2x_4x_5y_3y_5^2 - 3x_2x_5^2y_3y_4y_5 + x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 + 3x_3x_4x_5y_2y_5^2-$$

$$3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4-$$

$$3x_5y_2y_3y_4y_5^2) + b^r_{0,0,1,0,1,0,1,0,3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 - 3x_2x_3x_5^3y_4y_5+$$

$$x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 - x_2x_5^3y_3y_4 + 3x_2x_5y_3y_4y_5^2-$$

$$3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 - x_4x_5^3y_2y_3+$$

$$3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) - ib^r_{0,0,1,0,1,0,1,0,3,0}(3x_2x_3x_4x_5^2y_5-$$

$$x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 + x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2-$$

$$3x_2x_5^2y_3y_4y_5 + x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5+$$

$$x_3 y_2 y_4 y_5^3 - 3x_4 x_5^2 y_2 y_3 y_5 + x_4 y_2 y_3 y_5^3 - x_5^3 y_2 y_3 y_4 + 3x_5 y_2 y_3 y_4 y_5^2) +$$

$$b_{0,0,1,0,1,0,3,0,-1,0}^r (x_2 x_3 x_4^3 x_5 + 3x_2 x_3 x_4^2 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_4^2 - x_2 x_3 y_4^3 y_5 + x_2 x_4^3 y_3 y_5 -$$

$$3x_2 x_4^2 x_5 y_3 y_4 - 3x_2 x_4 y_3 y_4^2 y_5 + x_2 x_5 y_3 y_4^3 + x_3 x_4^3 y_2 y_5 - 3x_3 x_4^2 x_5 y_2 y_4 -$$

$$3x_3 x_4 y_2 y_4^2 y_5 + x_3 x_5 y_2 y_4^3 - x_4^3 x_5 y_2 y_3 - 3x_4^2 y_2 y_3 y_4 y_5 + 3x_4 x_5 y_2 y_3 y_4^2 +$$

$$y_2 y_3 y_4^3 y_5) + i b_{0,0,1,0,1,0,3,0,-1,0}^r (x_2 x_3 x_4^3 y_5 - 3x_2 x_3 x_4^2 x_5 y_4 - 3x_2 x_3 x_4 y_4^2 y_5 +$$

$$x_2 x_3 x_5 y_4^3 - x_2 x_4^3 x_5 y_3 - 3x_2 x_4^2 y_3 y_4 y_5 + 3x_2 x_4 x_5 y_3 y_4^2 + x_2 y_3 y_4^3 y_5 - x_3 x_4^3 x_5 y_2 -$$

$$3x_3 x_4^2 y_2 y_4 y_5 + 3x_3 x_4 x_5 y_2 y_4^2 + x_3 y_2 y_4^3 y_5 - x_4^3 y_2 y_3 y_5 + 3x_4^2 x_5 y_2 y_3 y_4 +$$

$$3x_4 y_2 y_3 y_4^2 y_5 - x_5 y_2 y_3 y_4^3) + b_{0,0,1,0,1,1,-1,0,1,0}^r (x_3^2 + y_3^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 -$$

$$x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) -$$

$$i b_{0,0,1,0,1,1,-1,0,1,0}^r (x_3^2 + y_3^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,0,3,0,1,0,-1,0}^r (x_2 x_3^3 x_4 x_5 + x_2 x_3^3 y_4 y_5 +$$

$$3x_2 x_3^2 x_4 y_3 y_5 - 3x_2 x_3^2 x_5 y_3 y_4 - 3x_2 x_3 x_4 x_5 y_3^2 - 3x_2 x_3 y_3^2 y_4 y_5 - x_2 x_4 y_3^3 y_5 +$$

$$x_2 x_5 y_3^3 y_4 + x_3^3 x_4 y_2 y_5 - x_3^3 x_5 y_2 y_4 - 3x_3^2 x_4 x_5 y_2 y_3 - 3x_3^2 y_2 y_3 y_4 y_5 -$$

$$3x_3 x_4 y_2 y_3^2 y_5 + 3x_3 x_5 y_2 y_3^2 y_4 + x_4 x_5 y_2 y_3^3 + y_2 y_3^3 y_4 y_5) +$$

$$i b_{0,0,1,0,3,0,1,0,-1,0}^r (x_2 x_3^3 x_4 y_5 - x_2 x_3^3 x_5 y_4 - 3x_2 x_3^2 x_4 x_5 y_3 - 3x_2 x_3^2 y_3 y_4 y_5 -$$

$$3x_2 x_3 x_4 y_3^2 y_5 + 3x_2 x_3 x_5 y_3^2 y_4 + x_2 x_4 x_5 y_3^3 + x_2 y_3^3 y_4 y_5 - x_3^3 x_4 x_5 y_2 - x_3^3 y_2 y_4 y_5 -$$

$$3x_3^2 x_4 y_2 y_3 y_5 + 3x_3^2 x_5 y_2 y_3 y_4 + 3x_3 x_4 x_5 y_2 y_3^2 + 3x_3 y_2 y_3^2 y_4 y_5 + x_4 y_2 y_3^3 y_5 -$$

$$x_5 y_2 y_3^3 y_4) + b_{0,0,1,1,-1,0,-1,0,-1,0}^r (x_2^2 + y_2^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 +$$

$$x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + i b_{0,0,1,1,-1,0,-1,0,-1,0}^r (x_2^2 + y_2^2)(x_2 x_3 x_4 y_5 +$$

$$x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) +$$

$$b_{0,0,1,1,-1,0,1,0,1,0}^r (x_2^2 + y_2^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 -$$

$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) - i b_{0,0,1,1,-1,0,1,0,1,0}^r (x_2^2 + y_2^2)(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 -$$

$$x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + b_{0,0,1,1,1,0,-1,0,1,0}^r (x_2^2 +$$

$$y_2^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 -$$

$$y_2 y_3 y_4 y_5) - i b_{0,0,1,1,1,0,-1,0,1,0}^r (x_2^2 + y_2^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 +$$

$$x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + 2 i b_{0,0,2,0,-2,0,0,0,-2,0}^r (x_2 x_3 x_5 - x_2 y_3 y_5 +$$

$$x_3 y_2 y_5 + x_5 y_2 y_3)(x_2 x_3 y_5 + x_2 x_5 y_3 - x_3 x_5 y_2 + y_2 y_3 y_5) + b_{0,0,2,0,-2,0,0,0,-2,0}^r (x_2 x_3 x_5 - x_2 x_3 y_5 -$$

$$x_2 x_5 y_3 - x_2 y_3 y_5 + x_3 x_5 y_2 + x_3 y_2 y_5 + x_5 y_2 y_3 - y_2 y_3 y_5)(x_2 x_3 x_5 + x_2 x_3 y_5 + x_2 x_5 y_3 -$$

$$x_2 y_3 y_5 - x_3 x_5 y_2 + x_3 y_2 y_5 + x_5 y_2 y_3 + y_2 y_3 y_5) - 2 i b_{0,0,2,0,-2,0,2,0,0,0}^r (x_2 x_3 x_4 + x_2 y_3 y_4 - x_3 y_2 y_4 +$$

$$x_4 y_2 y_3)(x_2 x_3 y_4 - x_2 x_4 y_3 + x_3 x_4 y_2 + y_2 y_3 y_4) + b_{0,0,2,0,-2,0,2,0,0,0}^r (x_2 x_3 x_4 - x_2 x_3 y_4 + x_2 x_4 y_3 +$$

$$x_2 y_3 y_4 - x_3 x_4 y_2 - x_3 y_2 y_4 + x_4 y_2 y_3 - y_2 y_3 y_4)(x_2 x_3 x_4 + x_2 x_3 y_4 - x_2 x_4 y_3 + x_2 y_3 y_4 +$$

$$x_3 x_4 y_2 - x_3 y_2 y_4 + x_4 y_2 y_3 + y_2 y_3 y_4) + 2 i b_{0,0,2,0,0,0,-2,0,-2,0}^r (x_2 x_4 x_5 - x_2 y_4 y_5 + x_4 y_2 y_5 +$$

$$x_5 y_2 y_4)(x_2 x_4 y_5 + x_2 x_5 y_4 - x_4 x_5 y_2 + y_2 y_4 y_5) + b_{0,0,2,0,0,0,-2,0,-2,0}^r (x_2 x_4 x_5 - x_2 x_4 y_5 - x_2 x_5 y_4 -$$

$$x_2 y_4 y_5 + x_4 x_5 y_2 + x_4 y_2 y_5 + x_5 y_2 y_4 - y_2 y_4 y_5)(x_2 x_4 x_5 + x_2 x_4 y_5 + x_2 x_5 y_4 - x_2 y_4 y_5 -$$

$$x_4 x_5 y_2 + x_4 y_2 y_5 + x_5 y_2 y_4 + y_2 y_4 y_5) - 2 i b_{0,0,2,0,0,0,0,0,0,2}^r x_2 y_2 (x_5^2 + y_5^2)^2 + b_{0,0,2,0,0,0,0,0,0,2}^r (x_2 -$$

$$y_2)(x_2 + y_2)(x_5^2 + y_5^2)^2 - 2 i b_{0,0,2,0,0,0,0,1,0,1}^r x_2 y_2 (x_4^2 + y_4^2)(x_5^2 + y_5^2) + b_{0,0,2,0,0,0,0,1,0,1}^r (x_2 -$$

$$y_2)(x_2 + y_2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) - 2 i b_{0,0,2,0,0,0,0,2,0,0}^r x_2 y_2 (x_4^2 + y_4^2)^2 + b_{0,0,2,0,0,0,0,2,0,0}^r (x_2 -$$

$$y_2)(x_2 + y_2)(x_4^2 + y_4^2)^2 - 2 i b_{0,0,2,0,0,0,2,0,2,0}^r (x_2 x_4 x_5 - x_2 y_4 y_5 - x_4 y_2 y_5 - x_5 y_2 y_4)(x_2 x_4 y_5 +$$

$$x_2 x_5 y_4 + x_4 x_5 y_2 - y_2 y_4 y_5) + b_{0,0,2,0,0,0,2,0,2,0}^r (x_2 x_4 x_5 - x_2 x_4 y_5 - x_2 x_5 y_4 - x_2 y_4 y_5 - x_4 x_5 y_2 -$$

$$x_4 y_2 y_5 - x_5 y_2 y_4 + y_2 y_4 y_5)(x_2 x_4 x_5 + x_2 x_4 y_5 + x_2 x_5 y_4 - x_2 y_4 y_5 + x_4 x_5 y_2 - x_4 y_2 y_5 -$$

$$x_5 y_2 y_4 - y_2 y_4 y_5) - 2 i b_{0,0,2,0,0,1,0,0,0,1}^r x_2 y_2 (x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{0,0,2,0,0,1,0,0,0,1}^r (x_2 - y_2)(x_2 +$$

$$y_2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2 i b_{0,0,2,0,0,1,0,1,0,0}^r x_2 y_2 (x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{0,0,2,0,0,1,0,1,0,0}^r (x_2 -$$

$$y_2)(x_2 + y_2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) - 2 i b_{0,0,2,0,0,2,0,0,0,0}^r x_2 y_2 (x_3^2 + y_3^2)^2 + b_{0,0,2,0,0,2,0,0,0,0}^r (x_2 -$$

$$y_2)(x_2 + y_2)(x_3^2 + y_3^2)^2 + 2ib_{0,0,2,0,2,0,-2,0,0,0}^r(x_2x_3x_4 + x_2y_3y_4 + x_3y_2y_4 - x_4y_2y_3)(x_2x_3y_4-$$

$$x_2x_4y_3 - x_3x_4y_2 - y_2y_3y_4) + b_{0,0,2,0,2,0,-2,0,0,0}^r(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 + x_2y_3y_4 + x_3x_4y_2+$$

$$x_3y_2y_4 - x_4y_2y_3 + y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 - x_3x_4y_2 + x_3y_2y_4-$$

$$x_4y_2y_3 - y_2y_3y_4) - 2ib_{0,0,2,0,2,0,0,0,2,0}^r(x_2x_3x_5 - x_2y_3y_5 - x_3y_2y_5 - x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3+$$

$$x_3x_5y_2 - y_2y_3y_5) + b_{0,0,2,0,2,0,0,0,2,0}^r(x_2x_3x_5 - x_2x_3y_5 - x_2x_5y_3 - x_2y_3y_5 - x_3x_5y_2 - x_3y_2y_5-$$

$$x_5y_2y_3 + y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 - x_3y_2y_5 - x_5y_2y_3-$$

$$y_2y_3y_5) - 2ib_{0,0,2,1,0,0,0,0,0,1}^r x_2y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{0,0,2,1,0,0,0,0,0,1}^r(x_2 - y_2)(x_2 + y_2)(x_2^2+$$

$$y_2^2)(x_5^2 + y_5^2) - 2ib_{0,0,2,1,0,0,0,1,0,0}^r x_2y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{0,0,2,1,0,0,0,1,0,0}^r(x_2 - y_2)(x_2+$$

$$y_2)(x_2^2 + y_2^2)(x_4^2 + y_4^2) - 2ib_{0,0,2,1,0,1,0,0,0,0}^r x_2y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{0,0,2,1,0,1,0,0,0,0}^r(x_2-$$

$$y_2)(x_2 + y_2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) - 2ib_{0,0,2,2,0,0,0,0,0,0}^r x_2y_2(x_2^2 + y_2^2)^2 + b_{0,0,2,2,0,0,0,0,0,0}^r(x_2-$$

$$y_2)(x_2 + y_2)(x_2^2 + y_2^2)^2 + b_{0,0,3,0,-1,0,1,0,-1,0}^r(x_2^3x_3x_4x_5 + x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5+$$

$$x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 - 3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5-$$

$$3x_2x_3x_4x_5y_2^2 - 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5+$$

$$x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) + ib_{0,0,3,0,-1,0,1,0,-1,0}^r(x_2^3x_3x_4y_5 - x_2^3x_3x_5y_4+$$

$$x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 - 3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5-$$

$$3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5+$$

$$x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) + b_{0,0,3,0,1,0,-1,0,-1,0}^r(x_2^3x_3x_4x_5-$$

$$x_2^3x_3y_4y_5 + x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 + 3x_2^2x_3x_5y_2y_4-$$

$$3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 - 3x_2x_4y_2^2y_3y_5-$$

$$3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5)+$$

$$ib_{0,0,3,0,1,0,-1,0,-1,0}^r(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 - x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2+$$

$$3x_2^2x_3y_2y_4y_5 - 3x_2^2x_4y_2y_3y_5 - 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4+$$

$$3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 + x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4)+$$

$$b_{0,0,3,0,1,0,1,0,1,0}^r(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 - x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5-$$

$$3x_2^2x_3x_5y_2y_4 - 3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5+$$

$$3x_2x_4y_2^2y_3y_5 + 3x_2x_5y_2^2y_3y_4 + x_3x_4y_2^3y_5 + x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5)-$$

$$ib_{0,0,3,0,1,0,1,0,1,0}^r(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 - x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2-$$

$$3x_2^2x_3y_2y_4y_5 - 3x_2^2x_4y_2y_3y_5 - 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4-$$

$$3x_2x_4x_5y_2^2y_3 + 3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4)+$$

$$2ib_{0,0,4,0,0,0,0,0,-2,0}^r(x_2^2x_5 + 2x_2y_2y_5 - x_5y_2^2)(x_2^2y_5 - 2x_2x_5y_2 - y_2^2y_5) + b_{0,0,4,0,0,0,0,0,-2,0}^r(x_2^2x_5-$$

$$x_2^2y_5 + 2x_2x_5y_2 + 2x_2y_2y_5 - x_5y_2^2 + y_2^2y_5)(x_2^2x_5 + x_2^2y_5 - 2x_2x_5y_2 + 2x_2y_2y_5 - x_5y_2^2-$$

$$y_2^2y_5) - 2ib_{0,0,4,0,0,0,2,0,0,0}^r(x_2^2x_4 - 2x_2y_2y_4 - x_4y_2^2)(x_2^2y_4 + 2x_2x_4y_2 - y_2^2y_4)+$$

$$b_{0,0,4,0,0,0,2,0,0,0}^r(x_2^2x_4 - x_2^2y_4 - 2x_2x_4y_2 - 2x_2y_2y_4 - x_4y_2^2 + y_2^2y_4)(x_2^2x_4 + x_2^2y_4+$$

$$2x_2x_4y_2 - 2x_2y_2y_4 - x_4y_2^2 - y_2^2y_4) - 2ib_{0,0,4,0,2,0,0,0,0,0}^r(x_2^2x_3 - 2x_2y_2y_3 - x_3y_2^2)(x_2^2y_3+$$

$$2x_2x_3y_2 - y_2^2y_3) + b_{0,0,4,0,2,0,0,0,0,0}^r(x_2^2x_3 - x_2^2y_3 - 2x_2x_3y_2 - 2x_2y_2y_3 - x_3y_2^2+$$

$$y_2^2y_3)(x_2^2x_3 + x_2^2y_3 + 2x_2x_3y_2 - 2x_2y_2y_3 - x_3y_2^2 - y_2^2y_3) + b_{0,1,-1,0,-1,0,-1,0,1,0}^r(x_1^2+$$

$$y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3-$$

$$y_2y_3y_4y_5) - ib_{0,1,-1,0,-1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5-$$

$$x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + b_{0,1,-1,0,1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4x_5+$$

$$x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)+$$

$$ib_{0,1,-1,0,1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + 2ib_{0,1,-2,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2)+$$

$$b^r_{0,1,-2,0,0,0,0,0,-2,0}(x_1^2+y_1^2)(x_2x_5-x_2y_5-x_5y_2-y_2y_5)(x_2x_5+x_2y_5+x_5y_2-y_2y_5)-$$

$$2ib^r_{0,1,-2,0,0,0,2,0,0,0}(x_1^2+y_1^2)(x_2x_4+y_2y_4)(x_2y_4-x_4y_2)+b^r_{0,1,-2,0,0,0,2,0,0,0}(x_1^2+y_1^2)(x_2x_4-x_2y_4+$$

$$x_4y_2+y_2y_4)(x_2x_4+x_2y_4-x_4y_2+y_2y_4)-2ib^r_{0,1,-2,0,2,0,0,0,0,0}(x_1^2+y_1^2)(x_2x_3+y_2y_3)(x_2y_3-$$

$$x_3y_2)+b^r_{0,1,-2,0,2,0,0,0,0,0}(x_1^2+y_1^2)(x_2x_3-x_2y_3+x_3y_2+y_2y_3)(x_2x_3+x_2y_3-x_3y_2+y_2y_3)+$$

$$4ib^r_{0,1,-4,0,0,0,0,0,0,0}x_2y_2(x_1^2+y_1^2)(x_2-y_2)(x_2+y_2)+b^r_{0,1,-4,0,0,0,0,0,0,0}(x_1^2+y_1^2)(x_2^2-2x_2y_2-$$

$$y_2^2)(x_2^2+2x_2y_2-y_2^2)+2ib^r_{0,1,0,0,-2,0,0,0,0,1}x_3y_3(x_1^2+y_1^2)(x_5^2+y_5^2)+b^r_{0,1,0,0,-2,0,0,0,0,1}(x_1^2+$$

$$y_1^2)(x_3-y_3)(x_3+y_3)(x_5^2+y_5^2)+2ib^r_{0,1,0,0,-2,0,0,1,0,0}x_3y_3(x_1^2+y_1^2)(x_4^2+y_4^2)+$$

$$b^r_{0,1,0,0,-2,0,0,1,0,0}(x_1^2+y_1^2)(x_3-y_3)(x_3+y_3)(x_4^2+y_4^2)+2ib^r_{0,1,0,0,-2,1,0,0,0,0}x_3y_3(x_1^2+y_1^2)(x_3^2+$$

$$y_3^2)+b^r_{0,1,0,0,-2,1,0,0,0,0}(x_1^2+y_1^2)(x_3-y_3)(x_3+y_3)(x_3^2+y_3^2)+2ib^r_{0,1,0,0,0,0,-2,0,0,1}x_4y_4(x_1^2+$$

$$y_1^2)(x_5^2+y_5^2)+b^r_{0,1,0,0,0,0,-2,0,0,1}(x_1^2+y_1^2)(x_4-y_4)(x_4+y_4)(x_5^2+y_5^2)+$$

$$2ib^r_{0,1,0,0,0,0,-2,1,0,0}x_4y_4(x_1^2+y_1^2)(x_4^2+y_4^2)+b^r_{0,1,0,0,0,0,-2,1,0,0}(x_1^2+y_1^2)(x_4-y_4)(x_4+y_4)(x_4^2+$$

$$y_4^2)+4ib^r_{0,1,0,0,0,0,0,0,-4,0}x_5y_5(x_1^2+y_1^2)(x_5-y_5)(x_5+y_5)+b^r_{0,1,0,0,0,0,0,0,-4,0}(x_1^2+y_1^2)(x_5^2-2x_5y_5-$$

$$y_5^2)(x_5^2+2x_5y_5-y_5^2)-2ib^r_{0,1,0,0,0,0,0,0,2,1}x_5y_5(x_1^2+y_1^2)(x_5^2+y_5^2)+b^r_{0,1,0,0,0,0,0,0,2,1}(x_1^2+$$

$$y_1^2)(x_5-y_5)(x_5+y_5)(x_5^2+y_5^2)-2ib^r_{0,1,0,0,0,0,0,0,1,2,0}x_5y_5(x_1^2+y_1^2)(x_4^2+y_4^2)+$$

$$b^r_{0,1,0,0,0,0,0,1,2,0}(x_1^2+y_1^2)(x_4^2+y_4^2)(x_5-y_5)(x_5+y_5)+2ib^r_{0,1,0,0,0,0,2,0,-2,0}(x_1^2+y_1^2)(x_4x_5+$$

$$y_4y_5)(x_4y_5-x_5y_4)+b^r_{0,1,0,0,0,0,2,0,-2,0}(x_1^2+y_1^2)(x_4x_5-x_4y_5+x_5y_4+y_4y_5)(x_4x_5+x_4y_5-x_5y_4+$$

$$y_4y_5)-4ib^r_{0,1,0,0,0,0,4,0,0,0}x_4y_4(x_1^2+y_1^2)(x_4-y_4)(x_4+y_4)+b^r_{0,1,0,0,0,0,4,0,0,0}(x_1^2+y_1^2)(x_4^2-2x_4y_4-$$

$$y_4^2)(x_4^2+2x_4y_4-y_4^2)+2ib^r_{0,1,0,0,0,1,-2,0,0,0}x_4y_4(x_1^2+y_1^2)(x_3^2+y_3^2)+b^r_{0,1,0,0,0,1,-2,0,0,0}(x_1^2+$$

$$y_1^2)(x_3^2+y_3^2)(x_4-y_4)(x_4+y_4)-2ib^r_{0,1,0,0,0,1,0,0,2,0}x_5y_5(x_1^2+y_1^2)(x_3^2+y_3^2)+$$

$$b^r_{0,1,0,0,0,1,0,0,2,0}(x_1^2+y_1^2)(x_3^2+y_3^2)(x_5-y_5)(x_5+y_5)+2ib^r_{0,1,0,0,2,0,0,0,-2,0}(x_1^2+y_1^2)(x_3x_5+$$

$$y_3y_5)(x_3y_5-x_5y_3)+b^r_{0,1,0,0,2,0,0,0,-2,0}(x_1^2+y_1^2)(x_3x_5-x_3y_5+x_5y_3+y_3y_5)(x_3x_5+x_3y_5-x_5y_3+$$

$$y_3y_5)-2ib^r_{0,1,0,0,2,0,2,0,0,0}(x_1^2+y_1^2)(x_3x_4-y_3y_4)(x_3y_4+x_4y_3)+b^r_{0,1,0,0,2,0,2,0,0,0}(x_1^2+y_1^2)(x_3x_4-$$

$$x_3y_4-x_4y_3-y_3y_4)(x_3x_4+x_3y_4+x_4y_3-y_3y_4)-4ib^r_{0,1,0,0,4,0,0,0,0,0}x_3y_3(x_1^2+y_1^2)(x_3-y_3)(x_3+$$

$$y_3)+b^r_{0,1,0,0,4,0,0,0,0,0}(x_1^2+y_1^2)(x_3^2-2x_3y_3-y_3^2)(x_3^2+2x_3y_3-y_3^2)+$$

$$2ib^r_{0,1,0,1,-2,0,0,0,0,0}x_3y_3(x_1^2+y_1^2)(x_2^2+y_2^2)+b^r_{0,1,0,1,-2,0,0,0,0,0}(x_1^2+y_1^2)(x_2^2+y_2^2)(x_3-y_3)(x_3+$$

$$y_3)+2ib^r_{0,1,0,1,0,0,-2,0,0,0}x_4y_4(x_1^2+y_1^2)(x_2^2+y_2^2)+b^r_{0,1,0,1,0,0,-2,0,0,0}(x_1^2+y_1^2)(x_2^2+y_2^2)(x_4-$$

$$y_4)(x_4+y_4)-2ib^r_{0,1,0,1,0,0,0,0,2,0}x_5y_5(x_1^2+y_1^2)(x_2^2+y_2^2)+b^r_{0,1,0,1,0,0,0,0,2,0}(x_1^2+y_1^2)(x_2^2+$$

$$y_2^2)(x_5-y_5)(x_5+y_5)+b^r_{0,1,1,0,-1,0,-1,0,-1,0}(x_1^2+y_1^2)(x_2x_3x_4x_5-x_2x_3y_4y_5-x_2x_4y_3y_5-$$

$$x_2x_5y_3y_4+x_3x_4y_2y_5+x_3x_5y_2y_4+x_4x_5y_2y_3-y_2y_3y_4y_5)+ib^r_{0,1,1,0,-1,0,-1,0,-1,0}(x_1^2+$$

$$y_1^2)(x_2x_3x_4y_5+x_2x_3x_5y_4+x_2x_4x_5y_3-x_2y_3y_4y_5-x_3x_4x_5y_2+x_3y_2y_4y_5+x_4y_2y_3y_5+$$

$$x_5y_2y_3y_4)+b^r_{0,1,1,0,-1,0,1,0,1,0}(x_1^2+y_1^2)(x_2x_3x_4x_5-x_2x_3y_4y_5+x_2x_4y_3y_5+x_2x_5y_3y_4-$$

$$x_3x_4y_2y_5-x_3x_5y_2y_4+x_4x_5y_2y_3-y_2y_3y_4y_5)-ib^r_{0,1,1,0,-1,0,1,0,1,0}(x_1^2+y_1^2)(x_2x_3x_4y_5+$$

$$x_2x_3x_5y_4-x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2-x_3y_2y_4y_5+x_4y_2y_3y_5+x_5y_2y_3y_4)+$$

$$b^r_{0,1,1,0,1,0,-1,0,1,0}(x_1^2+y_1^2)(x_2x_3x_4x_5+x_2x_3y_4y_5-x_2x_4y_3y_5+x_2x_5y_3y_4-x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4-x_4x_5y_2y_3-y_2y_3y_4y_5)-ib^r_{0,1,1,0,1,0,-1,0,1,0}(x_1^2+y_1^2)(x_2x_3x_4y_5-x_2x_3x_5y_4+$$

$$x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2+x_3y_2y_4y_5-x_4y_2y_3y_5+x_5y_2y_3y_4)-$$

$$2ib^r_{0,1,2,0,0,0,0,0,0,1}x_2y_2(x_1^2+y_1^2)(x_5^2+y_5^2)+b^r_{0,1,2,0,0,0,0,0,0,1}(x_1^2+y_1^2)(x_2-y_2)(x_2+y_2)(x_5^2+$$

$$y_5^2)-2ib^r_{0,1,2,0,0,0,0,1,0,0}x_2y_2(x_1^2+y_1^2)(x_4^2+y_4^2)+b^r_{0,1,2,0,0,0,0,1,0,0}(x_1^2+y_1^2)(x_2-y_2)(x_2+$$

$$y_2)(x_4^2+y_4^2)-2ib^r_{0,1,2,0,0,1,0,0,0,0}x_2y_2(x_1^2+y_1^2)(x_3^2+y_3^2)+b^r_{0,1,2,0,0,1,0,0,0,0}(x_1^2+y_1^2)(x_2-$$

$$y_2)(x_2+y_2)(x_3^2+y_3^2)-2ib^r_{0,1,2,1,0,0,0,0,0,0}x_2y_2(x_1^2+y_1^2)(x_2^2+y_2^2)+b^r_{0,1,2,1,0,0,0,0,0,0}(x_1^2+$$

$$y_1^2)(x_2-y_2)(x_2+y_2)(x_2^2+y_2^2)+2ib^r_{0,2,0,0,-2,0,0,0,0,0}x_3y_3(x_1^2+y_1^2)^2+b^r_{0,2,0,0,-2,0,0,0,0,0}(x_1^2+$$

$$y_1^2)^2(x_3-y_3)(x_3+y_3)+2ib^r_{0,2,0,0,0,0,-2,0,0,0}x_4y_4(x_1^2+y_1^2)^2+b^r_{0,2,0,0,0,0,-2,0,0,0}(x_1^2+y_1^2)^2(x_4-$$

$$y_4)(x_4 + y_4) - 2ib^r_{0,2,0,0,0,0,0,0,2,0}x_5y_5(x_1^2 + y_1^2)^2 + b^r_{0,2,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)^2(x_5 - y_5)(x_5 + y_5)-$$

$$2ib^r_{0,2,2,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2)^2 + b^r_{0,2,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_2 - y_2)(x_2 + y_2)+$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2-$$

$$y_1y_2y_3^2) + ib^r_{1,0,-1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1+$$

$$x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{1,0,-1,0,-2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3+$$

$$2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + ib^r_{1,0,-1,0,-2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2-$$

$$x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{1,0,-1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2-$$

$$x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + ib^r_{1,0,-1,0,-2,1,0,0,0,0}(x_3^2+$$

$$y_3^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3)+$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2-$$

$$y_1y_2y_4^2) + ib^r_{1,0,-1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1+$$

$$x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{1,0,-1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4+$$

$$2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + ib^r_{1,0,-1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2-$$

$$x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{1,0,-1,0,0,0,0,0,0,-4,0}(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2+$$

$$x_1x_2y_5^4 - 4x_1x_5^3y_2y_5 + 4x_1x_5y_2y_5^3 + 4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 + x_5^4y_1y_2-$$

$$6x_5^2y_1y_2y_5^2 + y_1y_2y_5^4) + ib^r_{1,0,-1,0,0,0,0,0,0,-4,0}(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 + x_1x_5^4y_2-$$

$$6x_1x_5^2y_2y_5^2 + x_1y_2y_5^4 - x_2x_5^4y_1 + 6x_2x_5^2y_1y_5^2 - x_2y_1y_5^4 + 4x_5^3y_1y_2y_5-$$

$$4x_5y_1y_2y_5^3) + b^r_{1,0,-1,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5+$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{1,0,-1,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2+$$

$$x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,0,-1,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2+$$

$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{1,0,-1,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(2x_1x_2x_5y_5-$$

$$x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,0,-1,0,0,0,2,0,-2,0}(x_1x_2x_4^2x_5^2-$$

$$x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 - 2x_1x_4^2x_5y_2y_5+$$

$$2x_1x_4x_5^2y_2y_4 - 2x_1x_4y_2y_4y_5^2 + 2x_1x_5y_2y_4^2y_5 + 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4+$$

$$2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 + x_4^2x_5^2y_1y_2 - x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5-$$

$$x_5^2y_1y_2y_4^2 + y_1y_2y_4^2y_5^2) + ib^r_{1,0,-1,0,0,0,2,0,-2,0}(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4+$$

$$2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 + x_1x_4^2x_5^2y_2 - x_1x_4^2y_2y_5^2 + 4x_1x_4x_5y_2y_4y_5-$$

$$x_1x_5^2y_2y_4^2 + x_1y_2y_4^2y_5^2 - x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5+$$

$$x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2 + 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2-$$

$$2x_5y_1y_2y_4^2y_5) + b^r_{1,0,-1,0,0,0,4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 + 4x_1x_4^3y_2y_4-$$

$$4x_1x_4y_2y_4^3 - 4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 + x_4^4y_1y_2 - 6x_4^2y_1y_2y_4^2 + y_1y_2y_4^4)-$$

$$ib^r_{1,0,-1,0,0,0,4,0,0,0}(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 - x_1x_4^4y_2 + 6x_1x_4^2y_2y_4^2 - x_1y_2y_4^4+$$

$$x_2x_4^4y_1 - 6x_2x_4^2y_1y_4^2 + x_2y_1y_4^4 + 4x_4^3y_1y_2y_4 - 4x_4y_1y_2y_4^3) + b^r_{1,0,-1,0,0,1,-2,0,0,0}(x_3^2+$$

$$y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2)+$$

$$ib^r_{1,0,-1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2+$$

$$2x_4y_1y_2y_4) + b^r_{1,0,-1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5+$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{1,0,-1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2+$$

$$x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,0,-1,0,2,0,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2+$$

$$4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 - 2x_1x_3^2x_5y_2y_5 + 2x_1x_3x_5^2y_2y_3-$$

$$2x_1x_3y_2y_3y_5^2 + 2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2-$$

$$2x_2x_5y_1y_3^2y_5 + x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2+$$

$$y_1y_2y_3^2y_5^2) + ib^r_{1,0,-1,0,2,0,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2-$$

$$2x_1x_2x_5y_3^2y_5 + x_1x_3^2x_5^2y_2 - x_1x_3^2y_2y_5^2 + 4x_1x_3x_5y_2y_3y_5 - x_1x_5^2y_2y_3^2 +$$

$$x_1y_2y_3^2y_5^2 - x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5 + x_2x_5^2y_1y_3^2 -$$

$$x_2y_1y_3^2y_5^2 + 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 - 2x_5y_1y_2y_3^2y_5) +$$

$$b^r_{1,0,-1,0,2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$$

$$x_1x_2y_3^2y_4^2 + 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2 - 2x_1x_4y_2y_3^2y_4 -$$

$$2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 -$$

$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) -$$

$$ib^r_{1,0,-1,0,2,0,2,0,0,0}(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 -$$

$$x_1x_3^2x_4^2y_2 + x_1x_3^2y_2y_4^2 + 4x_1x_3x_4y_2y_3y_4 + x_1x_4^2y_2y_3^2 - x_1y_2y_3^2y_4^2 +$$

$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2 +$$

$$2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 - 2x_4y_1y_2y_3^2y_4) +$$

$$b^r_{1,0,-1,0,4,0,0,0,0,0}(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 + 4x_1x_3^3y_2y_3 - 4x_1x_3y_2y_3^3 -$$

$$4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 + x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) -$$

$$ib^r_{1,0,-1,0,4,0,0,0,0,0}(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 - x_1x_3^4y_2 + 6x_1x_3^2y_2y_3^2 - x_1y_2y_3^4 +$$

$$x_2x_3^4y_1 - 6x_2x_3^2y_1y_3^2 + x_2y_1y_3^4 + 4x_3^3y_1y_2y_3 - 4x_3y_1y_2y_3^3) + b^r_{1,0,-1,1,-2,0,0,0,0,0}(x_2^2 +$$

$$y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) +$$

$$ib^r_{1,0,-1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 +$$

$$2x_3y_1y_2y_3) + b^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 +$$

$$x_4^2y_1y_2 - y_1y_2y_4^2) + ib^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 -$$

$$x_2x_4^2y_1 + x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{1,0,-1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 +$$

$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) - ib^r_{1,0,-1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 -$$

$$x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,0,-2,0,-1,0,-1,0,1,0}(x_1x_2^2x_3x_4x_5 +$$

$$x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 -$$

$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 +$$

$$x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 +$$

$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 -$$

$$x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) - ib^r_{1,0,-2,0,-1,0,-1,0,1,0}(x_1x_2^2x_3x_4y_5 -$$

$$x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 -$$

$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 +$$

$$x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 +$$

$$2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 -$$

$$x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{1,0,-2,0,1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 +$$

$$x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 +$$

$$2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 +$$

$$x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 +$$

$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 +$$

$$x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) + ib^r_{1,0,-2,0,1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 -$$

$$x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 +$$

$$2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 +$$

$$x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 +$$

$$2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 +$$

$$x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b^r_{1,0,-3,0,0,0,0,0,-2,0}(x_1x_2^3x_5^2 - x_1x_2^3y_5^2 -$$

$$6x_1x_2^2x_5y_2y_5 - 3x_1x_2x_5^2y_2^2 + 3x_1x_2y_2^2y_5^2 + 2x_1x_5y_2^3y_5 + 2x_2^3x_5y_1y_5+$$

$$3x_2^2x_5^2y_1y_2 - 3x_2^2y_1y_2y_5^2 - 6x_2x_5y_1y_2^2y_5 - x_5^2y_1y_2^3 + y_1y_2^3y_5^2)+$$

$$ib_{1,0,-3,0,0,0,0,0,-2,0}^r(2x_1x_2^3x_5y_5 + 3x_1x_2^2x_5^2y_2 - 3x_1x_2^2y_2y_5^2 - 6x_1x_2x_5y_2^2y_5-$$

$$x_1x_5^2y_2^3 + x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2 + 6x_2^2x_5y_1y_2y_5 + 3x_2x_5^2y_1y_2^2-$$

$$3x_2y_1y_2^2y_5^2 - 2x_5y_1y_2^3y_5) + b_{1,0,-3,0,0,0,2,0,0,0}^r(x_1x_2^3x_4^2 - x_1x_2^3y_4^2 + 6x_1x_2^2x_4y_2y_4-$$

$$3x_1x_2x_4^2y_2^2 + 3x_1x_2y_2^2y_4^2 - 2x_1x_4y_2^3y_4 - 2x_2^3x_4y_1y_4 + 3x_2^2x_4^2y_1y_2-$$

$$3x_2^2y_1y_2y_4^2 + 6x_2x_4y_1y_2^2y_4 - x_4^2y_1y_2^3 + y_1y_2^3y_4^2) - ib_{1,0,-3,0,0,0,2,0,0,0}^r(2x_1x_2^3x_4y_4-$$

$$3x_1x_2^2x_4^2y_2 + 3x_1x_2^2y_2y_4^2 - 6x_1x_2x_4y_2^2y_4 + x_1x_4^2y_2^3 - x_1y_2^3y_4^2 + x_2^3x_4^2y_1-$$

$$x_2^3y_1y_4^2 + 6x_2^2x_4y_1y_2y_4 - 3x_2x_4^2y_1y_2^2 + 3x_2y_1y_2^2y_4^2 - 2x_4y_1y_2^3y_4)+$$

$$b_{1,0,-3,0,2,0,0,0,0,0}^r(x_1x_2^3x_3^2 - x_1x_2^3y_3^2 + 6x_1x_2^2x_3y_2y_3 - 3x_1x_2x_3^2y_2^2 + 3x_1x_2y_2^2y_3^2-$$

$$2x_1x_3y_2^3y_3 - 2x_2^3x_3y_1y_3 + 3x_2^2x_3^2y_1y_2 - 3x_2^2y_1y_2y_3^2 + 6x_2x_3y_1y_2^2y_3-$$

$$x_3^2y_1y_2^3 + y_1y_2^3y_3^2) - ib_{1,0,-3,0,2,0,0,0,0,0}^r(2x_1x_2^3x_3y_3 - 3x_1x_2^2x_3^2y_2 + 3x_1x_2^2y_2y_3^2-$$

$$6x_1x_2x_3y_2^2y_3 + x_1x_3^2y_2^3 - x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2 + 6x_2^2x_3y_1y_2y_3-$$

$$3x_2x_3^2y_1y_2^2 + 3x_2y_1y_2^2y_3^2 - 2x_3y_1y_2^3y_3) + b_{1,0,-5,0,0,0,0,0,0,0}^r(x_1x_2^5 - 10x_1x_2^3y_2^2+$$

$$5x_1x_2y_2^4 + 5x_2^4y_1y_2 - 10x_2^2y_1y_2^3 + y_1y_2^5) + ib_{1,0,-5,0,0,0,0,0,0,0}^r(5x_1x_2^4y_2 - 10x_1x_2^2y_2^3+$$

$$x_1y_2^5 - x_2^5y_1 + 10x_2^3y_1y_2^2 - 5x_2y_1y_2^4) + b_{1,0,0,0,-1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4x_5-$$

$$x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$ib_{1,0,0,0,-1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,0,0,0,-1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5-$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$ib_{1,0,0,0,-1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,0,0,0,-1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)-$$

$$ib_{1,0,0,0,-1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1-$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,0,0,0,-1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)-$$

$$ib_{1,0,0,0,-1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1-$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,0,0,0,-1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5-$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$ib_{1,0,0,0,-1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,0,0,0,-1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)-$$

$$ib_{1,0,0,0,-1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1-$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b_{1,0,0,0,-3,0,1,0,-1,0}^r(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5-$$

$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5-$$

$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5-$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 - y_1y_3^3y_4y_5)+$$

$$ib_{1,0,0,0,-3,0,1,0,-1,0}^r(x_1x_3^3x_4y_5 - x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5-$$

$$3x_1x_3x_4y_3^2y_5 + 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5+$$

$$3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5+$$

$$x_5y_1y_3^3y_4) + b_{1,0,0,0,1,0,-1,0,1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4-$$

$$x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - ib_{1,0,0,0,1,0,-1,0,1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4y_5-$$

$$x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 +$$

$$x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - ib^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 +$$

$$x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 +$$

$$3x_1x_4^2x_5y_3y_4 - 3x_1x_4y_3y_4^2y_5 - x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 -$$

$$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 + 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 -$$

$$y_1y_3y_4^3y_5) + ib^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 -$$

$$x_1x_3x_5y_4^3 - x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 + 3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 +$$

$$3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 +$$

$$3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) + b^r_{1,0,0,0,1,0,1,0,-3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 +$$

$$3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 + 3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 +$$

$$3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 -$$

$$x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 - 3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) +$$

$$ib^r_{1,0,0,0,1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 +$$

$$3x_1x_4x_5y_3y_5^2 - 3x_1x_5^2y_3y_4y_5 + x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1 + 3x_3x_4x_5y_1y_5^2 -$$

$$3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 -$$

$$3x_5y_1y_3y_4y_5^2) + b^r_{1,0,0,0,1,0,1,0,3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 +$$

$$x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 + 3x_1x_5y_3y_4y_5^2 -$$

$$3x_3x_4x_5^2y_1y_5 + x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 +$$

$$3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) - ib^r_{1,0,0,0,1,0,1,0,3,0}(3x_1x_3x_4x_5^2y_5 -$$

$$x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 -$$

$$3x_1x_5^2y_3y_4y_5 + x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 +$$

$$x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) +$$

$$b^r_{1,0,0,0,1,0,3,0,-1,0}(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 -$$

$$3x_1x_4^2x_5y_3y_4 - 3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 -$$

$$3x_3x_4y_1y_4^2y_5 + x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 +$$

$$y_1y_3y_4^3y_5) + ib^r_{1,0,0,0,1,0,3,0,-1,0}(x_1x_3x_4^3y_5 - 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 +$$

$$x_1x_3x_5y_4^3 - x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 + 3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 -$$

$$3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 + x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 +$$

$$3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) + b^r_{1,0,0,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 -$$

$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$

$$ib^r_{1,0,0,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 +$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,0,0,3,0,1,0,-1,0}(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5 +$$

$$3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 +$$

$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 -$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) +$$

$$ib^r_{1,0,0,0,3,0,1,0,-1,0}(x_1x_3^3x_4y_5 - x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 - 3x_1x_3^2y_3y_4y_5 -$$

$$3x_1x_3x_4y_3^2y_5 + 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 -$$

$$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 -$$

$$x_5y_1y_3^3y_4) + b^r_{1,0,0,1,-1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 +$$

$$x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + ib^r_{1,0,0,1,-1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 +$$

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$$x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4)+$$

$$b^r_{1,0,0,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5-$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - ib^r_{1,0,0,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4-$$

$$x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,0,1,1,0,-1,0,1,0}(x_2^2+$$

$$y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3-$$

$$y_1y_3y_4y_5) - ib^r_{1,0,0,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5+$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,1,0,-2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2-$$

$$x_1x_2x_3^2y_5^2 - 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5+$$

$$2x_1x_3x_5^2y_2y_3 - 2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3-$$

$$2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2 + x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5+$$

$$x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) + ib^r_{1,0,1,0,-2,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5 + 2x_1x_2x_3x_5^2y_3-$$

$$2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 - x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 + 4x_1x_3x_5y_2y_3y_5+$$

$$x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2 - x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 + 4x_2x_3x_5y_1y_3y_5+$$

$$x_2x_5^2y_1y_3^2 - x_2y_1y_3^2y_5^2 - 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2+$$

$$2x_5y_1y_2y_3^2y_5) + b^r_{1,0,1,0,-2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 + 4x_1x_2x_3x_4y_3y_4-$$

$$x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2+$$

$$2x_1x_4y_2y_3^2y_4 - 2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4-$$

$$x_3^2x_4^2y_1y_2 + x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 - y_1y_2y_3^2y_4^2)-$$

$$ib^r_{1,0,1,0,-2,0,2,0,0,0}(2x_1x_2x_3^2x_4y_4 - 2x_1x_2x_3x_4^2y_3 + 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4+$$

$$x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 + 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2+$$

$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 + 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2-$$

$$2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4)+$$

$$b^r_{1,0,1,0,0,0,-2,0,-2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 - 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2+$$

$$x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 + 2x_1x_4x_5^2y_2y_4 - 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5+$$

$$2x_2x_4^2x_5y_1y_5 + 2x_2x_4x_5^2y_1y_4 - 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2+$$

$$x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2)+$$

$$ib^r_{1,0,1,0,0,0,-2,0,-2,0}(2x_1x_2x_4^2x_5y_5 + 2x_1x_2x_4x_5^2y_4 - 2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5-$$

$$x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 + 4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 - x_1y_2y_4^2y_5^2-$$

$$x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 + 4x_2x_4x_5y_1y_4y_5 + x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2-$$

$$2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2 + 2x_5y_1y_2y_4^2y_5) + b^r_{1,0,1,0,0,0,0,0,0,2}(x_5^2+$$

$$y_5^2)^2(x_1x_2 - y_1y_2) - ib^r_{1,0,1,0,0,0,0,0,0,2}(x_5^2 + y_5^2)^2(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2+$$

$$y_5^2)(x_1x_2 - y_1y_2) - ib^r_{1,0,1,0,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,0,0,0,2,0,0}(x_4^2+$$

$$y_4^2)^2(x_1x_2 - y_1y_2) - ib^r_{1,0,1,0,0,0,0,0,2,0,0}(x_4^2 + y_4^2)^2(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,0,0,2,0,2,0}(x_1x_2x_4^2x_5^2-$$

$$x_1x_2x_4^2y_5^2 - 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 - 2x_1x_4^2x_5y_2y_5-$$

$$2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 + 2x_1x_5y_2y_4^2y_5 - 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4+$$

$$2x_2x_4y_1y_4y_5^2 + 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2 + x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5+$$

$$x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) - ib^r_{1,0,1,0,0,0,0,2,0,2,0}(2x_1x_2x_4^2x_5y_5 + 2x_1x_2x_4x_5^2y_4-$$

$$2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 + x_1x_4^2x_5^2y_2 - x_1x_4^2y_2y_5^2 - 4x_1x_4x_5y_2y_4y_5-$$

$$x_1x_5^2y_2y_4^2 + x_1y_2y_4^2y_5^2 + x_2x_4^2x_5^2y_1 - x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5-$$

$$x_2x_5^2y_1y_4^2 + x_2y_1y_4^2y_5^2 - 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2+$$

$$2x_5y_1y_2y_4^2y_5) + b^r_{1,0,1,0,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) - ib^r_{1,0,1,0,0,0,1,0,0,0,1}(x_3^2+$$

$$y_3^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,0,0,1,0,1,0,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1x_2 - y_1y_2)-$$

$$ib^r_{1,0,1,0,0,1,0,1,0,0}(x_3^2+y_3^2)(x_4^2+y_4^2)(x_1y_2+x_2y_1)+b^r_{1,0,1,0,0,2,0,0,0,0}(x_3^2+y_3^2)^2(x_1x_2-y_1y_2)-$$

$$ib^r_{1,0,1,0,0,2,0,0,0,0}(x_3^2+y_3^2)^2(x_1y_2+x_2y_1)+b^r_{1,0,1,0,2,0,-2,0,0,0}(x_1x_2x_3^2x_4^2-x_1x_2x_3^2y_4^2+$$

$$4x_1x_2x_3x_4y_3y_4-x_1x_2x_4^2y_3^2+x_1x_2y_3^2y_4^2+2x_1x_3^2x_4y_2y_4-2x_1x_3x_4^2y_2y_3+$$

$$2x_1x_3y_2y_3y_4^2-2x_1x_4y_2y_3^2y_4+2x_2x_3^2x_4y_1y_4-2x_2x_3x_4^2y_1y_3+2x_2x_3y_1y_3y_4^2-$$

$$2x_2x_4y_1y_3^2y_4-x_3^2x_4^2y_1y_2+x_3^2y_1y_2y_4^2-4x_3x_4y_1y_2y_3y_4+x_4^2y_1y_2y_3^2-$$

$$y_1y_2y_3^2y_4^2)+ib^r_{1,0,1,0,2,0,-2,0,0,0}(2x_1x_2x_3^2x_4y_4-2x_1x_2x_3x_4^2y_3+2x_1x_2x_3y_3y_4^2-$$

$$2x_1x_2x_4y_3^2y_4-x_1x_3^2x_4^2y_2+x_1x_3^2y_2y_4^2-4x_1x_3x_4y_2y_3y_4+x_1x_4^2y_2y_3^2-$$

$$x_1y_2y_3^2y_4^2-x_2x_3^2x_4^2y_1+x_2x_3^2y_1y_4^2-4x_2x_3x_4y_1y_3y_4+x_2x_4^2y_1y_3^2-$$

$$x_2y_1y_3^2y_4^2-2x_3^2x_4y_1y_2y_4+2x_3x_4^2y_1y_2y_3-2x_3y_1y_2y_3y_4^2+2x_4y_1y_2y_3^2y_4)+$$

$$b^r_{1,0,1,0,2,0,0,0,2,0}(x_1x_2x_3^2x_5^2-x_1x_2x_3^2y_5^2-4x_1x_2x_3x_5y_3y_5-x_1x_2x_5^2y_3^2+$$

$$x_1x_2y_3^2y_5^2-2x_1x_3^2x_5y_2y_5-2x_1x_3x_5^2y_2y_3+2x_1x_3y_2y_3y_5^2+2x_1x_5y_2y_3^2y_5-$$

$$2x_2x_3^2x_5y_1y_5-2x_2x_3x_5^2y_1y_3+2x_2x_3y_1y_3y_5^2+2x_2x_5y_1y_3^2y_5-x_3^2x_5^2y_1y_2+$$

$$x_3^2y_1y_2y_5^2+4x_3x_5y_1y_2y_3y_5+x_5^2y_1y_2y_3^2-y_1y_2y_3^2y_5^2)-$$

$$ib^r_{1,0,1,0,2,0,0,0,2,0}(2x_1x_2x_3^2x_5y_5+2x_1x_2x_3x_5^2y_3-2x_1x_2x_3y_3y_5^2-2x_1x_2x_5y_3^2y_5+$$

$$x_1x_3^2x_5^2y_2-x_1x_3^2y_2y_5^2-4x_1x_3x_5y_2y_3y_5-x_1x_5^2y_2y_3^2+x_1y_2y_3^2y_5^2+$$

$$x_2x_3^2x_5^2y_1-x_2x_3^2y_1y_5^2-4x_2x_3x_5y_1y_3y_5-x_2x_5^2y_1y_3^2+x_2y_1y_3^2y_5^2-$$

$$2x_3^2x_5y_1y_2y_5-2x_3x_5^2y_1y_2y_3+2x_3y_1y_2y_3y_5^2+2x_5y_1y_2y_3^2y_5)+b^r_{1,0,1,1,0,0,0,0,0,1}(x_2^2+$$

$$y_2^2)(x_5^2+y_5^2)(x_1x_2-y_1y_2)-ib^r_{1,0,1,1,0,0,0,0,0,1}(x_2^2+y_2^2)(x_5^2+y_5^2)(x_1y_2+x_2y_1)+$$

$$b^r_{1,0,1,1,0,0,0,1,0,0}(x_2^2+y_2^2)(x_4^2+y_4^2)(x_1x_2-y_1y_2)-ib^r_{1,0,1,1,0,0,0,1,0,0}(x_2^2+y_4^2)(x_1y_2+x_2y_1)+b^r_{1,0,1,1,0,1,0,0,0,0}(x_2^2+y_2^2)(x_3^2+y_3^2)(x_1x_2-y_1y_2)-ib^r_{1,0,1,1,0,1,0,0,0,0}(x_2^2+$$

$$y_2^2)(x_3^2+y_3^2)(x_1y_2+x_2y_1)+b^r_{1,0,1,2,0,0,0,0,0,0}(x_2^2+y_2^2)^2(x_1x_2-y_1y_2)-ib^r_{1,0,1,2,0,0,0,0,0,0}(x_2^2+$$

$$y_2^2)^2(x_1y_2+x_2y_1)+b^r_{1,0,2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5+x_1x_2^2x_3y_4y_5-x_1x_2^2x_4y_3y_5+$$

$$x_1x_2^2x_5y_3y_4+2x_1x_2x_3x_4y_2y_5-2x_1x_2x_3x_5y_2y_4+2x_1x_2x_4x_5y_2y_3+2x_1x_2y_2y_3y_4y_5-$$

$$x_1x_3x_4x_5y_2^2-x_1x_3y_2^2y_4y_5+x_1x_4y_2^2y_3y_5-x_1x_5y_2^2y_3y_4+x_2^2x_3x_4y_1y_5-$$

$$x_2^2x_3x_5y_1y_4+x_2^2x_4x_5y_1y_3+x_2^2y_1y_3y_4y_5-2x_2x_3x_4x_5y_1y_2-2x_2x_3y_1y_2y_4y_5-$$

$$2x_2x_4y_1y_2y_3y_5-2x_2x_5y_1y_2y_3y_4-x_3x_4y_1y_2^2y_5+x_3x_5y_1y_2^2y_4-x_4x_5y_1y_2^2y_3-$$

$$y_1y_2^2y_3y_4y_5)+ib^r_{1,0,2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5-x_1x_2^2x_3x_5y_4+x_1x_2^2x_4x_5y_3+$$

$$x_1x_2^2y_3y_4y_5-2x_1x_2x_3x_4x_5y_2-2x_1x_2x_3y_2y_4y_5+2x_1x_2x_4y_2y_3y_5-2x_1x_2x_5y_2y_3y_4-$$

$$x_1x_3x_4y_2^2y_5+x_1x_3x_5y_2^2y_4-x_1x_4x_5y_2^2y_3-x_1y_2^2y_3y_4y_5-x_2^2x_3x_4x_5y_1-$$

$$x_2^2x_3y_1y_4y_5+x_2^2x_4y_1y_3y_5-x_2^2x_5y_1y_3y_4-2x_2x_3x_4y_1y_2y_5+2x_2x_3x_5y_1y_2y_4-$$

$$2x_2x_4x_5y_1y_2y_3-2x_2y_1y_2y_3y_4y_5+x_3x_4x_5y_1y_2^2+x_3y_1y_2^2y_4y_5-x_4y_1y_2^2y_3y_5+$$

$$x_5y_1y_2^2y_3y_4)+b^r_{1,0,2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5-x_1x_2^2x_3y_4y_5+x_1x_2^2x_4y_3y_5+$$

$$x_1x_2^2x_5y_3y_4+2x_1x_2x_3x_4y_2y_5+2x_1x_2x_3x_5y_2y_4-2x_1x_2x_4x_5y_2y_3+2x_1x_2y_2y_3y_4y_5-$$

$$x_1x_3x_4x_5y_2^2+x_1x_3y_2^2y_4y_5-x_1x_4y_2^2y_3y_5-x_1x_5y_2^2y_3y_4+x_2^2x_3x_4y_1y_5+$$

$$x_2^2x_3x_5y_1y_4-x_2^2x_4x_5y_1y_3+x_2^2y_1y_3y_4y_5-2x_2x_3x_4x_5y_1y_2+2x_2x_3y_1y_2y_4y_5-$$

$$2x_2x_4y_1y_2y_3y_5-2x_2x_5y_1y_2y_3y_4-x_3x_4y_1y_2^2y_5-x_3x_5y_1y_2^2y_4+x_4x_5y_1y_2^2y_3-$$

$$y_1y_2^2y_3y_4y_5)+ib^r_{1,0,2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5+x_1x_2^2x_3x_5y_4-x_1x_2^2x_4x_5y_3+$$

$$x_1x_2^2y_3y_4y_5-2x_1x_2x_3x_4x_5y_2+2x_1x_2x_3y_2y_4y_5-2x_1x_2x_4y_2y_3y_5-2x_1x_2x_5y_2y_3y_4-$$

$$x_1x_3x_4y_2^2y_5-x_1x_3x_5y_2^2y_4+x_1x_4x_5y_2^2y_3-x_1y_2^2y_3y_4y_5-x_2^2x_3x_4x_5y_1+$$

$$x_2^2x_3y_1y_4y_5-x_2^2x_4y_1y_3y_5-x_2^2x_5y_1y_3y_4-2x_2x_3x_4y_1y_2y_5-2x_2x_3x_5y_1y_2y_4+$$

$$2x_2x_4x_5y_1y_2y_3-2x_2y_1y_2y_3y_4y_5+x_3x_4x_5y_1y_2^2-x_3y_1y_2^2y_4y_5+x_4y_1y_2^2y_3y_5+$$

$$x_5y_1y_2^2y_3y_4)+b^r_{1,0,2,0,1,0,1,0,1,0}(x_1x_2^2x_3x_4x_5-x_1x_2^2x_3y_4y_5-x_1x_2^2x_4y_3y_5-$$

$$x_1 x_2^2 x_5 y_3 y_4 - 2x_1 x_2 x_3 x_4 y_2 y_5 - 2x_1 x_2 x_3 x_5 y_2 y_4 - 2x_1 x_2 x_4 x_5 y_2 y_3 + 2x_1 x_2 y_2 y_3 y_4 y_5 -$$
$$x_1 x_3 x_4 x_5 y_2^2 + x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 + x_1 x_5 y_2^2 y_3 y_4 - x_2^2 x_3 x_4 y_1 y_5 -$$
$$x_2^2 x_3 x_5 y_1 y_4 - x_2^2 x_4 x_5 y_1 y_3 + x_2^2 y_1 y_3 y_4 y_5 - 2x_2 x_3 x_4 x_5 y_1 y_2 + 2x_2 x_3 y_1 y_2 y_4 y_5 +$$
$$2x_2 x_4 y_1 y_2 y_3 y_5 + 2x_2 x_5 y_1 y_2 y_3 y_4 + x_3 x_4 y_1 y_2^2 y_5 + x_3 x_5 y_1 y_2^2 y_4 + x_4 x_5 y_1 y_2^2 y_3 -$$
$$y_1 y_2^2 y_3 y_4 y_5) - i b_{1,0,2,0,1,0,1,0,1,0}^r (x_1 x_2^2 x_3 x_4 y_5 + x_1 x_2^2 x_3 x_5 y_4 + x_1 x_2^2 x_4 x_5 y_3 -$$
$$x_1 x_2^2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 x_5 y_2 - 2x_1 x_2 x_3 y_2 y_4 y_5 - 2x_1 x_2 x_4 y_2 y_3 y_5 - 2x_1 x_2 x_5 y_2 y_3 y_4 -$$
$$x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 + x_1 y_2^2 y_3 y_4 y_5 + x_2^2 x_3 x_4 x_5 y_1 -$$
$$x_2^2 x_3 y_1 y_4 y_5 - x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 - 2x_2 x_3 x_4 y_1 y_2 y_5 - 2x_2 x_3 x_5 y_1 y_2 y_4 -$$
$$2x_2 x_4 x_5 y_1 y_2 y_3 + 2x_2 y_1 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 y_2^2 + x_3 y_1 y_2^2 y_4 y_5 + x_4 y_1 y_2^2 y_3 y_5 +$$
$$x_5 y_1 y_2^2 y_3 y_4) + b_{1,0,3,0,0,0,0,0,0,-2,0}^r (x_1 x_2^3 x_5^2 - x_1 x_2^3 y_5^2 + 6x_1 x_2^2 x_5 y_2 y_5 - 3x_1 x_2 x_5^2 y_2^2 +$$
$$3x_1 x_2 y_2^2 y_5^2 - 2x_1 x_5 y_2^3 y_5 + 2x_2^3 x_5 y_1 y_5 - 3x_2^2 x_5^2 y_1 y_2 + 3x_2^2 y_1 y_2 y_5^2 -$$
$$6x_2 x_5 y_1 y_2^2 y_5 + x_5^2 y_1 y_2^3 - y_1 y_2^3 y_5^2) + i b_{1,0,3,0,0,0,0,0,0,-2,0}^r (2x_1 x_2^3 x_5 y_5 - 3x_1 x_2^2 x_5^2 y_2 +$$
$$3x_1 x_2^2 y_2 y_5^2 - 6x_1 x_2 x_5 y_2^2 y_5 + x_1 x_5^2 y_2^3 - x_1 y_2^3 y_5^2 - x_2^3 x_5^2 y_1 + x_2^3 y_1 y_5^2 -$$
$$6x_2^2 x_5 y_1 y_2 y_5 + 3x_2 x_5^2 y_1 y_2^2 - 3x_2 y_1 y_2^2 y_5^2 + 2x_5 y_1 y_2^3 y_5) +$$
$$b_{1,0,3,0,0,0,2,0,0,0,0}^r (x_1 x_2^3 x_4^2 - x_1 x_2^3 y_4^2 - 6x_1 x_2^2 x_4 y_2 y_4 - 3x_1 x_2 x_4^2 y_2^2 + 3x_1 x_2 y_2^2 y_4^2 +$$
$$2x_1 x_4 y_2^3 y_4 - 2x_2^3 x_4 y_1 y_4 - 3x_2^2 x_4^2 y_1 y_2 + 3x_2^2 y_1 y_2 y_4^2 + 6x_2 x_4 y_1 y_2^2 y_4 +$$
$$x_4^2 y_1 y_2^3 - y_1 y_2^3 y_4^2) - i b_{1,0,3,0,0,0,2,0,0,0,0}^r (2x_1 x_2^3 x_4 y_4 + 3x_1 x_2^2 x_4^2 y_2 - 3x_1 x_2^2 y_2 y_4^2 -$$
$$6x_1 x_2 x_4 y_2^2 y_4 - x_1 x_4^2 y_2^3 + x_1 y_2^3 y_4^2 + x_2^3 x_4^2 y_1 - x_2^3 y_1 y_4^2 - 6x_2^2 x_4 y_1 y_2 y_4 -$$
$$3x_2 x_4^2 y_1 y_2^2 + 3x_2 y_1 y_2^2 y_4^2 + 2x_4 y_1 y_2^3 y_4) + b_{1,0,3,0,2,0,0,0,0,0,0}^r (x_1 x_2^3 x_3^2 - x_1 x_2^3 y_3^2 -$$
$$6x_1 x_2^2 x_3 y_2 y_3 - 3x_1 x_2 x_3^2 y_2^2 + 3x_1 x_2 y_2^2 y_3^2 + 2x_1 x_3 y_2^3 y_3 - 2x_2^3 x_3 y_1 y_3 -$$
$$3x_2^2 x_3^2 y_1 y_2 + 3x_2^2 y_1 y_2 y_3^2 + 6x_2 x_3 y_1 y_2^2 y_3 + x_3^2 y_1 y_2^3 - y_1 y_2^3 y_3^2) -$$
$$i b_{1,0,3,0,2,0,0,0,0,0,0}^r (2x_1 x_2^3 x_3 y_3 + 3x_1 x_2^2 x_3^2 y_2 - 3x_1 x_2^2 y_2 y_3^2 - 6x_1 x_2 x_3 y_2^2 y_3 -$$
$$x_1 x_3^2 y_2^3 + x_1 y_2^3 y_3^2 + x_2^3 x_3^2 y_1 - x_2^3 y_1 y_3^2 - 6x_2^2 x_3 y_1 y_2 y_3 - 3x_2 x_3^2 y_1 y_2^2 +$$
$$3x_2 y_1 y_2^2 y_3^2 + 2x_3 y_1 y_2^3 y_3) + b_{1,1,-1,0,-2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 -$$
$$2x_1 x_3 y_2 y_3 + 2x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 - y_1 y_2 y_3^2) + i b_{1,1,-1,0,-2,0,0,0,0,0}^r (x_1^2 + y_1^2)(2x_1 x_2 x_3 y_3 +$$
$$x_1 x_3^2 y_2 - x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) + b_{1,1,-1,0,0,0,0,-2,0,0,0}^r (x_1^2 +$$
$$y_1^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 - 2x_1 x_4 y_2 y_4 + 2x_2 x_4 y_1 y_4 + x_4^2 y_1 y_2 - y_1 y_2 y_4^2) +$$
$$i b_{1,1,-1,0,0,0,0,-2,0,0,0}^r (x_1^2 + y_1^2)(2x_1 x_2 x_4 y_4 + x_1 x_4^2 y_2 - x_1 y_2 y_4^2 - x_2 x_4^2 y_1 + x_2 y_1 y_4^2 +$$
$$2x_4 y_1 y_2 y_4) + b_{1,1,-1,0,0,0,0,0,0,2,0}^r (x_1^2 + y_1^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 + 2x_1 x_5 y_2 y_5 - 2x_2 x_5 y_1 y_5 +$$
$$x_5^2 y_1 y_2 - y_1 y_2 y_5^2) - i b_{1,1,-1,0,0,0,0,0,0,2,0}^r (x_1^2 + y_1^2)(2x_1 x_2 x_5 y_5 - x_1 x_5^2 y_2 + x_1 y_2 y_5^2 +$$
$$x_2 x_5^2 y_1 - x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) + b_{1,1,0,0,-1,0,-1,0,-1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 - x_1 x_3 y_4 y_5 -$$
$$x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 + x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) +$$
$$i b_{1,1,0,0,-1,0,-1,0,-1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 + x_1 x_3 x_5 y_4 + x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 +$$
$$x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b_{1,1,0,0,-1,0,1,0,1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 - x_1 x_3 y_4 y_5 +$$
$$x_1 x_4 y_3 y_5 + x_1 x_5 y_3 y_4 - x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) -$$
$$i b_{1,1,0,0,-1,0,1,0,1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 + x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 + x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 -$$
$$x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b_{1,1,0,0,0,1,0,-1,0,1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 -$$
$$x_1 x_4 y_3 y_5 + x_1 x_5 y_3 y_4 - x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) -$$
$$i b_{1,1,0,0,0,1,0,-1,0,1,0}^r (x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 + x_1 x_4 x_5 y_3 + x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 +$$
$$x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b_{1,1,1,0,0,0,0,0,0,0,1}^r (x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1 x_2 - y_1 y_2) -$$
$$i b_{1,1,1,0,0,0,0,0,0,0,1}^r (x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1 y_2 + x_2 y_1) + b_{1,1,1,0,0,0,0,0,1,0,0}^r (x_1^2 + y_1^2)(x_4^2 +$$
$$y_4^2)(x_1 x_2 - y_1 y_2) - i b_{1,1,1,0,0,0,0,0,1,0,0}^r (x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1 y_2 + x_2 y_1) + b_{1,1,1,0,0,1,0,0,0,0,0}^r (x_1^2 +$$

$$y_1^2)(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) - ib_{1,1,1,0,0,1,0,0,0,0}^r(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_1y_2 + x_2y_1)+$$

$$b_{1,1,1,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1x_2 - y_1y_2) - ib_{1,1,1,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2+$$

$$y_2^2)(x_1y_2 + x_2y_1) + b_{1,2,1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_1x_2 - y_1y_2) - ib_{1,2,1,0,0,0,0,0,0,0}^r(x_1^2+$$

$$y_1^2)^2(x_1y_2 + x_2y_1) + b_{2,0,-1,0,-1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5-$$

$$x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5+$$

$$2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4+$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + ib_{2,0,-1,0,-1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4+$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5-$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5+$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,-1,0,-1,0,1,0,1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5+$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4+$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - ib_{2,0,-1,0,-1,0,1,0,1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4-$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5-$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5+$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,-1,0,1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5-$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2-$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4-$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - ib_{2,0,-1,0,1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4+$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5-$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5+$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5-$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + 2ib_{2,0,-2,0,-2,0,0,0,0,0}^r(x_1x_2x_3 - x_1y_2y_3 + x_2y_1y_3+$$

$$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 - x_2x_3y_1 + y_1y_2y_3) + b_{2,0,-2,0,-2,0,0,0,0,0}^r(x_1x_2x_3 - x_1x_2y_3 - x_1x_3y_2-$$

$$x_1y_2y_3 + x_2x_3y_1 + x_2y_1y_3 + x_3y_1y_2 - y_1y_2y_3)(x_1x_2x_3 + x_1x_2y_3 + x_1x_3y_2 - x_1y_2y_3-$$

$$x_2x_3y_1 + x_2y_1y_3 + x_3y_1y_2 + y_1y_2y_3) + 2ib_{2,0,-2,0,0,0,-2,0,0,0}^r(x_1x_2x_4 - x_1y_2y_4 + x_2y_1y_4+$$

$$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 - x_2x_4y_1 + y_1y_2y_4) + b_{2,0,-2,0,0,0,-2,0,0,0}^r(x_1x_2x_4 - x_1x_2y_4 - x_1x_4y_2-$$

$$x_1y_2y_4 + x_2x_4y_1 + x_2y_1y_4 + x_4y_1y_2 - y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 + x_1x_4y_2 - x_1y_2y_4-$$

$$x_2x_4y_1 + x_2y_1y_4 + x_4y_1y_2 + y_1y_2y_4) - 2ib_{2,0,-2,0,0,0,0,0,2,0}^r(x_1x_2x_5 + x_1y_2y_5 - x_2y_1y_5+$$

$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 + x_2x_5y_1 + y_1y_2y_5) + b_{2,0,-2,0,0,0,0,0,2,0}^r(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2+$$

$$x_1y_2y_5 - x_2x_5y_1 - x_2y_1y_5 + x_5y_1y_2 - y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5+$$

$$x_2x_5y_1 - x_2y_1y_5 + x_5y_1y_2 + y_1y_2y_5) + 2ib_{2,0,0,0,-2,0,0,0,-2,0}^r(x_1x_3x_5 - x_1y_3y_5 + x_3y_1y_5+$$

$$x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 - x_3x_5y_1 + y_1y_3y_5) + b^r_{2,0,0,0,-2,0,0,0,-2,0}(x_1x_3x_5 - x_1x_3y_5 - x_1x_5y_3 -$$

$$x_1y_3y_5 + x_3x_5y_1 + x_3y_1y_5 + x_5y_1y_3 - y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 + x_1x_5y_3 - x_1y_3y_5 -$$

$$x_3x_5y_1 + x_3y_1y_5 + x_5y_1y_3 + y_1y_3y_5) - 2ib^r_{2,0,0,0,-2,0,2,0,0,0}(x_1x_3x_4 + x_1y_3y_4 - x_3y_1y_4 +$$

$$x_4y_1y_3)(x_1x_3y_4 - x_1x_4y_3 + x_3x_4y_1 + y_1y_3y_4) + b^r_{2,0,0,0,-2,0,2,0,0,0}(x_1x_3x_4 - x_1x_3y_4 + x_1x_4y_3 +$$

$$x_1y_3y_4 - x_3x_4y_1 - x_3y_1y_4 + x_4y_1y_3 - y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 - x_1x_4y_3 + x_1y_3y_4 +$$

$$x_3x_4y_1 - x_3y_1y_4 + x_4y_1y_3 + y_1y_3y_4) + 2ib^r_{2,0,0,0,0,0,-2,0,-2,0}(x_1x_4x_5 - x_1y_4y_5 + x_4y_1y_5 +$$

$$x_5y_1y_4)(x_1x_4y_5 + x_1x_5y_4 - x_4x_5y_1 + y_1y_4y_5) + b^r_{2,0,0,0,0,0,-2,0,-2,0}(x_1x_4x_5 - x_1x_4y_5 - x_1x_5y_4 -$$

$$x_1y_4y_5 + x_4x_5y_1 + x_4y_1y_5 + x_5y_1y_4 - y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 + x_1x_5y_4 - x_1y_4y_5 -$$

$$x_4x_5y_1 + x_4y_1y_5 + x_5y_1y_4 + y_1y_4y_5) - 2ib^r_{2,0,0,0,0,0,0,0,0,2}x_1y_1(x_5^2 + y_5^2)^2 + b^r_{2,0,0,0,0,0,0,0,0,2}(x_1 -$$

$$y_1)(x_1 + y_1)(x_5^2 + y_5^2)^2 - 2ib^r_{2,0,0,0,0,0,0,1,0,1}x_1y_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) + b^r_{2,0,0,0,0,0,0,1,0,1}(x_1 -$$

$$y_1)(x_1 + y_1)(x_4^2 + y_4^2)(x_5^2 + y_5^2) - 2ib^r_{2,0,0,0,0,0,0,2,0,0}x_1y_1(x_4^2 + y_4^2)^2 + b^r_{2,0,0,0,0,0,0,2,0,0}(x_1 -$$

$$y_1)(x_1 + y_1)(x_4^2 + y_4^2)^2 - 2ib^r_{2,0,0,0,0,0,2,0,2,0}(x_1x_4x_5 - x_1y_4y_5 - x_4y_1y_5 - x_5y_1y_4)(x_1x_4y_5 +$$

$$x_1x_5y_4 + x_4x_5y_1 - y_1y_4y_5) + b^r_{2,0,0,0,0,0,2,0,2,0}(x_1x_4x_5 - x_1x_4y_5 - x_1x_5y_4 - x_1y_4y_5 - x_4x_5y_1 -$$

$$x_4y_1y_5 - x_5y_1y_4 + y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 + x_1x_5y_4 - x_1y_4y_5 + x_4x_5y_1 - x_4y_1y_5 -$$

$$x_5y_1y_4 - y_1y_4y_5) - 2ib^r_{2,0,0,0,0,1,0,0,0,1}x_1y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{2,0,0,0,0,1,0,0,0,1}(x_1 - y_1)(x_1 +$$

$$y_1)(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2ib^r_{2,0,0,0,0,1,0,1,0,0}x_1y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b^r_{2,0,0,0,0,1,0,1,0,0}(x_1 -$$

$$y_1)(x_1 + y_1)(x_3^2 + y_3^2)(x_4^2 + y_4^2) - 2ib^r_{2,0,0,0,0,2,0,0,0,0}x_1y_1(x_3^2 + y_3^2)^2 + b^r_{2,0,0,0,0,2,0,0,0,0}(x_1 -$$

$$y_1)(x_1 + y_1)(x_3^2 + y_3^2)^2 + 2ib^r_{2,0,0,0,2,0,-2,0,0,0}(x_1x_3x_4 + x_1y_3y_4 + x_3y_1y_4 - x_4y_1y_3)(x_1x_3y_4 -$$

$$x_1x_4y_3 - x_3x_4y_1 - y_1y_3y_4) + b^r_{2,0,0,0,2,0,-2,0,0,0}(x_1x_3x_4 - x_1x_3y_4 + x_1x_4y_3 + x_1y_3y_4 + x_3x_4y_1 +$$

$$x_3y_1y_4 - x_4y_1y_3 + y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 - x_1x_4y_3 + x_1y_3y_4 - x_3x_4y_1 + x_3y_1y_4 -$$

$$x_4y_1y_3 - y_1y_3y_4) - 2ib^r_{2,0,0,0,2,0,0,0,0,2,0}(x_1x_3x_5 - x_1y_3y_5 - x_3y_1y_5 - x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 +$$

$$x_3x_5y_1 - y_1y_3y_5) + b^r_{2,0,0,0,2,0,0,0,0,2,0}(x_1x_3x_5 - x_1x_3y_5 - x_1x_5y_3 - x_1y_3y_5 - x_3x_5y_1 - x_3y_1y_5 -$$

$$x_5y_1y_3 + y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 + x_1x_5y_3 - x_1y_3y_5 + x_3x_5y_1 - x_3y_1y_5 - x_5y_1y_3 -$$

$$y_1y_3y_5) - 2ib^r_{2,0,0,1,0,0,0,0,0,1}x_1y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b^r_{2,0,0,1,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_2^2 +$$

$$y_2^2)(x_5^2 + y_5^2) - 2ib^r_{2,0,0,1,0,0,0,1,0,0}x_1y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b^r_{2,0,0,1,0,0,0,1,0,0}(x_1 - y_1)(x_1 +$$

$$y_1)(x_2^2 + y_2^2)(x_4^2 + y_4^2) - 2ib^r_{2,0,0,1,0,1,0,0,0,0}x_1y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b^r_{2,0,0,1,0,1,0,0,0,0}(x_1 -$$

$$y_1)(x_1 + y_1)(x_2^2 + y_2^2)(x_3^2 + y_3^2) - 2ib^r_{2,0,0,2,0,0,0,0,0,0}x_1y_1(x_2^2 + y_2^2)^2 + b^r_{2,0,0,2,0,0,0,0,0,0}(x_1 -$$

$$y_1)(x_1 + y_1)(x_2^2 + y_2^2)^2 + b^r_{2,0,1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5 +$$

$$x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5 +$$

$$2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 -$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + ib^r_{2,0,1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b^r_{2,0,1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 +$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 +$$

$$x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 +$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + ib^r_{2,0,1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$

$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5-$

$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4-$

$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$

$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5+$

$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{2,0,1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5-$

$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3+$

$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5-$

$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$

$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4+$

$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - ib_{2,0,1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4+$

$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5-$

$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4-$

$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$

$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5+$

$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + 2ib_{2,0,2,0,0,0,0,0,-2,0}^r(x_1x_2x_5 + x_1y_2y_5 + x_2y_1y_5-$

$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 - x_2x_5y_1 - y_1y_2y_5) + b_{2,0,2,0,0,0,0,0,-2,0}^r(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2+$

$x_1y_2y_5 + x_2x_5y_1 + x_2y_1y_5 - x_5y_1y_2 + y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5-$

$x_2x_5y_1 + x_2y_1y_5 - x_5y_1y_2 - y_1y_2y_5) - 2ib_{2,0,2,0,0,0,2,0,0,0}^r(x_1x_2x_4 - x_1y_2y_4 - x_2y_1y_4-$

$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 + x_2x_4y_1 - y_1y_2y_4) + b_{2,0,2,0,0,0,2,0,0,0}^r(x_1x_2x_4 - x_1x_2y_4 - x_1x_4y_2-$

$x_1y_2y_4 - x_2x_4y_1 - x_2y_1y_4 - x_4y_1y_2 + y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 + x_1x_4y_2 - x_1y_2y_4+$

$x_2x_4y_1 - x_2y_1y_4 - x_4y_1y_2 - y_1y_2y_4) - 2ib_{2,0,2,0,2,0,0,0,0,0}^r(x_1x_2x_3 - x_1y_2y_3 - x_2y_1y_3-$

$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 + x_2x_3y_1 - y_1y_2y_3) + b_{2,0,2,0,2,0,0,0,0,0}^r(x_1x_2x_3 - x_1x_2y_3 - x_1x_3y_2-$

$x_1y_2y_3 - x_2x_3y_1 - x_2y_1y_3 - x_3y_1y_2 + y_1y_2y_3)(x_1x_2x_3 + x_1x_2y_3 + x_1x_3y_2 - x_1y_2y_3+$

$x_2x_3y_1 - x_2y_1y_3 - x_3y_1y_2 - y_1y_2y_3) - 2ib_{2,1,0,0,0,0,0,0,0,1}^rx_1y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2)+$

$b_{2,1,0,0,0,0,0,0,0,1}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_5^2 + y_5^2) - 2ib_{2,1,0,0,0,0,0,1,0,0}^rx_1y_1(x_4^2+$

$y_4^2) + b_{2,1,0,0,0,0,0,1,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_4^2 + y_4^2) - 2ib_{2,1,0,0,0,1,0,0,0,0}^rx_1y_1(x_1^2+$

$y_1^2)(x_3^2 + y_3^2) + b_{2,1,0,0,0,1,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_3^2 + y_3^2)-$

$2ib_{2,1,0,1,0,0,0,0,0,0}^rx_1y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{2,1,0,1,0,0,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_2^2+$

$y_2^2) - 2ib_{2,2,0,0,0,0,0,0,0,0}^rx_1y_1(x_1^2 + y_1^2)^2 + b_{2,2,0,0,0,0,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)^2+$

$b_{3,0,-1,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) + ib_{3,0,-1,0,0,0,0,0,0,1}^r(x_5^2+$

$y_5^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + b_{3,0,-1,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1^3x_2 + 3x_1^2y_1y_2-$

$3x_1x_2y_1^2 - y_1^3y_2) + ib_{3,0,-1,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3)+$

$b_{3,0,-1,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) + ib_{3,0,-1,0,0,1,0,0,0,0}^r(x_3^2+$

$y_3^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + b_{3,0,-1,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1^3x_2 + 3x_1^2y_1y_2-$

$3x_1x_2y_1^2 - y_1^3y_2) + ib_{3,0,-1,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3)+$

$b_{3,0,0,0,-1,0,1,0,-1,0}^r(x_1^3x_3x_4x_5 + x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 + x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5-$

$3x_1^2x_3x_5y_1y_4 + 3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 - 3x_1x_3y_1^2y_4y_5+$

$3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 - x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5)+$

$ib_{3,0,0,0,-1,0,1,0,-1,0}^r(x_1^3x_3x_4y_5 - x_1^3x_3x_5y_4 + x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5 - 3x_1^2x_3x_4x_5y_1-$

$3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 - 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 + 3x_1x_3x_5y_1^2y_4-$

$3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 + x_3x_4x_5y_1^3 + x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 + x_5y_1^3y_3y_4)+$

$b_{3,0,0,0,1,0,-1,0,-1,0}^r(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5 + x_1^3x_4y_3y_5 + x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5+$

$3x_1^2x_3x_5y_1y_4 - 3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5-$

$$3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5 - x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) +$$

$$ib^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 - x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5 - 3x_1^2x_3x_4x_5y_1 +$$

$$3x_1^2x_3y_1y_4y_5 - 3x_1^2x_4y_1y_3y_5 - 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 +$$

$$3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 + x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5 + x_4y_1^3y_3y_5 + x_5y_1^3y_3y_4) +$$

$$b^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 - x_1^3x_5y_3y_4 - 3x_1^2x_3x_4y_1y_5 -$$

$$3x_1^2x_3x_5y_1y_4 - 3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 +$$

$$3x_1x_4y_1^2y_3y_5 + 3x_1x_5y_1^2y_3y_4 + x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) -$$

$$ib^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 + x_1^3x_4x_5y_3 - x_1^3y_3y_4y_5 + 3x_1^2x_3x_4x_5y_1 -$$

$$3x_1^2x_3y_1y_4y_5 - 3x_1^2x_4y_1y_3y_5 - 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 -$$

$$3x_1x_4x_5y_1^2y_3 + 3x_1y_1^2y_3y_4y_5 - x_3x_4x_5y_1^3 + x_3y_1^3y_4y_5 + x_4y_1^3y_3y_5 + x_5y_1^3y_3y_4) +$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}(x_1^3x_2x_5^2 - x_1^3x_2y_5^2 + 2x_1^3x_5y_2y_5 + 6x_1^2x_2x_5y_1y_5 - 3x_1^2x_5^2y_1y_2 +$$

$$3x_1^2y_1y_2y_5^2 - 3x_1x_2x_5^2y_1^2 + 3x_1x_2y_1^2y_5^2 - 6x_1x_5y_1^2y_2y_5 - 2x_2x_5y_1^3y_5 +$$

$$x_5^2y_1^3y_2 - y_1^3y_2y_5^2) + ib^r_{3,0,1,0,0,0,0,0,-2,0}(2x_1^3x_2x_5y_5 - x_1^3x_5^2y_2 + x_1^3y_2y_5^2 -$$

$$3x_1^2x_2x_5^2y_1 + 3x_1^2x_2y_1y_5^2 - 6x_1^2x_5y_1y_2y_5 - 6x_1x_2x_5y_1^2y_5 + 3x_1x_5^2y_1^2y_2 -$$

$$3x_1y_1^2y_2y_5^2 + x_2x_5^2y_1^3 - x_2y_1^3y_5^2 + 2x_5y_1^3y_2y_5) + b^r_{3,0,1,0,0,0,2,0,0,0}(x_1^3x_2x_4^2 -$$

$$x_1^3x_2y_4^2 - 2x_1^3x_4y_2y_4 - 6x_1^2x_2x_4y_1y_4 - 3x_1^2x_4^2y_1y_2 + 3x_1^2y_1y_2y_4^2 -$$

$$3x_1x_2x_4^2y_1^2 + 3x_1x_2y_1^2y_4^2 + 6x_1x_4y_1^2y_2y_4 + 2x_2x_4y_1^3y_4 + x_4^2y_1^3y_2 - y_1^3y_2y_4^2) -$$

$$ib^r_{3,0,1,0,0,0,2,0,0,0}(2x_1^3x_2x_4y_4 + x_1^3x_4^2y_2 - x_1^3y_2y_4^2 + 3x_1^2x_2x_4^2y_1 - 3x_1^2x_2y_1y_4^2 -$$

$$6x_1^2x_4y_1y_2y_4 - 6x_1x_2x_4y_1^2y_4 - 3x_1x_4^2y_1^2y_2 + 3x_1y_1^2y_2y_4^2 - x_2x_4^2y_1^3 +$$

$$x_2y_1^3y_4^2 + 2x_4y_1^3y_2y_4) + b^r_{3,0,1,0,2,0,0,0,0,0}(x_1^3x_2x_3^2 - x_1^3x_2y_3^2 - 2x_1^3x_3y_2y_3 -$$

$$6x_1^2x_2x_3y_1y_3 - 3x_1^2x_3^2y_1y_2 + 3x_1^2y_1y_2y_3^2 - 3x_1x_2x_3^2y_1^2 + 3x_1x_2y_1^2y_3^2 +$$

$$6x_1x_3y_1^2y_2y_3 + 2x_2x_3y_1^3y_3 + x_3^2y_1^3y_2 - y_1^3y_2y_3^2) - ib^r_{3,0,1,0,2,0,0,0,0,0}(2x_1^3x_2x_3y_3 +$$

$$x_1^3x_3^2y_2 - x_1^3y_2y_3^2 + 3x_1^2x_2x_3^2y_1 - 3x_1^2x_2y_1y_3^2 - 6x_1^2x_3y_1y_2y_3 -$$

$$6x_1x_2x_3y_1^2y_3 - 3x_1x_3^2y_1^2y_2 + 3x_1y_1^2y_2y_3^2 - x_2x_3^2y_1^3 + x_2y_1^3y_3^2 + 2x_3y_1^3y_2y_3) +$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) + ib^r_{3,1,-1,0,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + 2ib^r_{4,0,-2,0,0,0,0,0,0,0}(x_1^2x_2 + 2x_1y_1y_2 -$$

$$x_2y_1^2)(x_1^2y_2 - 2x_1x_2y_1 - y_1^2y_2) + b^r_{4,0,-2,0,0,0,0,0,0,0}(x_1^2x_2 - x_1^2y_2 + 2x_1x_2y_1 + 2x_1y_1y_2 -$$

$$x_2y_1^2 + y_1^2y_2)(x_1^2x_2 + x_1^2y_2 - 2x_1x_2y_1 + 2x_1y_1y_2 - x_2y_1^2 - y_1^2y_2) +$$

$$2ib^r_{4,0,0,0,0,0,0,0,-2,0}(x_1^2x_5 + 2x_1y_1y_5 - x_5y_1^2)(x_1^2y_5 - 2x_1x_5y_1 - y_1^2y_5) + b^r_{4,0,0,0,0,0,0,0,-2,0}(x_1^2x_5 -$$

$$x_1^2y_5 + 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 + y_1^2y_5)(x_1^2x_5 + x_1^2y_5 - 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 -$$

$$y_1^2y_5) - 2ib^r_{4,0,0,0,0,0,2,0,0,0}(x_1^2x_4 - 2x_1y_1y_4 - x_4y_1^2)(x_1^2y_4 + 2x_1x_4y_1 - y_1^2y_4) +$$

$$b^r_{4,0,0,0,0,0,2,0,0,0}(x_1^2x_4 - x_1^2y_4 - 2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 + y_1^2y_4)(x_1^2x_4 + x_1^2y_4 +$$

$$2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 - y_1^2y_4) - 2ib^r_{4,0,0,0,0,2,0,0,0,0}(x_1^2x_3 - 2x_1y_1y_3 - x_3y_1^2)(x_1^2y_3 +$$

$$2x_1x_3y_1 - y_1^2y_3) + b^r_{4,0,0,0,0,2,0,0,0,0}(x_1^2x_3 - x_1^2y_3 - 2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2 +$$

$$y_1^2y_3)(x_1^2x_3 + x_1^2y_3 + 2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2 - y_1^2y_3)$$

4 Vibronic Hamiltonian operator in the real E basis

$$\hat{H} = (|X\rangle \quad |Y\rangle) \begin{pmatrix} H_{XX} & H_{XY} \\ H_{YX} & H_{YY} \end{pmatrix} \begin{pmatrix} \langle X| \\ \langle Y| \end{pmatrix}$$

5 Matrix element expansions in the real E basis

5.1 Order: 0

Number of fitting parameters: H_{XX}: 1 (all from H_{++}), H_{XY}: 0, H_{YY}: 0.

Polar e-coordinates:

$$H_{XX}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r$$

$$H_{XY}^{(0)} = 0$$

$$H_{YX}^{(0)} = 0$$

$$H_{YY}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r$$

Cartesian e-coordinates:

$$H_{XX}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r$$

$$H_{XY}^{(0)} = 0$$

$$H_{YX}^{(0)} = 0$$

$$H_{YY}^{(0)} = a_{0,0,0,0,0,0,0,0,0,0,0}^r$$

5.2 Order: 1

Number of fitting parameters: H_{XX}: 2 (all from H_{+-}), H_{XY}: 2 (all from H_{+-}), H_{YY}: 2 (all from H_{+-}).

Polar e-coordinates:

$$H_{XX}^{(1)} = b_{-1,0,0,0,0,0,0,0,0,0,0}^r \rho_1 \cos(\phi_1) + b_{0,0,-1,0,0,0,0,0,0,0,0}^r \rho_2 \cos(\phi_2)$$

$$H_{XY}^{(1)} = b_{-1,0,0,0,0,0,0,0,0,0,0}^r \rho_1 \sin(\phi_1) + b_{0,0,-1,0,0,0,0,0,0,0,0}^r \rho_2 \sin(\phi_2)$$

$$H_{YX}^{(1)} = b_{-1,0,0,0,0,0,0,0,0,0,0}^r \rho_1 \sin(\phi_1) + b_{0,0,-1,0,0,0,0,0,0,0,0}^r \rho_2 \sin(\phi_2)$$

$$H_{YY}^{(1)} = -b_{-1,0,0,0,0,0,0,0,0,0,0}^r \rho_1 \cos(\phi_1) - b_{0,0,-1,0,0,0,0,0,0,0,0}^r \rho_2 \cos(\phi_2)$$

Cartesian e-coordinates:

$$H_{XX}^{(1)} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0} x_1 + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0} x_2$$

$$H_{XY}^{(1)} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0} y_1 + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0} y_2$$

$$H_{YX}^{(1)} = b^r_{-1,0,0,0,0,0,0,0,0,0,0,0} y_1 + b^r_{0,0,-1,0,0,0,0,0,0,0,0,0} y_2$$

$$H_{YY}^{(1)} = - b^r_{-1,0,0,0,0,0,0,0,0,0,0,0} x_1 - b^r_{0,0,-1,0,0,0,0,0,0,0,0,0} x_2$$

5.3   Order: 2

Number of fitting parameters: H_{XX}: 12 (6 from H_{++}, 6 from H_{+-}), H_{XY}: 6 (all from H_{+-}), H_{YY}: 6 (all from H_{+-}).

Polar e-coordinates:

$$
\begin{aligned}
H_{XX}^{(2)} =\,& a^r_{0,0,0,0,0,0,0,0,0,0,0,1}\rho_5^2 + a^r_{0,0,0,0,0,0,0,0,1,0,0,0}\rho_4^2 + a^r_{0,0,0,0,0,1,0,0,0,0,0,0}\rho_3^2 + a^r_{0,0,0,1,0,0,0,0,0,0,0,0}\rho_2^2 + \\
& a^r_{0,1,0,0,0,0,0,0,0,0,0,0}\rho_1^2 + a^r_{1,0,-1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2\cos(\phi_1-\phi_2) + b^r_{0,0,0,0,0,-2,0,0,0,0,0,0}\rho_3^2\cos(2\phi_3) + \\
& b^r_{0,0,0,0,0,0,-2,0,0,0,0}\rho_4^2\cos(2\phi_4) + b^r_{0,0,0,0,0,0,0,0,0,2,0}\rho_5^2\cos(2\phi_5) + b^r_{0,0,2,0,0,0,0,0,0,0,0,0}\rho_2^2\cos(2\phi_2) + \\
& b^r_{1,0,1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2\cos(\phi_1+\phi_2) + b^r_{2,0,0,0,0,0,0,0,0,0,0,0}\rho_1^2\cos(2\phi_1)
\end{aligned}
$$

$$
\begin{aligned}
H_{XY}^{(2)} =\,& b^r_{0,0,0,0,-2,0,0,0,0,0}\rho_3^2\sin(2\phi_3) + b^r_{0,0,0,0,0,0,-2,0,0,0}\rho_4^2\sin(2\phi_4) - b^r_{0,0,0,0,0,0,0,0,2,0}\rho_5^2\sin(2\phi_5) - \\
& b^r_{0,0,2,0,0,0,0,0,0,0,0,0}\rho_2^2\sin(2\phi_2) - b^r_{1,0,1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2\sin(\phi_1+\phi_2) - b^r_{2,0,0,0,0,0,0,0,0,0,0,0}\rho_1^2\sin(2\phi_1)
\end{aligned}
$$

$$
\begin{aligned}
H_{YX}^{(2)} =\,& b^r_{0,0,0,0,-2,0,0,0,0,0}\rho_3^2\sin(2\phi_3) + b^r_{0,0,0,0,0,0,-2,0,0,0}\rho_4^2\sin(2\phi_4) - b^r_{0,0,0,0,0,0,0,0,2,0}\rho_5^2\sin(2\phi_5) - \\
& b^r_{0,0,2,0,0,0,0,0,0,0,0,0}\rho_2^2\sin(2\phi_2) - b^r_{1,0,1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2\sin(\phi_1+\phi_2) - b^r_{2,0,0,0,0,0,0,0,0,0,0,0}\rho_1^2\sin(2\phi_1)
\end{aligned}
$$

$$
\begin{aligned}
H_{YY}^{(2)} =\,& a^r_{0,0,0,0,0,0,0,0,0,0,0,1}\rho_5^2 + a^r_{0,0,0,0,0,0,0,0,1,0,0,0}\rho_4^2 + a^r_{0,0,0,0,0,1,0,0,0,0,0,0}\rho_3^2 + a^r_{0,0,0,1,0,0,0,0,0,0,0,0}\rho_2^2 + \\
& a^r_{0,1,0,0,0,0,0,0,0,0,0,0}\rho_1^2 + a^r_{1,0,-1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2\cos(\phi_1-\phi_2) - b^r_{0,0,0,0,0,-2,0,0,0,0,0,0}\rho_3^2\cos(2\phi_3) - \\
& b^r_{0,0,0,0,0,0,-2,0,0,0,0}\rho_4^2\cos(2\phi_4) - b^r_{0,0,0,0,0,0,0,0,0,2,0}\rho_5^2\cos(2\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,0,0,0}\rho_2^2\cos(2\phi_2) - \\
& b^r_{1,0,1,0,0,0,0,0,0,0,0,0}\rho_1\rho_2\cos(\phi_1+\phi_2) - b^r_{2,0,0,0,0,0,0,0,0,0,0,0}\rho_1^2\cos(2\phi_1)
\end{aligned}
$$

Cartesian e-coordinates:

$$
\begin{aligned}
H_{XX}^{(2)} =\,& a^r_{0,0,0,0,0,0,0,0,0,0,0,1}(x_5^2+y_5^2) + a^r_{0,0,0,0,0,0,0,0,1,0,0}(x_4^2+y_4^2) + a^r_{0,0,0,0,0,1,0,0,0,0,0}(x_3^2+y_3^2) + \\
& a^r_{0,0,0,1,0,0,0,0,0,0,0}(x_2^2+y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,0,0,0}(x_1^2+y_1^2) + a^r_{1,0,-1,0,0,0,0,0,0,0,0,0}(x_1x_2+y_1y_2) + \\
& b^r_{0,0,0,0,-2,0,0,0,0,0}(x_3-y_3)(x_3+y_3) + b^r_{0,0,0,0,0,0,-2,0,0,0}(x_4-y_4)(x_4+y_4) + b^r_{0,0,0,0,0,0,0,0,2,0}(x_5-y_5)(x_5+y_5) + \\
& b^r_{0,0,2,0,0,0,0,0,0,0,0,0}(x_2-y_2)(x_2+y_2) + b^r_{1,0,1,0,0,0,0,0,0,0,0,0}(x_1x_2-y_1y_2) + b^r_{2,0,0,0,0,0,0,0,0,0,0,0}(x_1-y_1)(x_1+y_1)
\end{aligned}
$$

$$
\begin{aligned}
H_{XY}^{(2)} =\,& 2b^r_{0,0,0,0,-2,0,0,0,0,0}x_3y_3 + 2b^r_{0,0,0,0,0,0,-2,0,0,0}x_4y_4 - 2b^r_{0,0,0,0,0,0,0,0,2,0}x_5y_5 - 2b^r_{0,0,2,0,0,0,0,0,0,0,0,0}x_2y_2 - \\
& b^r_{1,0,1,0,0,0,0,0,0,0,0,0}(x_1y_2+x_2y_1) - 2b^r_{2,0,0,0,0,0,0,0,0,0,0,0}x_1y_1
\end{aligned}
$$

$$H_{YX}^{(2)} = 2b_{0,0,0,0,-2,0,0,0,0,0}^r x_3 y_3 + 2b_{0,0,0,0,0,0,-2,0,0,0}^r x_4 y_4 - 2b_{0,0,0,0,0,0,0,0,2,0}^r x_5 y_5 - 2b_{0,0,2,0,0,0,0,0,0,0}^r x_2 y_2 -$$
$$b_{1,0,1,0,0,0,0,0,0,0}^r (x_1 y_2 + x_2 y_1) - 2b_{2,0,0,0,0,0,0,0,0,0}^r x_1 y_1$$

$$H_{YY}^{(2)} = a_{0,0,0,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2) + a_{0,0,0,0,0,0,0,1,0,0}^r (x_4^2 + y_4^2) + a_{0,0,0,0,0,1,0,0,0,0}^r (x_3^2 + y_3^2) +$$
$$a_{0,0,0,1,0,0,0,0,0,0}^r (x_2^2 + y_2^2) + a_{0,1,0,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2) + a_{1,0,-1,0,0,0,0,0,0,0}^r (x_1 x_2 + y_1 y_2) -$$
$$b_{0,0,0,0,-2,0,0,0,0,0}^r (x_3 - y_3)(x_3 + y_3) - b_{0,0,0,0,0,0,-2,0,0,0}^r (x_4 - y_4)(x_4 + y_4) - b_{0,0,0,0,0,0,0,0,2,0}^r (x_5 - y_5)(x_5 + y_5) -$$
$$b_{0,0,2,0,0,0,0,0,0,0}^r (x_2 - y_2)(x_2 + y_2) - b_{1,0,1,0,0,0,0,0,0,0}^r (x_1 x_2 - y_1 y_2) - b_{2,0,0,0,0,0,0,0,0,0}^r (x_1 - y_1)(x_1 + y_1)$$

5.4 Order: 3

Number of fitting parameters: H_{XX}: 32 (11 from H_{++}, 21 from H_{+-}), H_{XY}: 21 (all from H_{+-}), H_{YY}: 21 (all from H_{+-}).

Polar e-coordinates:

$$H_{XX}^{(3)} = a_{0,0,0,0,1,0,1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a_{0,0,1,0,-2,0,0,0,0,0}^r \rho_2 \rho_3^2 \cos(\phi_2 - 2\phi_3) +$$
$$a_{0,0,1,0,0,0,-2,0,0,0}^r \rho_2 \rho_4^2 \cos(\phi_2 - 2\phi_4) + a_{0,0,1,0,0,0,0,0,2,0}^r \rho_2 \rho_5^2 \cos(\phi_2 + 2\phi_5) +$$
$$a_{0,0,3,0,0,0,0,0,0,0}^r \rho_2^3 \cos(3\phi_2) + a_{1,0,0,0,-2,0,0,0,0,0}^r \rho_1 \rho_3^2 \cos(\phi_1 - 2\phi_3) +$$
$$a_{1,0,0,0,0,0,-2,0,0,0}^r \rho_1 \rho_4^2 \cos(\phi_1 - 2\phi_4) + a_{1,0,0,0,0,0,0,0,2,0}^r \rho_1 \rho_5^2 \cos(\phi_1 + 2\phi_5) +$$
$$a_{1,0,2,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \cos(\phi_1 + 2\phi_2) + a_{2,0,1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \cos(2\phi_1 + \phi_2) +$$
$$a_{3,0,0,0,0,0,0,0,0,0}^r \rho_1^3 \cos(3\phi_1) + b_{-1,0,0,0,0,0,0,0,0,1}^r \rho_1 \rho_5^2 \cos(\phi_1) + b_{-1,0,0,0,0,0,0,1,0,0}^r \rho_1 \rho_4^2 \cos(\phi_1) +$$
$$b_{-1,0,0,0,0,1,0,0,0,0}^r \rho_1 \rho_3^2 \cos(\phi_1) + b_{-1,0,0,1,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \cos(\phi_1) + b_{-1,1,0,0,0,0,0,0,0,0}^r \rho_1^3 \cos(\phi_1) +$$
$$b_{-2,0,1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \cos(2\phi_1 - \phi_2) + b_{0,0,-1,0,0,0,0,0,0,1}^r \rho_2 \rho_5^2 \cos(\phi_2) +$$
$$b_{0,0,-1,0,0,0,0,1,0,0}^r \rho_2 \rho_4^2 \cos(\phi_2) + b_{0,0,-1,0,0,1,0,0,0,0}^r \rho_2 \rho_3^2 \cos(\phi_2) + b_{0,0,-1,1,0,0,0,0,0,0}^r \rho_2^3 \cos(\phi_2) +$$
$$b_{0,0,0,0,-1,0,1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \cos(\phi_3 - \phi_4 + \phi_5) + b_{0,0,0,0,1,0,-1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \cos(-\phi_3 + \phi_4 + \phi_5) +$$
$$b_{0,0,0,0,1,0,1,0,1,0}^r \rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 + \phi_5) + b_{0,0,1,0,0,0,0,0,-2,0}^r \rho_2 \rho_5^2 \cos(\phi_2 - 2\phi_5) +$$
$$b_{0,0,1,0,0,0,2,0,0,0}^r \rho_2 \rho_4^2 \cos(\phi_2 + 2\phi_4) + b_{0,0,1,0,2,0,0,0,0,0}^r \rho_2 \rho_3^2 \cos(\phi_2 + 2\phi_3) +$$
$$b_{0,1,-1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \cos(\phi_2) + b_{1,0,-2,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \cos(\phi_1 - 2\phi_2) +$$
$$b_{1,0,0,0,0,0,0,0,-2,0}^r \rho_1 \rho_5^2 \cos(\phi_1 - 2\phi_5) + b_{1,0,0,0,0,0,2,0,0,0}^r \rho_1 \rho_4^2 \cos(\phi_1 + 2\phi_4) +$$
$$b_{1,0,0,0,2,0,0,0,0,0}^r \rho_1 \rho_3^2 \cos(\phi_1 + 2\phi_3)$$

$$H_{XY}^{(3)} = b_{-1,0,0,0,0,0,0,0,0,1}^r \rho_1 \rho_5^2 \sin(\phi_1) + b_{-1,0,0,0,0,0,0,1,0,0}^r \rho_1 \rho_4^2 \sin(\phi_1) +$$
$$b_{-1,0,0,0,0,1,0,0,0,0}^r \rho_1 \rho_3^2 \sin(\phi_1) + b_{-1,0,0,1,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \sin(\phi_1) +$$
$$b_{-1,1,0,0,0,0,0,0,0,0}^r \rho_1^3 \sin(\phi_1) + b_{-2,0,1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \sin(2\phi_1 - \phi_2) +$$
$$b_{0,0,-1,0,0,0,0,0,0,1}^r \rho_2 \rho_5^2 \sin(\phi_2) + b_{0,0,-1,0,0,0,0,1,0,0}^r \rho_2 \rho_4^2 \sin(\phi_2) +$$
$$b_{0,0,-1,0,0,1,0,0,0,0}^r \rho_2 \rho_3^2 \sin(\phi_2) + b_{0,0,-1,1,0,0,0,0,0,0}^r \rho_2^3 \sin(\phi_2) +$$
$$b_{0,0,0,0,-1,0,1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \sin(\phi_3 - \phi_4 + \phi_5) + b_{0,0,0,0,1,0,-1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \sin(-\phi_3 + \phi_4 + \phi_5) -$$
$$b_{0,0,0,0,1,0,1,0,1,0}^r \rho_3 \rho_4 \rho_5 \sin(\phi_3 + \phi_4 + \phi_5) - b_{0,0,1,0,0,0,0,0,-2,0}^r \rho_2 \rho_5^2 \sin(\phi_2 - 2\phi_5) -$$
$$b_{0,0,1,0,0,0,2,0,0,0}^r \rho_2 \rho_4^2 \sin(\phi_2 + 2\phi_4) - b_{0,0,1,0,2,0,0,0,0,0}^r \rho_2 \rho_3^2 \sin(\phi_2 + 2\phi_3) +$$
$$b_{0,1,-1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \sin(\phi_2) - b_{1,0,-2,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \sin(\phi_1 - 2\phi_2) -$$
$$b_{1,0,0,0,0,0,0,0,-2,0}^r \rho_1 \rho_5^2 \sin(\phi_1 - 2\phi_5) - b_{1,0,0,0,0,0,2,0,0,0}^r \rho_1 \rho_4^2 \sin(\phi_1 + 2\phi_4) -$$
$$b_{1,0,0,0,2,0,0,0,0,0}^r \rho_1 \rho_3^2 \sin(\phi_1 + 2\phi_3)$$

$$H_{YX}^{(3)} = b_{-1,0,0,0,0,0,0,0,0,0,1}^r \rho_1 \rho_5^2 \sin(\phi_1) + b_{-1,0,0,0,0,0,0,0,1,0,0}^r \rho_1 \rho_4^2 \sin(\phi_1) +$$
$$b_{-1,0,0,0,0,1,0,0,0,0,0}^r \rho_1 \rho_3^2 \sin(\phi_1) + b_{-1,0,0,1,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \sin(\phi_1) +$$
$$b_{-1,1,0,0,0,0,0,0,0,0,0}^r \rho_1^3 \sin(\phi_1) + b_{-2,0,1,0,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \sin(2\phi_1 - \phi_2) +$$
$$b_{0,0,-1,0,0,0,0,0,0,0,1}^r \rho_2 \rho_5^2 \sin(\phi_2) + b_{0,0,-1,0,0,0,0,0,1,0,0}^r \rho_2 \rho_4^2 \sin(\phi_2) +$$
$$b_{0,0,-1,0,0,1,0,0,0,0,0}^r \rho_2 \rho_3^2 \sin(\phi_2) + b_{0,0,-1,1,0,0,0,0,0,0,0}^r \rho_2^3 \sin(\phi_2) +$$
$$b_{0,0,0,0,-1,0,1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \sin(\phi_3 - \phi_4 + \phi_5) + b_{0,0,0,0,0,1,0,-1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \sin(-\phi_3 + \phi_4 + \phi_5) -$$
$$b_{0,0,0,0,1,0,1,0,1,0}^r \rho_3 \rho_4 \rho_5 \sin(\phi_3 + \phi_4 + \phi_5) - b_{0,0,1,0,0,0,0,0,-2,0}^r \rho_2 \rho_5^2 \sin(\phi_2 - 2\phi_5) -$$
$$b_{0,0,1,0,0,0,0,2,0,0,0}^r \rho_2 \rho_4^2 \sin(\phi_2 + 2\phi_4) - b_{0,0,1,0,2,0,0,0,0,0,0}^r \rho_2 \rho_3^2 \sin(\phi_2 + 2\phi_3) +$$
$$b_{0,1,-1,0,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \sin(\phi_2) - b_{1,0,-2,0,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \sin(\phi_1 - 2\phi_2) -$$
$$b_{1,0,0,0,0,0,0,0,0,-2,0}^r \rho_1 \rho_5^2 \sin(\phi_1 - 2\phi_5) - b_{1,0,0,0,0,0,0,2,0,0,0}^r \rho_1 \rho_4^2 \sin(\phi_1 + 2\phi_4) -$$
$$b_{1,0,0,0,2,0,0,0,0,0,0}^r \rho_1 \rho_3^2 \sin(\phi_1 + 2\phi_3)$$

$$H_{YY}^{(3)} = a_{0,0,0,0,1,0,1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 - \phi_5) + a_{0,0,1,0,-2,0,0,0,0,0}^r \rho_2 \rho_3^2 \cos(\phi_2 - 2\phi_3) +$$
$$a_{0,0,1,0,0,0,-2,0,0,0}^r \rho_2 \rho_4^2 \cos(\phi_2 - 2\phi_4) + a_{0,0,1,0,0,0,0,0,2,0}^r \rho_2 \rho_5^2 \cos(\phi_2 + 2\phi_5) +$$
$$a_{0,0,3,0,0,0,0,0,0,0}^r \rho_2^3 \cos(3\phi_2) + a_{1,0,0,0,-2,0,0,0,0,0}^r \rho_1 \rho_3^2 \cos(\phi_1 - 2\phi_3) +$$
$$a_{1,0,0,0,0,0,-2,0,0,0}^r \rho_1 \rho_4^2 \cos(\phi_1 - 2\phi_4) + a_{1,0,0,0,0,0,0,0,2,0}^r \rho_1 \rho_5^2 \cos(\phi_1 + 2\phi_5) +$$
$$a_{1,0,2,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \cos(\phi_1 + 2\phi_2) + a_{2,0,1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \cos(2\phi_1 + \phi_2) +$$
$$a_{3,0,0,0,0,0,0,0,0,0}^r \rho_1^3 \cos(3\phi_1) - b_{-1,0,0,0,0,0,0,0,0,0,1}^r \rho_1 \rho_5^2 \cos(\phi_1) -$$
$$b_{-1,0,0,0,0,0,0,1,0,0}^r \rho_1 \rho_4^2 \cos(\phi_1) - b_{-1,0,0,0,0,1,0,0,0,0}^r \rho_1 \rho_3^2 \cos(\phi_1) -$$
$$b_{-1,0,0,1,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \cos(\phi_1) - b_{-1,1,0,0,0,0,0,0,0,0}^r \rho_1^3 \cos(\phi_1) -$$
$$b_{-2,0,1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \cos(2\phi_1 - \phi_2) - b_{0,0,-1,0,0,0,0,0,0,1}^r \rho_2 \rho_5^2 \cos(\phi_2) -$$
$$b_{0,0,-1,0,0,0,0,1,0,0}^r \rho_2 \rho_4^2 \cos(\phi_2) - b_{0,0,-1,0,0,1,0,0,0,0}^r \rho_2 \rho_3^2 \cos(\phi_2) -$$
$$b_{0,0,-1,1,0,0,0,0,0,0}^r \rho_2^3 \cos(\phi_2) - b_{0,0,0,0,-1,0,1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \cos(\phi_3 - \phi_4 + \phi_5) -$$
$$b_{0,0,0,0,1,0,-1,0,-1,0}^r \rho_3 \rho_4 \rho_5 \cos(-\phi_3 + \phi_4 + \phi_5) - b_{0,0,0,0,1,0,1,0,1,0}^r \rho_3 \rho_4 \rho_5 \cos(\phi_3 + \phi_4 + \phi_5) -$$
$$b_{0,0,1,0,0,0,0,0,-2,0}^r \rho_2 \rho_5^2 \cos(\phi_2 - 2\phi_5) - b_{0,0,1,0,0,0,2,0,0,0}^r \rho_2 \rho_4^2 \cos(\phi_2 + 2\phi_4) -$$
$$b_{0,0,1,0,2,0,0,0,0,0}^r \rho_2 \rho_3^2 \cos(\phi_2 + 2\phi_3) - b_{0,1,-1,0,0,0,0,0,0,0}^r \rho_1^2 \rho_2 \cos(\phi_2) -$$
$$b_{1,0,-2,0,0,0,0,0,0,0}^r \rho_1 \rho_2^2 \cos(\phi_1 - 2\phi_2) - b_{1,0,0,0,0,0,0,0,-2,0}^r \rho_1 \rho_5^2 \cos(\phi_1 - 2\phi_5) -$$
$$b_{1,0,0,0,0,0,2,0,0,0}^r \rho_1 \rho_4^2 \cos(\phi_1 + 2\phi_4) - b_{1,0,0,0,2,0,0,0,0,0}^r \rho_1 \rho_3^2 \cos(\phi_1 + 2\phi_3)$$

Cartesian e-coordinates:

$$H_{XX}^{(3)} = a_{0,0,0,0,1,0,1,0,-1,0}^r (x_3(x_4 x_5 + y_4 y_5) + y_3(x_4 y_5 - x_5 y_4)) + a_{0,0,1,0,-2,0,0,0,0,0}^r (x_2(x_3^2 - y_3^2) + 2x_3 y_2 y_3) +$$
$$a_{0,0,1,0,0,0,-2,0,0,0}^r (x_2(x_4^2 - y_4^2) + 2x_4 y_2 y_4) + a_{0,0,1,0,0,0,0,0,2,0}^r (x_2(x_5^2 - y_5^2) - 2x_5 y_2 y_5) +$$
$$a_{0,0,3,0,0,0,0,0,0,0}^r x_2(x_2^2 - 3y_2^2) + a_{1,0,0,0,-2,0,0,0,0,0}^r (x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) + a_{1,0,0,0,0,0,-2,0,0,0}^r (x_1(x_4^2 -$$
$$y_4^2) + 2x_4 y_1 y_4) + a_{1,0,0,0,0,0,0,0,2,0}^r (x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a_{1,0,2,0,0,0,0,0,0,0}^r (x_1(x_2^2 - y_2^2) -$$
$$2x_2 y_1 y_2) + a_{2,0,1,0,0,0,0,0,0,0}^r (-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{3,0,0,0,0,0,0,0,0,0}^r x_1(x_1^2 - 3y_1^2) +$$
$$b_{-1,0,0,0,0,0,0,0,0,0,1}^r x_1(x_5^2 + y_5^2) + b_{-1,0,0,0,0,0,0,0,1,0,0}^r x_1(x_4^2 + y_4^2) + b_{-1,0,0,0,0,1,0,0,0,0}^r x_1(x_3^2 + y_3^2) +$$
$$b_{-1,0,0,1,0,0,0,0,0,0}^r x_1(x_2^2 + y_2^2) + b_{-1,1,0,0,0,0,0,0,0,0}^r x_1(x_1^2 + y_1^2) + b_{-2,0,1,0,0,0,0,0,0,0}^r (2x_1 y_1 y_2 + x_2(x_1^2 -$$
$$y_1^2)) + b_{0,0,-1,0,0,0,0,0,0,0,1}^r x_2(x_5^2 + y_5^2) + b_{0,0,-1,0,0,0,0,1,0,0}^r x_2(x_4^2 + y_4^2) + b_{0,0,-1,0,0,1,0,0,0,0}^r x_2(x_3^2 + y_3^2) +$$
$$b_{0,0,-1,1,0,0,0,0,0,0}^r x_2(x_2^2 + y_2^2) + b_{0,0,0,0,-1,0,1,0,-1,0}^r (x_3(x_4 x_5 + y_4 y_5) + y_3(-x_4 y_5 + x_5 y_4)) +$$
$$b_{0,0,0,0,1,0,-1,0,-1,0}^r (x_3(x_4 x_5 - y_4 y_5) + y_3(x_4 y_5 + x_5 y_4)) + b_{0,0,0,0,1,0,1,0,1,0}^r (x_3(x_4 x_5 - y_4 y_5) + y_3(-x_4 y_5 -$$

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$$x_5y_4)) + b^r_{0,0,1,0,0,0,0,0,-2,0}(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) + b^r_{0,0,1,0,0,0,2,0,0,0}(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) +$$
$$b^r_{0,0,1,0,2,0,0,0,0,0}(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) + b^r_{0,1,-1,0,0,0,0,0,0,0}x_2(x_1^2 + y_1^2) + b^r_{1,0,-2,0,0,0,0,0,0,0}(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) + b^r_{1,0,0,0,0,0,0,0,-2,0}(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) + b^r_{1,0,0,0,0,0,2,0,0,0}(x_1(x_4^2 - y_4^2) -$$
$$2x_4y_1y_4) + b^r_{1,0,0,0,2,0,0,0,0,0}(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3)$$

$$H^{(3)}_{XY} = b^r_{-1,0,0,0,0,0,0,0,0,1}y_1(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,0,0,1,0,0}y_1(x_4^2 + y_4^2) + b^r_{-1,0,0,0,0,1,0,0,0,0}y_1(x_3^2 + y_3^2) +$$
$$b^r_{-1,0,0,1,0,0,0,0,0,0}y_1(x_2^2 + y_2^2) + b^r_{-1,1,0,0,0,0,0,0,0,0}y_1(x_1^2 + y_1^2) - b^r_{-2,0,1,0,0,0,0,0,0,0}(-2x_1x_2y_1 + y_2(x_1^2 -$$
$$y_1^2)) + b^r_{0,0,-1,0,0,0,0,0,0,1}y_2(x_5^2 + y_5^2) + b^r_{0,0,-1,0,0,0,0,1,0,0}y_2(x_4^2 + y_4^2) + b^r_{0,0,-1,0,0,1,0,0,0,0}y_2(x_3^2 +$$
$$y_3^2) + b^r_{0,0,-1,1,0,0,0,0,0,0}y_2(x_2^2 + y_2^2) + b^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) +$$
$$b^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) - b^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,1,0,0,0,0,0,-2,0}(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) - b^r_{0,0,1,0,0,0,2,0,0,0}(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) -$$
$$b^r_{0,0,1,0,2,0,0,0,0,0}(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) + b^r_{0,1,-1,0,0,0,0,0,0,0}y_2(x_1^2 + y_1^2) +$$
$$b^r_{1,0,-2,0,0,0,0,0,0,0}(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,0,0,0,0,0,0,0,-2,0}(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) -$$
$$b^r_{1,0,0,0,0,0,2,0,0,0}(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b^r_{1,0,0,0,2,0,0,0,0,0}(2x_1x_3y_3 + y_1(x_3^2 - y_3^2))$$

$$H^{(3)}_{YX} = b^r_{-1,0,0,0,0,0,0,0,0,1}y_1(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,0,0,1,0,0}y_1(x_4^2 + y_4^2) + b^r_{-1,0,0,0,0,1,0,0,0,0}y_1(x_3^2 + y_3^2) +$$
$$b^r_{-1,0,0,1,0,0,0,0,0,0}y_1(x_2^2 + y_2^2) + b^r_{-1,1,0,0,0,0,0,0,0,0}y_1(x_1^2 + y_1^2) - b^r_{-2,0,1,0,0,0,0,0,0,0}(-2x_1x_2y_1 + y_2(x_1^2 -$$
$$y_1^2)) + b^r_{0,0,-1,0,0,0,0,0,0,1}y_2(x_5^2 + y_5^2) + b^r_{0,0,-1,0,0,0,0,1,0,0}y_2(x_4^2 + y_4^2) + b^r_{0,0,-1,0,0,1,0,0,0,0}y_2(x_3^2 +$$
$$y_3^2) + b^r_{0,0,-1,1,0,0,0,0,0,0}y_2(x_2^2 + y_2^2) + b^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4y_5 - x_5y_4) + y_3(x_4x_5 + y_4y_5)) +$$
$$b^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4y_5 + x_5y_4) + y_3(-x_4x_5 + y_4y_5)) - b^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4y_5 + x_5y_4) + y_3(x_4x_5 - y_4y_5)) + b^r_{0,0,1,0,0,0,0,0,-2,0}(2x_2x_5y_5 + y_2(-x_5^2 + y_5^2)) - b^r_{0,0,1,0,0,0,2,0,0,0}(2x_2x_4y_4 + y_2(x_4^2 - y_4^2)) -$$
$$b^r_{0,0,1,0,2,0,0,0,0,0}(2x_2x_3y_3 + y_2(x_3^2 - y_3^2)) + b^r_{0,1,-1,0,0,0,0,0,0,0}y_2(x_1^2 + y_1^2) +$$
$$b^r_{1,0,-2,0,0,0,0,0,0,0}(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b^r_{1,0,0,0,0,0,0,0,-2,0}(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) -$$
$$b^r_{1,0,0,0,0,0,2,0,0,0}(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b^r_{1,0,0,0,2,0,0,0,0,0}(2x_1x_3y_3 + y_1(x_3^2 - y_3^2))$$

$$H^{(3)}_{YY} = a^r_{0,0,0,0,1,0,1,0,-1,0}(x_3(x_4x_5 + y_4y_5) + y_3(x_4y_5 - x_5y_4)) + a^r_{0,0,1,0,-2,0,0,0,0,0}(x_2(x_3^2 - y_3^2) + 2x_3y_2y_3) +$$
$$a^r_{0,0,1,0,0,0,-2,0,0,0}(x_2(x_4^2 - y_4^2) + 2x_4y_2y_4) + a^r_{0,0,1,0,0,0,0,0,2,0}(x_2(x_5^2 - y_5^2) - 2x_5y_2y_5) +$$
$$a^r_{0,0,3,0,0,0,0,0,0,0}x_2(x_2^2 - 3y_2^2) + a^r_{1,0,0,0,-2,0,0,0,0,0}(x_1(x_3^2 - y_3^2) + 2x_3y_1y_3) + a^r_{1,0,0,0,0,0,-2,0,0,0}(x_1(x_4^2 -$$
$$y_4^2) + 2x_4y_1y_4) + a^r_{1,0,0,0,0,0,0,0,2,0}(x_1(x_5^2 - y_5^2) - 2x_5y_1y_5) + a^r_{1,0,2,0,0,0,0,0,0,0}(x_1(x_2^2 - y_2^2) -$$
$$2x_2y_1y_2) + a^r_{2,0,1,0,0,0,0,0,0,0}(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{3,0,0,0,0,0,0,0,0,0}x_1(x_1^2 - 3y_1^2) -$$
$$b^r_{-1,0,0,0,0,0,0,0,0,1}x_1(x_5^2 + y_5^2) - b^r_{-1,0,0,0,0,0,0,1,0,0}x_1(x_4^2 + y_4^2) - b^r_{-1,0,0,0,0,1,0,0,0,0}x_1(x_3^2 + y_3^2) -$$
$$b^r_{-1,0,0,1,0,0,0,0,0,0}x_1(x_2^2 + y_2^2) - b^r_{-1,1,0,0,0,0,0,0,0,0}x_1(x_1^2 + y_1^2) - b^r_{-2,0,1,0,0,0,0,0,0,0}(2x_1y_1y_2 + x_2(x_1^2 -$$
$$y_1^2)) - b^r_{0,0,-1,0,0,0,0,0,0,1}x_2(x_5^2 + y_5^2) - b^r_{0,0,-1,0,0,0,0,1,0,0}x_2(x_4^2 + y_4^2) - b^r_{0,0,-1,0,0,1,0,0,0,0}x_2(x_3^2 +$$
$$y_3^2) - b^r_{0,0,-1,1,0,0,0,0,0,0}x_2(x_2^2 + y_2^2) - b^r_{0,0,0,0,-1,0,1,0,-1,0}(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) -$$
$$b^r_{0,0,0,0,1,0,-1,0,-1,0}(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,1,0,1,0,1,0}(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 -$$
$$x_5y_4)) - b^r_{0,0,1,0,0,0,0,0,-2,0}(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - b^r_{0,0,1,0,0,0,2,0,0,0}(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) -$$
$$b^r_{0,0,1,0,2,0,0,0,0,0}(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) - b^r_{0,1,-1,0,0,0,0,0,0,0}x_2(x_1^2 + y_1^2) - b^r_{1,0,-2,0,0,0,0,0,0,0}(x_1(x_2^2 -$$
$$y_2^2) + 2x_2y_1y_2) - b^r_{1,0,0,0,0,0,0,0,-2,0}(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) - b^r_{1,0,0,0,0,0,2,0,0,0}(x_1(x_4^2 - y_4^2) -$$
$$2x_4y_1y_4) - b^r_{1,0,0,0,2,0,0,0,0,0}(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3)$$

5.5   Order: 4

Number of fitting parameters: H_{XX}: 107 (39 from H_{++}, 68 from H_{+-}), H_{XY}: 68 (all from H_{+-}), H_{YY}: 68 (all from H_{+-}).

Polar e-coordinates:

$$
\begin{aligned}
H_{XX}^{(4)} =\ & a_{0,0,0,0,0,0,0,0,0,0,2}^{r}\rho_5^4 + a_{0,0,0,0,0,0,0,0,1,0,1}^{r}\rho_4^2\rho_5^2 + a_{0,0,0,0,0,0,0,0,2,0,0}^{r}\rho_4^4 + \\
& a_{0,0,0,0,0,0,2,0,2,0}^{r}\rho_4^2\rho_5^2\cos(2\phi_4 + 2\phi_5) + a_{0,0,0,0,0,1,0,0,0,1}^{r}\rho_3^2\rho_5^2 + a_{0,0,0,0,0,1,0,1,0,0}^{r}\rho_3^2\rho_4^2 + \\
& a_{0,0,0,0,0,2,0,0,0,0}^{r}\rho_3^4 + a_{0,0,0,0,0,2,0,-2,0,0,0}^{r}\rho_3^2\rho_4^2\cos(2\phi_3 - 2\phi_4) + \\
& a_{0,0,0,0,2,0,0,0,2,0}^{r}\rho_3^2\rho_5^2\cos(2\phi_3 + 2\phi_5) + a_{0,0,0,1,0,0,0,0,0,1}^{r}\rho_2^2\rho_5^2 + a_{0,0,0,1,0,0,0,1,0,0}^{r}\rho_2^2\rho_4^2 + \\
& a_{0,0,0,1,0,1,0,0,0,0}^{r}\rho_2^2\rho_3^2 + a_{0,0,0,2,0,0,0,0,0,0}^{r}\rho_2^4 + a_{0,0,1,0,-1,0,1,0,-1,0}^{r}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \\
& \phi_4 - \phi_5) + a_{0,0,1,0,1,0,-1,0,-1,0}^{r}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 - \phi_5) + \\
& a_{0,0,1,0,1,0,1,0,1,0}^{r}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 + \phi_5) + a_{0,0,2,0,0,0,0,0,-2,0}^{r}\rho_2^2\rho_5^2\cos(2\phi_2 - \\
& 2\phi_5) + a_{0,0,2,0,0,0,2,0,0,0}^{r}\rho_2^2\rho_4^2\cos(2\phi_2 + 2\phi_4) + a_{0,0,2,0,2,0,0,0,0,0}^{r}\rho_2^2\rho_3^2\cos(2\phi_2 + 2\phi_3) + \\
& a_{0,1,0,0,0,0,0,0,0,1}^{r}\rho_1^2\rho_5^2 + a_{0,1,0,0,0,0,0,1,0,0}^{r}\rho_1^2\rho_4^2 + a_{0,1,0,0,0,1,0,0,0,0}^{r}\rho_1^2\rho_3^2 + \\
& a_{0,1,0,1,0,0,0,0,0,0}^{r}\rho_1^2\rho_2^2 + a_{0,2,0,0,0,0,0,0,0,0}^{r}\rho_1^4 + a_{1,0,-1,0,0,0,0,0,0,1}^{r}\rho_1\rho_2\rho_5^2\cos(\phi_1 - \phi_2) + \\
& a_{1,0,-1,0,0,0,0,1,0,0}^{r}\rho_1\rho_2\rho_4^2\cos(\phi_1 - \phi_2) + a_{1,0,-1,0,0,1,0,0,0,0}^{r}\rho_1\rho_2\rho_3^2\cos(\phi_1 - \phi_2) + \\
& a_{1,0,-1,1,0,0,0,0,0,0}^{r}\rho_1\rho_2^3\cos(\phi_1 - \phi_2) + a_{1,0,0,0,-1,0,1,0,-1,0}^{r}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1 - \phi_3 + \phi_4 - \phi_5) + \\
& a_{1,0,0,0,1,0,-1,0,-1,0}^{r}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1 + \phi_3 - \phi_4 - \phi_5) + a_{1,0,0,0,1,0,1,0,1,0}^{r}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1 + \\
& \phi_3 + \phi_4 + \phi_5) + a_{1,0,1,0,0,0,0,0,-2,0}^{r}\rho_1\rho_2\rho_5^2\cos(\phi_1 + \phi_2 - 2\phi_5) + \\
& a_{1,0,1,0,0,0,2,0,0,0}^{r}\rho_1\rho_2\rho_4^2\cos(\phi_1 + \phi_2 + 2\phi_4) + a_{1,0,1,0,2,0,0,0,0,0}^{r}\rho_1\rho_2\rho_3^2\cos(\phi_1 + \phi_2 + \\
& 2\phi_3) + a_{1,1,-1,0,0,0,0,0,0,0}^{r}\rho_1^3\rho_2\cos(\phi_1 - \phi_2) + a_{2,0,-2,0,0,0,0,0,0,0}^{r}\rho_1^2\rho_2^2\cos(2\phi_1 - 2\phi_2) + \\
& a_{2,0,0,0,0,0,0,0,-2,0}^{r}\rho_1^2\rho_5^2\cos(2\phi_1 - 2\phi_5) + a_{2,0,0,0,0,0,2,0,0,0}^{r}\rho_1^2\rho_4^2\cos(2\phi_1 + 2\phi_4) + \\
& a_{2,0,0,0,2,0,0,0,0,0}^{r}\rho_1^2\rho_3^2\cos(2\phi_1 + 2\phi_3) + b_{-1,0,-1,0,0,0,0,0,-2,0}^{r}\rho_1\rho_2\rho_5^2\cos(\phi_1 + \phi_2 + 2\phi_5) + \\
& b_{-1,0,-1,0,0,0,2,0,0,0}^{r}\rho_1\rho_2\rho_4^2\cos(\phi_1 + \phi_2 - 2\phi_4) + b_{-1,0,-1,0,2,0,0,0,0,0}^{r}\rho_1\rho_2\rho_3^2\cos(\phi_1 + \phi_2 - \\
& 2\phi_3) + b_{-1,0,-3,0,0,0,0,0,0,0}^{r}\rho_1\rho_2^3\cos(\phi_1 + 3\phi_2) + b_{-1,0,0,0,-1,0,-1,0,1,0}^{r}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1 + \phi_3 + \\
& \phi_4 - \phi_5) + b_{-1,0,0,0,1,0,1,0,-1,0}^{r}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1 - \phi_3 - \phi_4 + \phi_5) + \\
& b_{-1,0,1,0,-2,0,0,0,0,0}^{r}\rho_1\rho_2\rho_3^2\cos(\phi_1 - \phi_2 + 2\phi_3) + b_{-1,0,1,0,0,0,-2,0,0,0}^{r}\rho_1\rho_2\rho_4^2\cos(\phi_1 - \phi_2 + \\
& 2\phi_4) + b_{-1,0,1,0,0,0,0,0,2,0}^{r}\rho_1\rho_2\rho_5^2\cos(-\phi_1 + \phi_2 + 2\phi_5) + b_{-1,0,3,0,0,0,0,0,0,0}^{r}\rho_1\rho_2^3\cos(\phi_1 - \\
& 3\phi_2) + b_{-2,0,-2,0,0,0,0,0,0,0}^{r}\rho_1^2\rho_2^2\cos(2\phi_1 + 2\phi_2) + b_{-2,0,0,0,0,0,0,0,-2,0}^{r}\rho_1^2\rho_5^2\cos(2\phi_1 + 2\phi_5) + \\
& b_{-2,0,0,0,0,0,2,0,0,0}^{r}\rho_1^2\rho_4^2\cos(2\phi_1 - 2\phi_4) + b_{-2,0,0,0,2,0,0,0,0,0}^{r}\rho_1^2\rho_3^2\cos(2\phi_1 - 2\phi_3) + \\
& b_{-3,0,-1,0,0,0,0,0,0,0}^{r}\rho_1^3\rho_2\cos(3\phi_1 + \phi_2) + b_{-4,0,0,0,0,0,0,0,0,0}^{r}\rho_1^4\cos(4\phi_1) + \\
& b_{0,0,-1,0,-1,0,-1,0,1,0}^{r}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5) + \\
& b_{0,0,-1,0,1,0,1,0,-1,0}^{r}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5) + b_{0,0,-2,0,0,0,0,0,-2,0}^{r}\rho_2^2\rho_5^2\cos(2\phi_2 + \\
& 2\phi_5) + b_{0,0,-2,0,0,0,2,0,0,0}^{r}\rho_2^2\rho_4^2\cos(2\phi_2 - 2\phi_4) + b_{0,0,-2,0,2,0,0,0,0,0}^{r}\rho_2^2\rho_3^2\cos(2\phi_2 - 2\phi_3) + \\
& b_{0,0,-4,0,0,0,0,0,0,0}^{r}\rho_2^4\cos(4\phi_2) + b_{0,0,0,0,-2,0,0,0,0,1}^{r}\rho_3^2\rho_5^2\cos(2\phi_3) + \\
& b_{0,0,0,0,-2,0,0,1,0,0}^{r}\rho_3^2\rho_4^2\cos(2\phi_3) + b_{0,0,0,0,-2,1,0,0,0,0}^{r}\rho_3^4\cos(2\phi_3) + \\
& b_{0,0,0,0,0,0,-2,0,0,1}^{r}\rho_4^2\rho_5^2\cos(2\phi_4) + b_{0,0,0,0,0,0,-2,1,0,0}^{r}\rho_4^4\cos(2\phi_4) + b_{0,0,0,0,0,0,0,0,-4,0}^{r}\rho_5^4\cos(4\phi_5) + \\
& b_{0,0,0,0,0,0,0,0,2,1}^{r}\rho_5^4\cos(2\phi_5) + b_{0,0,0,0,0,0,0,1,2,0}^{r}\rho_4^2\rho_5^2\cos(2\phi_5) + \\
& b_{0,0,0,0,0,0,2,0,-2,0}^{r}\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5) + b_{0,0,0,0,0,0,4,0,0,0}^{r}\rho_4^4\cos(4\phi_4) + \\
& b_{0,0,0,0,0,1,-2,0,0,0}^{r}\rho_3^2\rho_4^2\cos(2\phi_4) + b_{0,0,0,0,0,1,0,0,2,0}^{r}\rho_3^2\rho_5^2\cos(2\phi_5) + \\
& b_{0,0,0,0,2,0,0,0,-2,0}^{r}\rho_3^2\rho_5^2\cos(2\phi_3 - 2\phi_5) + b_{0,0,0,0,2,0,2,0,0,0}^{r}\rho_3^2\rho_4^2\cos(2\phi_3 + 2\phi_4) + \\
& b_{0,0,0,0,4,0,0,0,0,0}^{r}\rho_3^4\cos(4\phi_3) + b_{0,0,0,1,-2,0,0,0,0,0}^{r}\rho_2^2\rho_3^2\cos(2\phi_3) +
\end{aligned}
$$

$$b^r_{0,0,0,1,0,0,-2,0,0,0}\rho_2^2\rho_4^2\cos(2\phi_4) + b^r_{0,0,0,1,0,0,0,0,2,0}\rho_2^2\rho_5^2\cos(2\phi_5)+$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(-\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{0,0,1,0,-1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4+\phi_5) + b^r_{0,0,1,0,1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+$$

$$\phi_3-\phi_4+\phi_5) + b^r_{0,0,2,0,0,0,0,0,0,1}\rho_2^2\rho_5^2\cos(2\phi_2) + b^r_{0,0,2,0,0,0,0,1,0,0}\rho_2^2\rho_4^2\cos(2\phi_2)+$$

$$b^r_{0,0,2,0,0,1,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_2) + b^r_{0,0,2,1,0,0,0,0,0,0}\rho_2^4\cos(2\phi_2)+$$

$$b^r_{0,1,0,0,-2,0,0,0,0,0}\rho_1^2\rho_3^2\cos(2\phi_3) + b^r_{0,1,0,0,0,0,-2,0,0,0}\rho_1^2\rho_4^2\cos(2\phi_4)+$$

$$b^r_{0,1,0,0,0,0,0,0,2,0}\rho_1^2\rho_5^2\cos(2\phi_5) + b^r_{0,1,2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\cos(2\phi_2)+$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(-\phi_1+\phi_2+2\phi_3) + b^r_{1,0,-1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\cos(-\phi_1+\phi_2+$$

$$2\phi_4) + b^r_{1,0,-1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\cos(\phi_1-\phi_2+2\phi_5) + b^r_{1,0,0,0,-1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\cos(-$$

$$\phi_1+\phi_3+\phi_4+\phi_5) + b^r_{1,0,0,0,-1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)+$$

$$b^r_{1,0,0,0,1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5) + b^r_{1,0,1,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2\cos(\phi_1+$$

$$\phi_2) + b^r_{1,0,1,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2\cos(\phi_1+\phi_2) + b^r_{1,0,1,0,0,1,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(\phi_1+\phi_2)+$$

$$b^r_{1,0,1,1,0,0,0,0,0,0}\rho_1\rho_2^3\cos(\phi_1+\phi_2) + b^r_{1,1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2\cos(\phi_1+\phi_2)+$$

$$b^r_{2,0,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2\cos(2\phi_1) + b^r_{2,0,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2\cos(2\phi_1)+$$

$$b^r_{2,0,0,0,1,0,0,0,0,0}\rho_1^2\rho_3^2\cos(2\phi_1) + b^r_{2,0,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2\cos(2\phi_1)+$$

$$b^r_{2,1,0,0,0,0,0,0,0,0}\rho_1^4\cos(2\phi_1) + b^r_{3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\cos(3\phi_1-\phi_2)$$

$$H^{(4)}_{XY} = b^r_{-1,0,-1,0,0,0,0,0,-2,0}\rho_1\rho_2\rho_5^2\sin(\phi_1+\phi_2+2\phi_5) + b^r_{-1,0,-1,0,0,0,2,0,0,0}\rho_1\rho_2\rho_4^2\sin(\phi_1+\phi_2-$$

$$2\phi_4) + b^r_{-1,0,-1,0,2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(\phi_1+\phi_2-2\phi_3) + b^r_{-1,0,-3,0,0,0,0,0,0,0}\rho_1\rho_2^3\sin(\phi_1+$$

$$3\phi_2) + b^r_{-1,0,0,0,-1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5) + b^r_{-1,0,1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(\phi_1-$$

$$\phi_2+2\phi_3) + b^r_{-1,0,1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\sin(\phi_1-\phi_2+2\phi_4) - b^r_{-1,0,1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\sin(-$$

$$\phi_1+\phi_2+2\phi_5) + b^r_{-1,0,3,0,0,0,0,0,0,0}\rho_1\rho_2^3\sin(\phi_1-3\phi_2) + b^r_{-2,0,-2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\sin(2\phi_1+$$

$$2\phi_2) + b^r_{-2,0,0,0,0,0,0,0,-2,0}\rho_1^2\rho_5^2\sin(2\phi_1+2\phi_5) + b^r_{-2,0,0,0,0,0,0,2,0,0,0}\rho_1^2\rho_4^2\sin(2\phi_1-2\phi_4)+$$

$$b^r_{-2,0,0,0,2,0,0,0,0,0}\rho_1^2\rho_3^2\sin(2\phi_1-2\phi_3) + b^r_{-3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\sin(3\phi_1+\phi_2)+$$

$$b^r_{-4,0,0,0,0,0,0,0,0,0}\rho_1^4\sin(4\phi_1) + b^r_{0,0,-1,0,-1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$b^r_{0,0,-1,0,1,0,1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2-\phi_3-\phi_4+\phi_5) + b^r_{0,0,-2,0,0,0,0,0,-2,0}\rho_2^2\rho_5^2\sin(2\phi_2+$$

$$2\phi_5) + b^r_{0,0,-2,0,0,0,0,2,0,0,0}\rho_2^2\rho_4^2\sin(2\phi_2-2\phi_4) + b^r_{0,0,-2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2\sin(2\phi_2-2\phi_3)+$$

$$b^r_{0,0,-4,0,0,0,0,0,0,0}\rho_2^4\sin(4\phi_2) + b^r_{0,0,0,0,-2,0,0,0,0,1}\rho_3^2\rho_5^2\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,-2,0,0,1,0,0}\rho_3^2\rho_4^2\sin(2\phi_3) + b^r_{0,0,0,0,-2,1,0,0,0,0}\rho_3^4\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,0,0,-2,0,0,1}\rho_4^2\rho_5^2\sin(2\phi_4) + b^r_{0,0,0,0,0,0,-2,1,0,0}\rho_4^4\sin(2\phi_4)+$$

$$b^r_{0,0,0,0,0,0,0,0,-4,0}\rho_5^4\sin(4\phi_5) - b^r_{0,0,0,0,0,0,0,0,2,1}\rho_5^4\sin(2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,1,2,0}\rho_4^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,0,0,0,2,0,-2,0}\rho_4^2\rho_5^2\sin(2\phi_4-2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,4,0,0,0}\rho_4^4\sin(4\phi_4) + b^r_{0,0,0,0,0,1,-2,0,0,0}\rho_3^2\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,0,0,1,0,0,2,0}\rho_3^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,0,2,0,0,0,-2,0}\rho_3^2\rho_5^2\sin(2\phi_3-2\phi_5)-$$

$$b^r_{0,0,0,0,2,0,2,0,0,0}\rho_3^2\rho_4^2\sin(2\phi_3+2\phi_4) - b^r_{0,0,0,0,4,0,0,0,0,0}\rho_3^4\sin(4\phi_3)+$$

$$b^r_{0,0,0,1,-2,0,0,0,0,0}\rho_2^2\rho_3^2\sin(2\phi_3) + b^r_{0,0,0,1,0,0,-2,0,0,0}\rho_2^2\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,1,0,0,0,0,2,0}\rho_2^2\rho_5^2\sin(2\phi_5) + b^r_{0,0,1,0,-1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\sin(-\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,1,0,-1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,1,0,1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2+\phi_3-\phi_4+\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,1}\rho_2^2\rho_5^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,0,0,0,0,1,0,0}\rho_2^2\rho_4^2\sin(2\phi_2) - b^r_{0,0,2,0,0,1,0,0,0,0}\rho_2^2\rho_3^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,1,0,0,0,0,0,0}\rho_2^4\sin(2\phi_2) + b^r_{0,1,0,0,-2,0,0,0,0,0}\rho_1^2\rho_3^2\sin(2\phi_3)+$$

$$b^r_{0,1,0,0,0,0,0,-2,0,0,0}\rho_1^2\rho_4^2\sin(2\phi_4) - b^r_{0,1,0,0,0,0,0,0,0,2,0}\rho_1^2\rho_5^2\sin(2\phi_5)-$$

$$b^r_{0,1,2,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\sin(2\phi_2) + b^r_{1,0,-1,0,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(-\phi_1+\phi_2+2\phi_3)+$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,0,0}\rho_1\rho_2\rho_4^2\sin(-\phi_1+\phi_2+2\phi_4) - b^r_{1,0,-1,0,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\sin(\phi_1-\phi_2+$$

$$2\phi_5) + b^r_{1,0,0,0,-1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\sin(-\phi_1+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3-\phi_4+\phi_5) - b^r_{1,0,1,0,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2\sin(\phi_1+$$

$$\phi_2) - b^r_{1,0,1,0,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2\sin(\phi_1+\phi_2) - b^r_{1,0,1,0,0,1,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(\phi_1+\phi_2)-$$

$$b^r_{1,0,1,1,0,0,0,0,0,0,0}\rho_1\rho_2^3\sin(\phi_1+\phi_2) - b^r_{1,1,1,0,0,0,0,0,0,0,0}\rho_1^3\rho_2\sin(\phi_1+\phi_2)-$$

$$b^r_{2,0,0,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2\sin(2\phi_1) - b^r_{2,0,0,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2\sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,1,0,0,0,0,0}\rho_1^2\rho_3^2\sin(2\phi_1) - b^r_{2,0,0,1,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\sin(2\phi_1)-$$

$$b^r_{2,1,0,0,0,0,0,0,0,0,0}\rho_1^4\sin(2\phi_1) - b^r_{3,0,-1,0,0,0,0,0,0,0,0}\rho_1^3\rho_2\sin(3\phi_1-\phi_2)$$

$$H_{YX}^{(4)} = b^r_{-1,0,-1,0,0,0,0,0,-2,0}\rho_1\rho_2\rho_5^2\sin(\phi_1+\phi_2+2\phi_5) + b^r_{-1,0,-1,0,0,0,2,0,0,0}\rho_1\rho_2\rho_4^2\sin(\phi_1+\phi_2-$$

$$2\phi_4) + b^r_{-1,0,-1,0,2,0,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(\phi_1+\phi_2-2\phi_3) + b^r_{-1,0,-3,0,0,0,0,0,0,0,0}\rho_1\rho_2^3\sin(\phi_1+$$

$$3\phi_2) + b^r_{-1,0,0,0,-1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5) + b^r_{-1,0,1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(\phi_1-$$

$$\phi_2+2\phi_3) + b^r_{-1,0,1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\sin(\phi_1-\phi_2+2\phi_4) - b^r_{-1,0,1,0,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\sin(-$$

$$\phi_1+\phi_2+2\phi_5) + b^r_{-1,0,3,0,0,0,0,0,0,0,0}\rho_1\rho_2^3\sin(\phi_1-3\phi_2) + b^r_{-2,0,-2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\sin(2\phi_1+$$

$$2\phi_2) + b^r_{-2,0,0,0,0,0,0,0,-2,0}\rho_1^2\rho_5^2\sin(2\phi_1+2\phi_5) + b^r_{-2,0,0,0,0,0,2,0,0,0}\rho_1^2\rho_4^2\sin(2\phi_1-2\phi_4)+$$

$$b^r_{-2,0,0,0,2,0,0,0,0,0}\rho_1^2\rho_3^2\sin(2\phi_1-2\phi_3) + b^r_{-3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\sin(3\phi_1+\phi_2)+$$

$$b^r_{-4,0,0,0,0,0,0,0,0,0}\rho_1^4\sin(4\phi_1) + b^r_{0,0,-1,0,-1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$b^r_{0,0,-1,0,1,0,1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2-\phi_3-\phi_4+\phi_5) + b^r_{0,0,-2,0,0,0,0,0,-2,0}\rho_2^2\rho_5^2\sin(2\phi_2+$$

$$2\phi_5) + b^r_{0,0,-2,0,0,0,2,0,0,0}\rho_2^2\rho_4^2\sin(2\phi_2-2\phi_4) + b^r_{0,0,-2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2\sin(2\phi_2-2\phi_3)+$$

$$b^r_{0,0,-4,0,0,0,0,0,0,0}\rho_2^4\sin(4\phi_2) + b^r_{0,0,0,0,-2,0,0,0,0,1}\rho_3^2\rho_5^2\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,-2,0,0,1,0,0}\rho_3^2\rho_4^2\sin(2\phi_3) + b^r_{0,0,0,0,-2,1,0,0,0,0}\rho_3^4\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,0,0,-2,0,0,1}\rho_4^2\rho_5^2\sin(2\phi_4) + b^r_{0,0,0,0,0,0,-2,1,0,0}\rho_4^4\sin(2\phi_4)+$$

$$b^r_{0,0,0,0,0,0,0,0,0,-4,0}\rho_5^4\sin(4\phi_5) - b^r_{0,0,0,0,0,0,0,0,0,2,1}\rho_5^4\sin(2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,1,2,0}\rho_4^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,0,0,0,2,0,-2,0}\rho_4^2\rho_5^2\sin(2\phi_4-2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,4,0,0,0}\rho_4^4\sin(4\phi_4) + b^r_{0,0,0,0,0,1,-2,0,0,0}\rho_3^2\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,0,1,0,0,2,0}\rho_3^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,0,2,0,0,0,-2,0}\rho_3^2\rho_5^2\sin(2\phi_3-2\phi_5)-$$

$$b^r_{0,0,0,0,2,0,2,0,0,0}\rho_3^2\rho_4^2\sin(2\phi_3+2\phi_4) - b^r_{0,0,0,0,4,0,0,0,0,0}\rho_3^4\sin(4\phi_3)+$$

$$b^r_{0,0,0,1,-2,0,0,0,0,0}\rho_2^2\rho_3^2\sin(2\phi_3) + b^r_{0,0,0,1,0,0,-2,0,0,0}\rho_2^2\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,1,0,0,0,0,2,0}\rho_2^2\rho_5^2\sin(2\phi_5) + b^r_{0,0,1,0,-1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\sin(-\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,1,0,-1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,1,0,1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\sin(\phi_2+\phi_3-\phi_4+\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,1}\rho_2^2\rho_5^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,0,0,0,0,1,0,0}\rho_2^2\rho_4^2\sin(2\phi_2) - b^r_{0,0,2,0,0,1,0,0,0,0}\rho_2^2\rho_3^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,1,0,0,0,0,0,0}\rho_2^4\sin(2\phi_2) + b^r_{0,1,0,0,-2,0,0,0,0,0}\rho_1^2\rho_3^2\sin(2\phi_3)+$$

$$b^r_{0,1,0,0,0,0,-2,0,0,0}\rho_1^2\rho_4^2\sin(2\phi_4) - b^r_{0,1,0,0,0,0,0,0,0,2,0}\rho_1^2\rho_5^2\sin(2\phi_5)-$$

$$b^r_{0,1,2,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\sin(2\phi_2) + b^r_{1,0,-1,0,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(-\phi_1+\phi_2+2\phi_3)+$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\sin(-\phi_1+\phi_2+2\phi_4) - b^r_{1,0,-1,0,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\sin(\phi_1-\phi_2+$$

$$2\phi_5) + b^r_{1,0,0,0,-1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\sin(-\phi_1+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3-\phi_4+\phi_5) - b^r_{1,0,1,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2\sin(\phi_1+$$
$$\phi_2) - b^r_{1,0,1,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2\sin(\phi_1+\phi_2) - b^r_{1,0,1,0,0,1,0,0,0,0}\rho_1\rho_2\rho_3^2\sin(\phi_1+\phi_2)-$$
$$b^r_{1,0,1,1,0,0,0,0,0,0}\rho_1\rho_2^3\sin(\phi_1+\phi_2) - b^r_{1,1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2\sin(\phi_1+\phi_2)-$$
$$b^r_{2,0,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2\sin(2\phi_1) - b^r_{2,0,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2\sin(2\phi_1)-$$
$$b^r_{2,0,0,0,0,1,0,0,0,0}\rho_1^2\rho_3^2\sin(2\phi_1) - b^r_{2,0,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2\sin(2\phi_1)-$$
$$b^r_{2,1,0,0,0,0,0,0,0,0}\rho_1^4\sin(2\phi_1) - b^r_{3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\sin(3\phi_1-\phi_2)$$

$$H^{(4)}_{YY} = a^r_{0,0,0,0,0,0,0,0,0,2}\rho_5^4 + a^r_{0,0,0,0,0,0,0,1,0,1}\rho_4^2\rho_5^2 + a^r_{0,0,0,0,0,0,0,2,0,0}\rho_4^4 +$$
$$a^r_{0,0,0,0,0,0,2,0,2,0}\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5) + a^r_{0,0,0,0,0,1,0,0,0,1}\rho_3^2\rho_5^2 +$$
$$a^r_{0,0,0,0,0,1,0,1,0,0}\rho_3^2\rho_4^2 + a^r_{0,0,0,0,0,2,0,0,0,0}\rho_3^4 + a^r_{0,0,0,0,2,0,-2,0,0,0}\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4)+$$
$$a^r_{0,0,0,0,2,0,0,0,2,0}\rho_3^2\rho_5^2\cos(2\phi_3+2\phi_5) + a^r_{0,0,0,1,0,0,0,0,0,1}\rho_2^2\rho_5^2 +$$
$$a^r_{0,0,0,1,0,0,0,1,0,0}\rho_2^2\rho_4^2 + a^r_{0,0,0,1,0,1,0,0,0,0}\rho_2^2\rho_3^2 + a^r_{0,0,0,2,0,0,0,0,0,0}\rho_2^4 +$$
$$a^r_{0,0,1,0,-1,0,1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5) + a^r_{0,0,2,0,0,0,0,0,-2,0}\rho_2^2\rho_5^2\cos(2\phi_2-$$
$$2\phi_5) + a^r_{0,0,2,0,0,0,2,0,0,0}\rho_2^2\rho_4^2\cos(2\phi_2+2\phi_4) + a^r_{0,0,2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_2+2\phi_3)+$$
$$a^r_{0,1,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2 + a^r_{0,1,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2 + a^r_{0,1,0,0,0,1,0,0,0,0}\rho_1^2\rho_3^2 +$$
$$a^r_{0,1,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2 + a^r_{0,2,0,0,0,0,0,0,0,0}\rho_1^4 + a^r_{1,0,-1,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2\cos(\phi_1-\phi_2) + a^r_{1,0,-1,0,0,1,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,1,0,0,0,0,0,0}\rho_1\rho_2^3\cos(\phi_1-\phi_2) + a^r_{1,0,0,0,-1,0,1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5) + a^r_{1,0,1,0,0,0,0,0,-2,0}\rho_1\rho_2\rho_5^2\cos(\phi_1+$$
$$\phi_2-2\phi_5) + a^r_{1,0,1,0,0,0,2,0,0,0}\rho_1\rho_2\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+$$
$$a^r_{1,0,1,0,2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(\phi_1+\phi_2+2\phi_3) + a^r_{1,1,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\cos(\phi_1-\phi_2)+$$
$$a^r_{2,0,-2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\cos(2\phi_1-2\phi_2) + a^r_{2,0,0,0,0,0,0,0,-2,0}\rho_1^2\rho_5^2\cos(2\phi_1-2\phi_5)+$$
$$a^r_{2,0,0,0,0,0,2,0,0,0}\rho_1^2\rho_4^2\cos(2\phi_1+2\phi_4) + a^r_{2,0,0,0,2,0,0,0,0,0}\rho_1^2\rho_3^2\cos(2\phi_1+2\phi_3)-$$
$$b^r_{-1,0,-1,0,0,0,0,0,-2,0}\rho_1\rho_2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5) - b^r_{-1,0,-1,0,0,0,2,0,0,0}\rho_1\rho_2\rho_4^2\cos(\phi_1+\phi_2-$$
$$2\phi_4) - b^r_{-1,0,-1,0,2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(\phi_1+\phi_2-2\phi_3) - b^r_{-1,0,-3,0,0,0,0,0,0,0}\rho_1\rho_2^3\cos(\phi_1+$$
$$3\phi_2) - b^r_{-1,0,0,0,-1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)-$$
$$b^r_{-1,0,0,0,1,0,1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5) - b^r_{-1,0,1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(\phi_1-$$
$$\phi_2+2\phi_3) - b^r_{-1,0,1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\cos(\phi_1-\phi_2+2\phi_4) - b^r_{-1,0,1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\cos(-$$
$$\phi_1+\phi_2+2\phi_5) - b^r_{-1,0,3,0,0,0,0,0,0,0}\rho_1\rho_2^3\cos(\phi_1-3\phi_2) - b^r_{-2,0,-2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\cos(2\phi_1+$$
$$2\phi_2) - b^r_{-2,0,0,0,0,0,0,0,-2,0}\rho_1^2\rho_5^2\cos(2\phi_1+2\phi_5) - b^r_{-2,0,0,0,0,0,2,0,0,0}\rho_1^2\rho_4^2\cos(2\phi_1-2\phi_4)-$$
$$b^r_{-2,0,0,0,2,0,0,0,0,0}\rho_1^2\rho_3^2\cos(2\phi_1-2\phi_3) - b^r_{-3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\cos(3\phi_1+\phi_2)-$$
$$b^r_{-4,0,0,0,0,0,0,0,0,0}\rho_1^4\cos(4\phi_1) - b^r_{0,0,-1,0,-1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4-\phi_5)-$$
$$b^r_{0,0,-1,0,1,0,1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3-\phi_4+\phi_5) - b^r_{0,0,-2,0,0,0,0,0,-2,0}\rho_2^2\rho_5^2\cos(2\phi_2+$$
$$2\phi_5) - b^r_{0,0,-2,0,0,0,2,0,0,0}\rho_2^2\rho_4^2\cos(2\phi_2-2\phi_4) - b^r_{0,0,-2,0,2,0,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_2-2\phi_3)-$$
$$b^r_{0,0,-4,0,0,0,0,0,0,0}\rho_2^4\cos(4\phi_2) - b^r_{0,0,0,0,-2,0,0,0,0,1}\rho_3^2\rho_5^2\cos(2\phi_3)-$$
$$b^r_{0,0,0,0,-2,0,0,1,0,0}\rho_3^2\rho_4^2\cos(2\phi_3) - b^r_{0,0,0,0,-2,1,0,0,0,0}\rho_3^4\cos(2\phi_3)-$$
$$b^r_{0,0,0,0,0,0,-2,0,0,1}\rho_4^2\rho_5^2\cos(2\phi_4) - b^r_{0,0,0,0,0,0,-2,1,0,0}\rho_4^4\cos(2\phi_4)-$$
$$b^r_{0,0,0,0,0,0,0,0,-4,0}\rho_5^4\cos(4\phi_5) - b^r_{0,0,0,0,0,0,0,0,2,1}\rho_5^4\cos(2\phi_5)-$$
$$b^r_{0,0,0,0,0,0,0,1,2,0}\rho_4^2\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,0,0,0,0,2,0,-2,0}\rho_4^2\rho_5^2\cos(2\phi_4-2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,4,0,0,0}\rho_4^4\cos(4\phi_4) - b^r_{0,0,0,0,0,1,-2,0,0,0}\rho_3^2\rho_4^2\cos(2\phi_4)-$$

$$b^r_{0,0,0,0,0,1,0,0,2,0}\rho_3^2\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,0,2,0,0,0,-2,0}\rho_3^2\rho_5^2\cos(2\phi_3-2\phi_5)-$$

$$b^r_{0,0,0,0,2,0,2,0,0,0}\rho_3^2\rho_4^2\cos(2\phi_3+2\phi_4) - b^r_{0,0,0,0,4,0,0,0,0,0}\rho_3^4\cos(4\phi_3)-$$

$$b^r_{0,0,0,1,-2,0,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_3) - b^r_{0,0,0,1,0,0,-2,0,0,0}\rho_2^2\rho_4^2\cos(2\phi_4)-$$

$$b^r_{0,0,0,1,0,0,0,0,2,0}\rho_2^2\rho_5^2\cos(2\phi_5) - b^r_{0,0,1,0,-1,0,-1,0,-1,0}\rho_2\rho_3\rho_4\rho_5\cos(-\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,1,0,-1,0,1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,1,0,1,0,-1,0,1,0}\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4+\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,1}\rho_2^2\rho_5^2\cos(2\phi_2)-$$

$$b^r_{0,0,2,0,0,0,0,1,0,0}\rho_2^2\rho_4^2\cos(2\phi_2) - b^r_{0,0,2,0,0,1,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_2)-$$

$$b^r_{0,0,2,1,0,0,0,0,0,0}\rho_2^4\cos(2\phi_2) - b^r_{0,1,0,0,-2,0,0,0,0,0}\rho_1^2\rho_3^2\cos(2\phi_3)-$$

$$b^r_{0,1,0,0,0,0,-2,0,0,0}\rho_1^2\rho_4^2\cos(2\phi_4) - b^r_{0,1,0,0,0,0,0,0,2,0}\rho_1^2\rho_5^2\cos(2\phi_5)-$$

$$b^r_{0,1,2,0,0,0,0,0,0,0}\rho_1^2\rho_2^2\cos(2\phi_2) - b^r_{1,0,-1,0,-2,0,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(-\phi_1+\phi_2+2\phi_3)-$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,0}\rho_1\rho_2\rho_4^2\cos(-\phi_1+\phi_2+2\phi_4) - b^r_{1,0,-1,0,0,0,0,0,2,0}\rho_1\rho_2\rho_5^2\cos(\phi_1-\phi_2+$$

$$2\phi_5) - b^r_{1,0,0,0,-1,0,-1,0,-1,0}\rho_1\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,0,1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,0,1,0}\rho_1\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5) - b^r_{1,0,1,0,0,0,0,0,0,1}\rho_1\rho_2\rho_5^2\cos(\phi_1+$$

$$\phi_2) - b^r_{1,0,1,0,0,0,0,1,0,0}\rho_1\rho_2\rho_4^2\cos(\phi_1+\phi_2) - b^r_{1,0,1,0,0,1,0,0,0,0}\rho_1\rho_2\rho_3^2\cos(\phi_1+\phi_2)-$$

$$b^r_{1,0,1,1,0,0,0,0,0,0}\rho_1\rho_2^3\cos(\phi_1+\phi_2) - b^r_{1,1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2\cos(\phi_1+\phi_2)-$$

$$b^r_{2,0,0,0,0,0,0,0,0,1}\rho_1^2\rho_5^2\cos(2\phi_1) - b^r_{2,0,0,0,0,0,0,1,0,0}\rho_1^2\rho_4^2\cos(2\phi_1)-$$

$$b^r_{2,0,0,0,0,1,0,0,0,0}\rho_1^2\rho_3^2\cos(2\phi_1) - b^r_{2,0,0,1,0,0,0,0,0,0}\rho_1^2\rho_2^2\cos(2\phi_1)-$$

$$b^r_{2,1,0,0,0,0,0,0,0,0}\rho_1^4\cos(2\phi_1) - b^r_{3,0,-1,0,0,0,0,0,0,0}\rho_1^3\rho_2\cos(3\phi_1-\phi_2)$$

Cartesian e-coordinates:

$$\begin{aligned}
H^{(4)}_{XX} =\ & a^r_{0,0,0,0,0,0,0,0,0,2}(x_5^2+y_5^2)^2 + a^r_{0,0,0,0,0,0,0,1,0,1}(x_4^2+y_4^2)(x_5^2+y_5^2) + a^r_{0,0,0,0,0,0,0,2,0,0}(x_4^2+y_4^2)^2+\\
& a^r_{0,0,0,0,0,0,2,0,2,0}(x_4(x_5-y_5)+y_4(-x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5)) + a^r_{0,0,0,0,0,1,0,0,0,1}(x_3^2+y_3^2)(x_5^2+\\
& y_5^2) + a^r_{0,0,0,0,0,1,0,1,0,0}(x_3^2+y_3^2)(x_4^2+y_4^2) + a^r_{0,0,0,0,0,2,0,0,0,0}(x_3^2+y_3^2)^2 + a^r_{0,0,0,0,2,0,-2,0,0,0}(x_3(x_4-\\
& y_4)+y_3(x_4+y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4)) + a^r_{0,0,0,0,2,0,0,0,2,0}(x_3(x_5-y_5)+y_3(-x_5-y_5))(x_3(x_5+y_5)+\\
& y_3(x_5-y_5)) + a^r_{0,0,0,1,0,0,0,0,0,1}(x_2^2+y_2^2)(x_5^2+y_5^2) + a^r_{0,0,0,1,0,0,0,1,0,0}(x_2^2+y_2^2)(x_4^2+y_4^2)+\\
& a^r_{0,0,0,1,0,1,0,0,0,0}(x_2^2+y_2^2)(x_3^2+y_3^2) + a^r_{0,0,0,2,0,0,0,0,0,0}(x_2^2+y_2^2)^2 + a^r_{0,0,1,0,-1,0,1,0,-1,0}(x_2(x_3x_4x_5+\\
& x_3y_4y_5-x_4y_3y_5+x_5y_3y_4)+y_2(x_3x_4y_5-x_3x_5y_4+x_4x_5y_3+y_3y_4y_5))+\\
& a^r_{0,0,1,0,1,0,-1,0,-1,0}(x_2(x_3x_4x_5-x_3y_4y_5+x_4y_3y_5+x_5y_3y_4)+y_2(x_3x_4y_5+x_3x_5y_4-x_4x_5y_3+\\
& y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,0,1,0}(x_2(x_3x_4x_5-x_3y_4y_5-x_4y_3y_5-x_5y_3y_4)+y_2(-x_3x_4y_5-x_3x_5y_4-\\
& x_4x_5y_3+y_3y_4y_5)) + a^r_{0,0,2,0,0,0,0,0,-2,0}(x_2(x_5-y_5)+y_2(x_5+y_5))(x_2(x_5+y_5)+y_2(-x_5+y_5))+\\
& a^r_{0,0,2,0,0,0,2,0,0,0}(x_2(x_4-y_4)+y_2(-x_4-y_4))(x_2(x_4+y_4)+y_2(x_4-y_4)) + a^r_{0,0,2,0,2,0,0,0,0,0}(x_2(x_3-y_3)+y_2(-x_3-\\
& y_3))(x_2(x_3+y_3)+y_2(x_3-y_3)) + a^r_{0,1,0,0,0,0,0,0,0,1}(x_1^2+y_1^2)(x_5^2+y_5^2) + a^r_{0,1,0,0,0,0,0,1,0,0}(x_1^2+\\
& y_1^2)(x_4^2+y_4^2) + a^r_{0,1,0,0,0,1,0,0,0,0}(x_1^2+y_1^2)(x_3^2+y_3^2) + a^r_{0,1,0,1,0,0,0,0,0,0}(x_1^2+y_1^2)(x_2^2+y_2^2)+\\
& a^r_{0,2,0,0,0,0,0,0,0,0}(x_1^2+y_1^2)^2 + a^r_{1,0,-1,0,0,0,0,0,0,1}(x_5^2+y_5^2)(x_1x_2+y_1y_2) + a^r_{1,0,-1,0,0,0,0,1,0,0}(x_4^2+\\
& y_4^2)(x_1x_2+y_1y_2) + a^r_{1,0,-1,0,0,1,0,0,0,0}(x_3^2+y_3^2)(x_1x_2+y_1y_2) + a^r_{1,0,-1,1,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1x_2+\\
& y_1y_2) + a^r_{1,0,0,0,-1,0,1,0,-1,0}(x_1(x_3x_4x_5+x_3y_4y_5-x_4y_3y_5+x_5y_3y_4)+y_1(x_3x_4y_5-x_3x_5y_4+\\
& x_4x_5y_3+y_3y_4y_5)) + a^r_{1,0,0,0,1,0,-1,0,-1,0}(x_1(x_3x_4x_5-x_3y_4y_5+x_4y_3y_5+x_5y_3y_4)+y_1(x_3x_4y_5+\\
& x_3x_5y_4-x_4x_5y_3+y_3y_4y_5)) + a^r_{1,0,0,0,1,0,1,0,1,0}(x_1(x_3x_4x_5-x_3y_4y_5-x_4y_3y_5-x_5y_3y_4)+y_1(-\\
& x_3x_4y_5-x_3x_5y_4-x_4x_5y_3+y_3y_4y_5)) + a^r_{1,0,1,0,0,0,0,0,-2,0}(x_1(x_2x_5^2-x_2y_5^2+2x_5y_2y_5)+\\
& y_1(2x_2x_5y_5-x_5^2y_2+y_2y_5^2)) + a^r_{1,0,1,0,0,0,2,0,0,0}(x_1(x_2x_4^2-x_2y_4^2-2x_4y_2y_4)+y_1(-2x_2x_4y_4-\\
\end{aligned}$$

$$x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,2,0,0,0,0,0}^r(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 +$$

$$y_2 y_3^2)) + a_{1,1,-1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1 x_2 + y_1 y_2) + a_{2,0,-2,0,0,0,0,0,0,0}^r(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 +$$

$$y_2) + y_1(-x_2 + y_2)) + a_{2,0,0,0,0,0,0,0,0,-2,0}^r(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) +$$

$$a_{2,0,0,0,0,0,2,0,0,0}^r(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a_{2,0,0,0,2,0,0,0,0,0}^r(x_1(x_3 - y_3) + y_1(-x_3 -$$

$$y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + b_{-1,0,-1,0,0,0,0,0,0,-2,0}^r(x_1(x_2 x_5^2 - x_2 y_5^2 - 2x_5 y_2 y_5) + y_1(-2x_2 x_5 y_5 -$$

$$x_5^2 y_2 + y_2 y_5^2)) + b_{-1,0,-1,0,0,0,0,2,0,0,0}^r(x_1(x_2 x_4^2 - x_2 y_4^2 + 2x_4 y_2 y_4) + y_1(2x_2 x_4 y_4 - x_4^2 y_2 +$$

$$y_2 y_4^2)) + b_{-1,0,-1,0,2,0,0,0,0,0}^r(x_1(x_2 x_3^2 - x_2 y_3^2 + 2x_3 y_2 y_3) + y_1(2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) +$$

$$b_{-1,0,-3,0,0,0,0,0,0,0}^r(x_1(x_2^3 - 3x_2 y_2^2) + y_1(-3x_2^2 y_2 + y_2^3)) + b_{-1,0,0,0,-1,0,-1,0,1,0}^r(x_1(x_3 x_4 x_5 + x_3 y_4 y_5 +$$

$$x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 - y_3 y_4 y_5)) + b_{-1,0,0,0,1,0,1,0,-1,0}^r(x_1(x_3 x_4 x_5 +$$

$$x_3 y_4 y_5 + x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-x_3 x_4 y_5 + x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$b_{-1,0,1,0,-2,0,0,0,0,0}^r(x_1(x_2 x_3^2 - x_2 y_3^2 + 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 + x_3^2 y_2 - y_2 y_3^2)) +$$

$$b_{-1,0,1,0,0,0,-2,0,0,0}^r(x_1(x_2 x_4^2 - x_2 y_4^2 + 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 + x_4^2 y_2 - y_2 y_4^2)) +$$

$$b_{-1,0,1,0,0,0,0,0,2,0}^r(x_1(x_2 x_5^2 - x_2 y_5^2 - 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 + x_5^2 y_2 - y_2 y_5^2)) +$$

$$b_{-1,0,3,0,0,0,0,0,0,0}^r(x_1(x_2^3 - 3x_2 y_2^2) + y_1(3x_2^2 y_2 - y_2^3)) + b_{-2,0,-2,0,0,0,0,0,0,0}^r(x_1(x_2 - y_2) + y_1(-x_2 -$$

$$y_2))(x_1(x_2 + y_2) + y_1(x_2 - y_2)) + b_{-2,0,0,0,0,0,0,0,-2,0}^r(x_1(x_5 - y_5) + y_1(-x_5 - y_5))(x_1(x_5 + y_5) + y_1(x_5 - y_5)) +$$

$$b_{-2,0,0,0,0,0,2,0,0,0}^r(x_1(x_4 - y_4) + y_1(x_4 + y_4))(x_1(x_4 + y_4) + y_1(-x_4 + y_4)) + b_{-2,0,0,0,2,0,0,0,0,0}^r(x_1(x_3 - y_3) + y_1(x_3 +$$

$$y_3))(x_1(x_3 + y_3) + y_1(-x_3 + y_3)) + b_{-3,0,-1,0,0,0,0,0,0,0}^r(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) +$$

$$b_{-4,0,0,0,0,0,0,0,0,0}^r(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) + b_{0,0,-1,0,-1,0,-1,0,1,0}^r(x_2(x_3 x_4 x_5 + x_3 y_4 y_5 +$$

$$x_4 y_3 y_5 - x_5 y_3 y_4) + y_2(x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 - y_3 y_4 y_5)) + b_{0,0,-1,0,1,0,1,0,-1,0}^r(x_2(x_3 x_4 x_5 +$$

$$x_3 y_4 y_5 + x_4 y_3 y_5 - x_5 y_3 y_4) + y_2(-x_3 x_4 y_5 + x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) + b_{0,0,-2,0,0,0,0,0,-2,0}^r(x_2(x_5 -$$

$$y_5) + y_2(-x_5 - y_5))(x_2(x_5 + y_5) + y_2(x_5 - y_5)) + b_{0,0,-2,0,0,0,2,0,0,0}^r(x_2(x_4 - y_4) + y_2(x_4 + y_4))(x_2(x_4 + y_4) + y_2(-$$

$$x_4 + y_4)) + b_{0,0,-2,0,2,0,0,0,0,0}^r(x_2(x_3 - y_3) + y_2(x_3 + y_3))(x_2(x_3 + y_3) + y_2(-x_3 + y_3)) + b_{0,0,-4,0,0,0,0,0,0,0}^r(x_2^2 -$$

$$2x_2 y_2 - y_2^2)(x_2^2 + 2x_2 y_2 - y_2^2) + b_{0,0,0,0,-2,0,0,0,0,1}^r(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) + b_{0,0,0,0,-2,0,0,1,0,0}^r(x_3 -$$

$$y_3)(x_3 + y_3)(x_4^2 + y_4^2) + b_{0,0,0,0,-2,1,0,0,0,0}^r(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) + b_{0,0,0,0,0,0,-2,0,0,1}^r(x_4 - y_4)(x_4 +$$

$$y_4)(x_5^2 + y_5^2) + b_{0,0,0,0,0,0,-2,1,0,0}^r(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) + b_{0,0,0,0,0,0,0,0,-4,0}^r(x_5^2 - 2x_5 y_5 -$$

$$y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) + b_{0,0,0,0,0,0,0,0,2,1}^r(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + b_{0,0,0,0,0,0,0,1,2,0}^r(x_4^2 +$$

$$y_4^2)(x_5 - y_5)(x_5 + y_5) + b_{0,0,0,0,0,0,2,0,-2,0}^r(x_4(x_5 - y_5) + y_4(x_5 + y_5))(x_4(x_5 + y_5) + y_4(-x_5 + y_5)) +$$

$$b_{0,0,0,0,0,0,4,0,0,0}^r(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) + b_{0,0,0,0,0,1,-2,0,0,0}^r(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) +$$

$$b_{0,0,0,0,0,1,0,0,2,0}^r(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) + b_{0,0,0,0,2,0,0,0,-2,0}^r(x_3(x_5 - y_5) + y_3(x_5 + y_5))(x_3(x_5 + y_5) + y_3(-$$

$$x_5 + y_5)) + b_{0,0,0,0,2,0,2,0,0,0}^r(x_3(x_4 - y_4) + y_3(-x_4 - y_4))(x_3(x_4 + y_4) + y_3(x_4 - y_4)) + b_{0,0,0,0,4,0,0,0,0,0}^r(x_3^2 -$$

$$2x_3 y_3 - y_3^2)(x_3^2 + 2x_3 y_3 - y_3^2) + b_{0,0,0,1,-2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3) + b_{0,0,0,1,0,0,-2,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_4 - y_4)(x_4 + y_4) + b_{0,0,0,1,0,0,0,0,2,0}^r(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) + b_{0,0,1,0,-1,0,-1,0,-1,0}^r(x_2(x_3 x_4 x_5 -$$

$$x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_2(x_3 x_4 y_5 + x_3 x_5 y_4 + x_4 x_5 y_3 - y_3 y_4 y_5)) +$$

$$b_{0,0,1,0,-1,0,1,0,1,0}^r(x_2(x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_2(-x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 -$$

$$y_3 y_4 y_5)) + b_{0,0,1,0,1,0,-1,0,1,0}^r(x_2(x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_2(-x_3 x_4 y_5 + x_3 x_5 y_4 -$$

$$x_4 x_5 y_3 - y_3 y_4 y_5)) + b_{0,0,2,0,0,0,0,0,0,1}^r(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) + b_{0,0,2,0,0,0,0,1,0,0}^r(x_2 - y_2)(x_2 +$$

$$y_2)(x_4^2 + y_4^2) + b_{0,0,2,0,0,1,0,0,0,0}^r(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2) + b_{0,0,2,1,0,0,0,0,0,0}^r(x_2 - y_2)(x_2 + y_2)(x_2^2 +$$

$$y_2^2) + b_{0,1,0,0,-2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3) + b_{0,1,0,0,0,0,-2,0,0,0}^r(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4) +$$

$$b_{0,1,0,0,0,0,0,0,2,0}^r(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5) + b_{0,1,2,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2) +$$

$$b_{1,0,-1,0,-2,0,0,0,0,0}^r(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(2x_2 x_3 y_3 + x_3^2 y_2 - y_2 y_3^2)) +$$

$$b_{1,0,-1,0,0,0,-2,0,0,0}^r(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(2x_2 x_4 y_4 + x_4^2 y_2 - y_2 y_4^2)) +$$

$$b_{1,0,-1,0,0,0,0,0,2,0}^r(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(-2x_2 x_5 y_5 + x_5^2 y_2 - y_2 y_5^2)) +$$

$$b^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$$
$$y_3y_4y_5)) + b^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 +$$
$$x_4x_5y_3 - y_3y_4y_5)) + b^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(-x_3x_4y_5 +$$
$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) + b^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2 -$$
$$y_1y_2) + b^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 - y_1y_2) + b^r_{2,0,0,0,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_5^2 + y_5^2) +$$
$$b^r_{2,0,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2) + b^r_{2,0,0,0,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2) +$$
$$b^r_{2,0,0,1,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) + b^r_{2,1,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2) +$$
$$b^r_{3,0,-1,0,0,0,0,0,0,0}(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2)$$

$$H^{(4)}_{XY} = b^r_{-1,0,-1,0,0,0,0,0,0,-2,0}(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5)) -$$
$$b^r_{-1,0,-1,0,0,0,2,0,0,0}(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 - 2x_4y_2y_4)) -$$
$$b^r_{-1,0,-1,0,2,0,0,0,0,0}(x_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 - 2x_3y_2y_3)) +$$
$$b^r_{-1,0,-3,0,0,0,0,0,0,0}(x_1(3x_2^2y_2 - y_2^3) + y_1(x_2^3 - 3x_2y_2^2)) - b^r_{-1,0,0,0,-1,0,-1,0,1,0}(x_1(x_3x_4y_5 - x_3x_5y_4 -$$
$$x_4x_5y_3 - y_3y_4y_5) + y_1(-x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{-1,0,0,0,1,0,1,0,-1,0}(x_1(x_3x_4y_5 -$$
$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) +$$
$$b^r_{-1,0,1,0,-2,0,0,0,0,0}(x_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2) + y_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3)) +$$
$$b^r_{-1,0,1,0,0,0,-2,0,0,0}(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4)) -$$
$$b^r_{-1,0,1,0,0,0,0,0,2,0}(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(-x_2x_5^2 + x_2y_5^2 + 2x_5y_2y_5)) -$$
$$b^r_{-1,0,3,0,0,0,0,0,0,0}(x_1(3x_2^2y_2 - y_2^3) + y_1(-x_2^3 + 3x_2y_2^2)) + 2b^r_{-2,0,-2,0,0,0,0,0,0,0}(x_1x_2 - y_1y_2)(x_1y_2 +$$
$$x_2y_1) + 2b^r_{-2,0,0,0,0,0,0,0,0,-2,0}(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b^r_{-2,0,0,0,0,0,2,0,0,0}(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) -$$
$$2b^r_{-2,0,0,0,2,0,0,0,0,0}(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1) + b^r_{-3,0,-1,0,0,0,0,0,0,0}(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 -$$
$$x_2y_1^3) + 4b^r_{-4,0,0,0,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1) - b^r_{0,0,-1,0,-1,0,-1,0,1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 -$$
$$y_3y_4y_5) + y_2(-x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b^r_{0,0,-1,0,1,0,1,0,-1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 -$$
$$x_4x_5y_3 - y_3y_4y_5) + y_2(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) + 2b^r_{0,0,-2,0,0,0,0,0,-2,0}(x_2x_5 -$$
$$y_2y_5)(x_2y_5 + x_5y_2) - 2b^r_{0,0,-2,0,0,0,2,0,0,0}(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) - 2b^r_{0,0,-2,0,2,0,0,0,0,0}(x_2x_3 +$$
$$y_2y_3)(x_2y_3 - x_3y_2) + 4b^r_{0,0,-4,0,0,0,0,0,0,0}x_2y_2(x_2 - y_2)(x_2 + y_2) + 2b^r_{0,0,0,0,-2,0,0,0,0,1}x_3y_3(x_5^2 + y_5^2) +$$
$$2b^r_{0,0,0,0,-2,0,0,1,0,0}x_3y_3(x_4^2 + y_4^2) + 2b^r_{0,0,0,0,-2,1,0,0,0,0}x_3y_3(x_3^2 + y_3^2) + 2b^r_{0,0,0,0,0,0,-2,0,0,1}x_4y_4(x_5^2 +$$
$$y_5^2) + 2b^r_{0,0,0,0,0,0,-2,1,0,0}x_4y_4(x_4^2 + y_4^2) + 4b^r_{0,0,0,0,0,0,0,0,-4,0}x_5y_5(x_5 - y_5)(x_5 + y_5) -$$
$$2b^r_{0,0,0,0,0,0,0,0,2,1}x_5y_5(x_5^2 + y_5^2) - 2b^r_{0,0,0,0,0,0,0,1,2,0}x_5y_5(x_4^2 + y_4^2) + 2b^r_{0,0,0,0,0,0,2,0,-2,0}(x_4x_5 +$$
$$y_4y_5)(x_4y_5 - x_5y_4) - 4b^r_{0,0,0,0,0,0,4,0,0,0}x_4y_4(x_4 - y_4)(x_4 + y_4) + 2b^r_{0,0,0,0,0,1,-2,0,0,0}x_4y_4(x_3^2 + y_3^2) -$$
$$2b^r_{0,0,0,0,1,0,0,2,0}x_5y_5(x_3^2 + y_3^2) + 2b^r_{0,0,0,0,2,0,0,0,-2,0}(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) -$$
$$2b^r_{0,0,0,0,2,0,2,0,0,0}(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) - 4b^r_{0,0,0,0,4,0,0,0,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3) +$$
$$2b^r_{0,0,0,1,-2,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2) + 2b^r_{0,0,0,1,0,0,-2,0,0,0}x_4y_4(x_2^2 + y_2^2) - 2b^r_{0,0,0,1,0,0,0,0,2,0}x_5y_5(x_2^2 +$$
$$y_2^2) + b^r_{0,0,1,0,-1,0,-1,0,-1,0}(x_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_2(-x_3x_4x_5 + x_3y_4y_5 +$$
$$x_4y_3y_5 + x_5y_3y_4)) - b^r_{0,0,1,0,-1,0,1,0,1,0}(x_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) + y_2(x_3x_4x_5 -$$
$$x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) - b^r_{0,0,1,0,1,0,-1,0,1,0}(x_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5) +$$
$$y_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) - 2b^r_{0,0,2,0,0,0,0,0,0,1}x_2y_2(x_5^2 + y_5^2) -$$
$$2b^r_{0,0,2,0,0,0,0,1,0,0}x_2y_2(x_4^2 + y_4^2) - 2b^r_{0,0,2,0,0,1,0,0,0,0}x_2y_2(x_3^2 + y_3^2) - 2b^r_{0,0,2,1,0,0,0,0,0,0}x_2y_2(x_2^2 +$$
$$y_2^2) + 2b^r_{0,1,0,0,-2,0,0,0,0,0}x_3y_3(x_1^2 + y_1^2) + 2b^r_{0,1,0,0,0,0,-2,0,0,0}x_4y_4(x_1^2 + y_1^2) -$$
$$2b^r_{0,1,0,0,0,0,0,0,2,0}x_5y_5(x_1^2 + y_1^2) - 2b^r_{0,1,2,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2) + b^r_{1,0,-1,0,-2,0,0,0,0,0}(x_1(2x_2x_3y_3 +$$
$$x_3^2y_2 - y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 + 2x_3y_2y_3)) + b^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(2x_2x_4y_4 + x_4^2y_2 -$$

$$y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 + 2x_4y_2y_4)) - b_{1,0,-1,0,0,0,0,0,2,0}^r(x_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2) +$$
$$y_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)) + b_{1,0,0,0,-1,0,-1,0,-1,0}^r(x_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_1(-$$
$$x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) - b_{1,0,0,0,-1,0,1,0,1,0}^r(x_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 +$$
$$y_3y_4y_5) + y_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) - b_{1,0,0,0,1,0,-1,0,1,0}^r(x_1(x_3x_4y_5 - x_3x_5y_4 +$$
$$x_4x_5y_3 + y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) - b_{1,0,1,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1y_2 +$$
$$x_2y_1) - b_{1,0,1,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) - b_{1,0,1,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1y_2 + x_2y_1) -$$
$$b_{1,0,1,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1y_2 + x_2y_1) - b_{1,1,1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1y_2 + x_2y_1) -$$
$$2b_{2,0,0,0,0,0,0,0,0,1}^r x_1y_1(x_5^2 + y_5^2) - 2b_{2,0,0,0,0,0,0,1,0,0}^r x_1y_1(x_4^2 + y_4^2) - 2b_{2,0,0,0,0,1,0,0,0,0}^r x_1y_1(x_3^2 +$$
$$y_3^2) - 2b_{2,0,0,1,0,0,0,0,0,0}^r x_1y_1(x_2^2 + y_2^2) - 2b_{2,1,0,0,0,0,0,0,0,0}^r x_1y_1(x_1^2 + y_1^2) + b_{3,0,-1,0,0,0,0,0,0,0}^r(x_1^3y_2 -$$
$$3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3)$$

$$H_{YX}^{(4)} = b_{-1,0,-1,0,0,0,0,0,-2,0}^r(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5)) -$$
$$b_{-1,0,-1,0,0,0,2,0,0,0}^r(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(-x_2x_4^2 + x_2y_4^2 - 2x_4y_2y_4)) -$$
$$b_{-1,0,-1,0,2,0,0,0,0,0}^r(x_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2) + y_1(-x_2x_3^2 + x_2y_3^2 - 2x_3y_2y_3)) +$$
$$b_{-1,0,-3,0,0,0,0,0,0,0}^r(x_1(3x_2^2y_2 - y_2^3) + y_1(x_2^3 - 3x_2y_2^2)) - b_{-1,0,0,0,-1,0,-1,0,1,0}^r(x_1(x_3x_4y_5 - x_3x_5y_4 -$$
$$x_4x_5y_3 - y_3y_4y_5) + y_1(-x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b_{-1,0,0,0,1,0,1,0,-1,0}^r(x_1(x_3x_4y_5 -$$
$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5) + y_1(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) +$$
$$b_{-1,0,1,0,-2,0,0,0,0,0}^r(x_1(2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2) + y_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3)) +$$
$$b_{-1,0,1,0,0,0,-2,0,0,0}^r(x_1(2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2) + y_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4)) -$$
$$b_{-1,0,1,0,0,0,0,0,2,0}^r(x_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2) + y_1(-x_2x_5^2 + x_2y_5^2 + 2x_5y_2y_5)) -$$
$$b_{-1,0,3,0,0,0,0,0,0,0}^r(x_1(3x_2^2y_2 - y_2^3) + y_1(-x_2^3 + 3x_2y_2^2)) + 2b_{-2,0,-2,0,0,0,0,0,0,0}^r(x_1x_2 - y_1y_2)(x_1y_2 +$$
$$x_2y_1) + 2b_{-2,0,0,0,0,0,0,0,-2,0}^r(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b_{-2,0,0,0,0,0,2,0,0,0}^r(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) -$$
$$2b_{-2,0,0,0,2,0,0,0,0,0}^r(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1) + b_{-3,0,-1,0,0,0,0,0,0,0}^r(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 -$$
$$x_2y_1^3) + 4b_{-4,0,0,0,0,0,0,0,0,0}^r x_1y_1(x_1 - y_1)(x_1 + y_1) - b_{0,0,-1,0,-1,0,-1,0,1,0}^r(x_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 -$$
$$y_3y_4y_5) + y_2(-x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) + b_{0,0,-1,0,1,0,1,0,-1,0}^r(x_2(x_3x_4y_5 - x_3x_5y_4 -$$
$$x_4x_5y_3 - y_3y_4y_5) + y_2(x_3x_4x_5 + x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4)) + 2b_{0,0,-2,0,0,0,0,0,-2,0}^r(x_2x_5 -$$
$$y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,0,0,0,2,0,0,0}^r(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) - 2b_{0,0,-2,0,2,0,0,0,0,0}^r(x_2x_3 +$$
$$y_2y_3)(x_2y_3 - x_3y_2) + 4b_{0,0,-4,0,0,0,0,0,0,0}^r x_2y_2(x_2 - y_2)(x_2 + y_2) + 2b_{0,0,0,0,-2,0,0,0,0,1}^r x_3y_3(x_5^2 + y_5^2) +$$
$$2b_{0,0,0,0,-2,0,0,1,0,0}^r x_3y_3(x_4^2 + y_4^2) + 2b_{0,0,0,0,-2,1,0,0,0,0}^r x_3y_3(x_3^2 + y_3^2) + 2b_{0,0,0,0,0,0,-2,0,0,1}^r x_4y_4(x_5^2 +$$
$$y_5^2) + 2b_{0,0,0,0,0,0,-2,1,0,0}^r x_4y_4(x_4^2 + y_4^2) + 4b_{0,0,0,0,0,0,0,0,-4,0}^r x_5y_5(x_5 - y_5)(x_5 + y_5) -$$
$$2b_{0,0,0,0,0,0,0,0,2,1}^r x_5y_5(x_5^2 + y_5^2) - 2b_{0,0,0,0,0,0,0,1,2,0}^r x_5y_5(x_4^2 + y_4^2) + 2b_{0,0,0,0,0,0,2,0,-2,0}^r(x_4x_5 +$$
$$y_4y_5)(x_4y_5 - x_5y_4) - 4b_{0,0,0,0,0,0,4,0,0,0}^r x_4y_4(x_4 - y_4)(x_4 + y_4) + 2b_{0,0,0,0,1,-2,0,0,0,0}^r x_4y_4(x_3^2 + y_3^2) -$$
$$2b_{0,0,0,0,1,0,0,0,2,0}^r x_5y_5(x_3^2 + y_3^2) + 2b_{0,0,0,0,2,0,0,0,-2,0}^r(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) -$$
$$2b_{0,0,0,0,2,0,2,0,0,0}^r(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) - 4b_{0,0,0,0,4,0,0,0,0,0}^r x_3y_3(x_3 - y_3)(x_3 + y_3) +$$
$$2b_{0,0,0,1,-2,0,0,0,0,0}^r x_3y_3(x_2^2 + y_2^2) + 2b_{0,0,0,1,0,0,-2,0,0,0}^r x_4y_4(x_2^2 + y_2^2) - 2b_{0,0,0,1,0,0,0,0,2,0}^r x_5y_5(x_2^2 +$$
$$y_2^2) + b_{0,0,1,0,-1,0,-1,0,-1,0}^r(x_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 - y_3y_4y_5) + y_2(-x_3x_4x_5 + x_3y_4y_5 +$$
$$x_4y_3y_5 + x_5y_3y_4)) - b_{0,0,1,0,-1,0,1,0,1,0}^r(x_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) + y_2(x_3x_4x_5 -$$
$$x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4)) - b_{0,0,1,0,1,0,-1,0,1,0}^r(x_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5) +$$
$$y_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)) - 2b_{0,0,2,0,0,0,0,0,0,1}^r x_2y_2(x_5^2 + y_5^2) -$$
$$2b_{0,0,2,0,0,0,0,1,0,0}^r x_2y_2(x_4^2 + y_4^2) - 2b_{0,0,2,0,0,1,0,0,0,0}^r x_2y_2(x_3^2 + y_3^2) - 2b_{0,0,2,1,0,0,0,0,0,0}^r x_2y_2(x_2^2 +$$
$$y_2^2) + 2b_{0,1,0,0,-2,0,0,0,0,0}^r x_3y_3(x_1^2 + y_1^2) + 2b_{0,1,0,0,0,0,-2,0,0,0}^r x_4y_4(x_1^2 + y_1^2) -$$
$$2b_{0,1,0,0,0,0,0,0,2,0}^r x_5y_5(x_1^2 + y_1^2) - 2b_{0,1,2,0,0,0,0,0,0,0}^r x_2y_2(x_1^2 + y_1^2) + b_{1,0,-1,0,-2,0,0,0,0,0}^r(x_1(2x_2x_3y_3 +$$

$$x_3^2 y_2 - y_2 y_3^2) + y_1(-x_2 x_3^2 + x_2 y_3^2 + 2 x_3 y_2 y_3)) + b^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(2 x_2 x_4 y_4 + x_4^2 y_2 -$$
$$y_2 y_4^2) + y_1(-x_2 x_4^2 + x_2 y_4^2 + 2 x_4 y_2 y_4)) - b^r_{1,0,-1,0,0,0,0,2,0}(x_1(2 x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2) +$$
$$y_1(x_2 x_5^2 - x_2 y_5^2 + 2 x_5 y_2 y_5)) + b^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3 x_4 y_5 + x_3 x_5 y_4 + x_4 x_5 y_3 - y_3 y_4 y_5) + y_1(-$$
$$x_3 x_4 x_5 + x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4)) - b^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 +$$
$$y_3 y_4 y_5) + y_1(x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4)) - b^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3 x_4 y_5 - x_3 x_5 y_4 +$$
$$x_4 x_5 y_3 + y_3 y_4 y_5) + y_1(x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4)) - b^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 y_2 +$$
$$x_2 y_1) - b^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 y_2 + x_2 y_1) - b^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 y_2 + x_2 y_1) -$$
$$b^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 y_2 + x_2 y_1) - b^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 y_2 + x_2 y_1) -$$
$$2 b^r_{2,0,0,0,0,0,0,0,0,1} x_1 y_1 (x_5^2 + y_5^2) - 2 b^r_{2,0,0,0,0,0,0,1,0,0} x_1 y_1 (x_4^2 + y_4^2) - 2 b^r_{2,0,0,0,0,1,0,0,0,0} x_1 y_1 (x_3^2 +$$
$$y_3^2) - 2 b^r_{2,0,0,1,0,0,0,0,0,0} x_1 y_1 (x_2^2 + y_2^2) - 2 b^r_{2,1,0,0,0,0,0,0,0,0} x_1 y_1 (x_1^2 + y_1^2) + b^r_{3,0,-1,0,0,0,0,0,0,0}(x_1^3 y_2 -$$
$$3 x_1^2 x_2 y_1 - 3 x_1 y_1^2 y_2 + x_2 y_1^3)$$

$$H^{(4)}_{YY} = a^r_{0,0,0,0,0,0,0,0,0,2}(x_5^2 + y_5^2)^2 + a^r_{0,0,0,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,0,0,0,0,0,0,2,0,0}(x_4^2 + y_4^2)^2 +$$
$$a^r_{0,0,0,0,0,0,2,0,2,0}(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,0,0,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2 +$$
$$y_5^2) + a^r_{0,0,0,0,0,1,0,1,0,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,0,0,0,0,2,0,0,0,0}(x_3^2 + y_3^2)^2 + a^r_{0,0,0,0,2,0,-2,0,0,0}(x_3(x_4 -$$
$$y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,0,2,0,0,0,2,0}(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) +$$
$$y_3(x_5 - y_5)) + a^r_{0,0,0,1,0,0,0,0,0,1}(x_2^2 + y_2^2)(x_5^2 + y_5^2) + a^r_{0,0,0,1,0,0,0,1,0,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$$
$$a^r_{0,0,0,1,0,1,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2) + a^r_{0,0,0,2,0,0,0,0,0,0}(x_2^2 + y_2^2)^2 + a^r_{0,0,1,0,-1,0,1,0,-1,0}(x_2(x_3 x_4 x_5 +$$
$$x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_2(x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) +$$
$$a^r_{0,0,1,0,1,0,-1,0,-1,0}(x_2(x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_2(x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 +$$
$$y_3 y_4 y_5)) + a^r_{0,0,1,0,1,0,1,0,1,0}(x_2(x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_2(-x_3 x_4 y_5 - x_3 x_5 y_4 -$$
$$x_4 x_5 y_3 + y_3 y_4 y_5)) + a^r_{0,0,2,0,0,0,0,0,-2,0}(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) +$$
$$a^r_{0,0,2,0,0,0,2,0,0,0}(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,2,0,0,0,0,0}(x_2(x_3 - y_3) + y_2(-$$
$$x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,1,0,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,0,0,1,0,0}(x_1^2 +$$
$$y_1^2)(x_4^2 + y_4^2) + a^r_{0,1,0,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2) + a^r_{0,1,0,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2) +$$
$$a^r_{0,2,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2 + a^r_{1,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2 + y_1 y_2) + a^r_{1,0,-1,0,0,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1 x_2 + y_1 y_2) + a^r_{1,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1 x_2 + y_1 y_2) + a^r_{1,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_2 +$$
$$y_1 y_2) + a^r_{1,0,0,0,-1,0,1,0,-1,0}(x_1(x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 - x_3 x_5 y_4 +$$
$$x_4 x_5 y_3 + y_3 y_4 y_5)) + a^r_{1,0,0,0,1,0,-1,0,-1,0}(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 +$$
$$x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a^r_{1,0,0,0,1,0,1,0,1,0}(x_1(x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-$$
$$x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a^r_{1,0,1,0,0,0,0,0,-2,0}(x_1(x_2 x_5^2 - x_2 y_5^2 + 2 x_5 y_2 y_5) +$$
$$y_1(2 x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a^r_{1,0,1,0,0,0,2,0,0,0}(x_1(x_2 x_4^2 - x_2 y_4^2 - 2 x_4 y_2 y_4) + y_1(-2 x_2 x_4 y_4 -$$
$$x_4^2 y_2 + y_2 y_4^2)) + a^r_{1,0,1,0,2,0,0,0,0,0}(x_1(x_2 x_3^2 - x_2 y_3^2 - 2 x_3 y_2 y_3) + y_1(-2 x_2 x_3 y_3 - x_3^2 y_2 +$$
$$y_2 y_3^2)) + a^r_{1,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 + y_1 y_2) + a^r_{2,0,-2,0,0,0,0,0,0,0}(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 +$$
$$y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,0,0,0,0,0,0,-2,0}(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) +$$
$$a^r_{2,0,0,0,0,0,0,2,0,0}(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,2,0,0,0,0,0}(x_1(x_3 - y_3) + y_1(-$$
$$x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) - b^r_{-1,0,-1,0,0,0,0,0,-2,0}(x_1(x_2 x_5^2 - x_2 y_5^2 - 2 x_5 y_2 y_5) + y_1(-2 x_2 x_5 y_5 -$$
$$x_5^2 y_2 + y_2 y_5^2)) - b^r_{-1,0,-1,0,0,0,2,0,0,0}(x_1(x_2 x_4^2 - x_2 y_4^2 + 2 x_4 y_2 y_4) + y_1(2 x_2 x_4 y_4 - x_4^2 y_2 +$$
$$y_2 y_4^2)) - b^r_{-1,0,-1,0,2,0,0,0,0,0}(x_1(x_2 x_3^2 - x_2 y_3^2 + 2 x_3 y_2 y_3) + y_1(2 x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) -$$
$$b^r_{-1,0,-3,0,0,0,0,0,0,0}(x_1(x_2^3 - 3 x_2 y_2^2) + y_1(-3 x_2^2 y_2 + y_2^3)) - b^r_{-1,0,0,0,-1,0,-1,0,1,0}(x_1(x_3 x_4 x_5 + x_3 y_4 y_5 +$$
$$x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 - y_3 y_4 y_5)) - b^r_{-1,0,0,0,1,0,1,0,-1,0}(x_1(x_3 x_4 x_5 +$$
$$x_3 y_4 y_5 + x_4 y_3 y_5 - x_5 y_3 y_4) + y_1(-x_3 x_4 y_5 + x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) -$$

$$b^r_{-1,0,1,0,-2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 + 2x_3y_2y_3) + y_1(-2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2)) -$$

$$b^r_{-1,0,1,0,0,0,-2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 + 2x_4y_2y_4) + y_1(-2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2)) -$$

$$b^r_{-1,0,1,0,0,0,0,0,2,0}(x_1(x_2x_5^2 - x_2y_5^2 - 2x_5y_2y_5) + y_1(2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2)) -$$

$$b^r_{-1,0,3,0,0,0,0,0,0,0}(x_1(x_2^3 - 3x_2y_2^2) + y_1(3x_2^2y_2 - y_2^3)) - b^r_{-2,0,-2,0,0,0,0,0,0,0}(x_1(x_2 - y_2) + y_1(-x_2 -$$

$$y_2))(x_1(x_2 + y_2) + y_1(x_2 - y_2)) - b^r_{-2,0,0,0,0,0,0,0,-2,0}(x_1(x_5 - y_5) + y_1(-x_5 - y_5))(x_1(x_5 + y_5) + y_1(x_5 - y_5)) -$$

$$b^r_{-2,0,0,0,0,0,2,0,0,0}(x_1(x_4 - y_4) + y_1(x_4 + y_4))(x_1(x_4 + y_4) + y_1(-x_4 + y_4)) - b^r_{-2,0,0,0,2,0,0,0,0,0}(x_1(x_3 - y_3) +$$

$$y_1(x_3 + y_3))(x_1(x_3 + y_3) + y_1(-x_3 + y_3)) - b^r_{-3,0,-1,0,0,0,0,0,0,0}(x_1^3x_2 - 3x_1^2y_1y_2 - 3x_1x_2y_1^2 + y_1^3y_2) -$$

$$b^r_{-4,0,0,0,0,0,0,0,0,0}(x_1^2 - 2x_1y_1 - y_1^2)(x_1^2 + 2x_1y_1 - y_1^2) - b^r_{0,0,-1,0,-1,0,-1,0,1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 +$$

$$x_4y_3y_5 - x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - b^r_{0,0,-1,0,1,0,1,0,-1,0}(x_2(x_3x_4x_5 +$$

$$x_3y_4y_5 + x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) - b^r_{0,0,-2,0,0,0,0,0,-2,0}(x_2(x_5 -$$

$$y_5) + y_2(-x_5 - y_5))(x_2(x_5 + y_5) + y_2(x_5 - y_5)) - b^r_{0,0,-2,0,0,0,2,0,0,0}(x_2(x_4 - y_4) + y_2(x_4 + y_4))(x_2(x_4 + y_4) + y_2(-$$

$$x_4 + y_4)) - b^r_{0,0,-2,0,2,0,0,0,0,0}(x_2(x_3 - y_3) + y_2(x_3 + y_3))(x_2(x_3 + y_3) + y_2(-x_3 + y_3)) - b^r_{0,0,-4,0,0,0,0,0,0,0}(x_2^2 -$$

$$2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) - b^r_{0,0,0,0,-2,0,0,0,0,1}(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) - b^r_{0,0,0,0,-2,0,0,1,0,0}(x_3 -$$

$$y_3)(x_3 + y_3)(x_4^2 + y_4^2) - b^r_{0,0,0,0,-2,1,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) - b^r_{0,0,0,0,0,0,-2,0,0,1}(x_4 - y_4)(x_4 +$$

$$y_4)(x_5^2 + y_5^2) - b^r_{0,0,0,0,0,0,-2,1,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) - b^r_{0,0,0,0,0,0,0,0,-4,0}(x_5^2 - 2x_5y_5 -$$

$$y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) - b^r_{0,0,0,0,0,0,0,0,2,1}(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) - b^r_{0,0,0,0,0,0,0,1,2,0}(x_4^2 +$$

$$y_4^2)(x_5 - y_5)(x_5 + y_5) - b^r_{0,0,0,0,0,0,2,0,-2,0}(x_4(x_5 - y_5) + y_4(x_5 + y_5))(x_4(x_5 + y_5) + y_4(-x_5 + y_5)) -$$

$$b^r_{0,0,0,0,0,0,4,0,0,0}(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) - b^r_{0,0,0,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) -$$

$$b^r_{0,0,0,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) - b^r_{0,0,0,0,2,0,0,0,-2,0}(x_3(x_5 - y_5) + y_3(x_5 + y_5))(x_3(x_5 + y_5) + y_3(-$$

$$x_5 + y_5)) - b^r_{0,0,0,0,2,0,2,0,0,0}(x_3(x_4 - y_4) + y_3(-x_4 - y_4))(x_3(x_4 + y_4) + y_3(x_4 - y_4)) - b^r_{0,0,0,0,4,0,0,0,0,0}(x_3^2 -$$

$$2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - b^r_{0,0,0,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3) -$$

$$b^r_{0,0,0,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) - b^r_{0,0,0,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) -$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$$

$$y_3y_4y_5)) - b^r_{0,0,1,0,-1,0,1,0,1,0}(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 +$$

$$x_4x_5y_3 - y_3y_4y_5)) - b^r_{0,0,1,0,1,0,1,0,-1,0}(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(-x_3x_4y_5 +$$

$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - b^r_{0,0,2,0,0,0,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) - b^r_{0,0,2,0,0,0,0,1,0,0}(x_2 -$$

$$y_2)(x_2 + y_2)(x_4^2 + y_4^2) - b^r_{0,0,2,0,0,1,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2) - b^r_{0,0,2,1,0,0,0,0,0,0}(x_2 - y_2)(x_2 +$$

$$y_2)(x_2^2 + y_2^2) - b^r_{0,1,0,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3) - b^r_{0,1,0,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_4 -$$

$$y_4)(x_4 + y_4) - b^r_{0,1,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5) - b^r_{0,1,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2) -$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,0}(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2)) -$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,0}(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2)) -$$

$$b^r_{1,0,-1,0,0,0,0,0,2,0}(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(-2x_2x_5y_5 + x_5^2y_2 - y_2y_5^2)) -$$

$$b^r_{1,0,0,0,-1,0,-1,0,-1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 + x_4x_5y_3 -$$

$$y_3y_4y_5)) - b^r_{1,0,0,0,-1,0,1,0,1,0}(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 +$$

$$x_4x_5y_3 - y_3y_4y_5)) - b^r_{1,0,0,0,1,0,-1,0,1,0}(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(-x_3x_4y_5 +$$

$$x_3x_5y_4 - x_4x_5y_3 - y_3y_4y_5)) - b^r_{1,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) - b^r_{1,0,1,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1x_2 - y_1y_2) - b^r_{1,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) - b^r_{1,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2 -$$

$$y_1y_2) - b^r_{1,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 - y_1y_2) - b^r_{2,0,0,0,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_5^2 + y_5^2) -$$

$$b^r_{2,0,0,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2) - b^r_{2,0,0,0,0,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2) -$$

$$b^r_{2,0,0,1,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) - b^r_{2,1,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2) -$$

$$b^r_{3,0,-1,0,0,0,0,0,0,0}(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2)$$

5.6 Order: 5

Number of fitting parameters: H_{XX}: 266 (92 from H_{++}, 174 from H_{+-}), H_{XY}: 174 (all from H_{+-}), H_{YY}: 174 (all from H_{+-}).

Polar e-coordinates:

$$
\begin{aligned}
H_{XX}^{(5)} =\, & a^r_{0,0,0,0,1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\cos(-\phi_3+\phi_4+3\phi_5) + a^r_{0,0,0,0,1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3-\phi_4+\\
& 3\phi_5) + a^r_{0,0,0,0,1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3-3\phi_4+\phi_5) + a^r_{0,0,0,0,1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3+\\
& \phi_4-\phi_5) + a^r_{0,0,0,0,1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+\phi_4-\phi_5) + a^r_{0,0,0,0,1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+\\
& 3\phi_4+\phi_5) + a^r_{0,0,0,0,1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3+\phi_4-\phi_5) + a^r_{0,0,0,0,3,0,-1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(-\\
& 3\phi_3+\phi_4+\phi_5) + a^r_{0,0,0,0,3,0,1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3+\phi_4+\phi_5)+\\
& a^r_{0,0,0,1,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3+\phi_4-\phi_5) + a^r_{0,0,1,0,-2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2-\\
& 2\phi_3) + a^r_{0,0,1,0,-2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2-2\phi_3) + a^r_{0,0,1,0,-2,1,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2-2\phi_3)+\\
& a^r_{0,0,1,0,0,0,-2,0,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2-2\phi_4) + a^r_{0,0,1,0,0,0,-2,1,0,0}\rho_2\rho_4^4\cos(\phi_2-2\phi_4)+\\
& a^r_{0,0,1,0,0,0,0,0,-4,0}\rho_2\rho_5^4\cos(\phi_2-4\phi_5) + a^r_{0,0,1,0,0,0,0,0,2,1}\rho_2\rho_5^4\cos(\phi_2+2\phi_5)+\\
& a^r_{0,0,1,0,0,0,0,1,2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+2\phi_5) + a^r_{0,0,1,0,0,0,2,0,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+2\phi_4-\\
& 2\phi_5) + a^r_{0,0,1,0,0,0,4,0,0,0}\rho_2\rho_4^4\cos(\phi_2+4\phi_4) + a^r_{0,0,1,0,0,1,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2-2\phi_4)+\\
& a^r_{0,0,1,0,0,1,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_5) + a^r_{0,0,1,0,2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_3-\\
& 2\phi_5) + a^r_{0,0,1,0,2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2+2\phi_3+2\phi_4) + a^r_{0,0,1,0,4,0,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2+\\
& 4\phi_3) + a^r_{0,0,1,1,-2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2-2\phi_3) + a^r_{0,0,1,1,0,0,-2,0,0,0}\rho_2^3\rho_4^2\cos(\phi_2-2\phi_4)+\\
& a^r_{0,0,1,1,0,0,0,0,2,0}\rho_2^3\rho_5^2\cos(\phi_2+2\phi_5) + a^r_{0,0,2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(-2\phi_2+\phi_3+\phi_4+\\
& \phi_5) + a^r_{0,0,2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2-\phi_3+\phi_4+\phi_5)+\\
& a^r_{0,0,2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3-\phi_4+\phi_5) + a^r_{0,0,3,0,0,0,0,0,0,1}\rho_2^3\rho_5^2\cos(3\phi_2)+\\
& a^r_{0,0,3,0,0,0,0,1,0,0}\rho_2^3\rho_4^2\cos(3\phi_2) + a^r_{0,0,3,0,0,1,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2)+\\
& a^r_{0,0,3,1,0,0,0,0,0,0}\rho_2^5\cos(3\phi_2) + a^r_{0,1,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3+\phi_4-\phi_5)+\\
& a^r_{0,1,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2-2\phi_3) + a^r_{0,1,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2-2\phi_4)+\\
& a^r_{0,1,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(\phi_2+2\phi_5) + a^r_{0,1,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(3\phi_2)+\\
& a^r_{1,0,-1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+\\
& a^r_{1,0,-1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2+\phi_3+\phi_4-\phi_5)+\\
& a^r_{1,0,-2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(-\phi_1+2\phi_2+2\phi_5) + a^r_{1,0,-2,0,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-\\
& 2\phi_2+2\phi_4) + a^r_{1,0,-2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_2+2\phi_3)+\\
& a^r_{1,0,-4,0,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1-4\phi_2) + a^r_{1,0,0,0,-2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1-2\phi_3)+\\
& a^r_{1,0,0,0,-2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_3) + a^r_{1,0,0,0,-2,1,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1-2\phi_3)+\\
& a^r_{1,0,0,0,0,0,-2,0,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1-2\phi_4) + a^r_{1,0,0,0,0,0,-2,1,0,0}\rho_1\rho_4^4\cos(\phi_1-2\phi_4)+\\
& a^r_{1,0,0,0,0,0,0,0,-4,0}\rho_1\rho_5^4\cos(\phi_1-4\phi_5) + a^r_{1,0,0,0,0,0,0,0,2,1}\rho_1\rho_5^4\cos(\phi_1+2\phi_5)+\\
& a^r_{1,0,0,0,0,0,0,1,2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_5) + a^r_{1,0,0,0,0,0,2,0,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_4-\\
& 2\phi_5) + a^r_{1,0,0,0,0,0,4,0,0,0}\rho_1\rho_4^4\cos(\phi_1+4\phi_4) + a^r_{1,0,0,0,0,1,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_4)+\\
& a^r_{1,0,0,0,0,1,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_5) + a^r_{1,0,0,0,2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_3-\\
& 2\phi_5) + a^r_{1,0,0,0,2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+2\phi_3+2\phi_4) + a^r_{1,0,0,0,4,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1+\\
& 4\phi_3) + a^r_{1,0,0,1,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_3) + a^r_{1,0,0,1,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-\\
& 2\phi_4) + a^r_{1,0,0,1,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_5) + a^r_{1,0,1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\\
& \phi_1-\phi_2+\phi_3+\phi_4+\phi_5) + a^r_{1,0,1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+\\
& a^r_{1,0,1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+
\end{aligned}
$$

$a^r_{1,0,2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2)+a^r_{1,0,2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+2\phi_2)+$

$a^r_{1,0,2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2)+a^r_{1,0,2,1,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1+2\phi_2)+$

$a^r_{1,1,0,0,0,-2,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1-2\phi_3)+a^r_{1,1,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(\phi_1-2\phi_4)+$

$a^r_{1,1,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,1,2,0,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1+2\phi_2)+$

$a^r_{2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(-2\phi_1+\phi_2+2\phi_3)+a^r_{2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(-2\phi_1+$

$\phi_2+2\phi_4)+a^r_{2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1-\phi_2+2\phi_5)+$

$a^r_{2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+\phi_2)+a^r_{2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+\phi_2)+$

$a^r_{2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2)+a^r_{2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1+\phi_2)+$

$a^r_{2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(2\phi_1+\phi_2)+a^r_{3,0,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\cos(3\phi_1)+$

$a^r_{3,0,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\cos(3\phi_1)+a^r_{3,0,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1)+$

$a^r_{3,0,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1)+a^r_{3,1,0,0,0,0,0,0,0,0}\rho_1^5\cos(3\phi_1)+$

$a^r_{4,0,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(4\phi_1-\phi_2)+b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3+$

$\phi_4+\phi_5)+b^r_{-1,0,-1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3-\phi_4-\phi_5)+$

$b^r_{-1,0,-1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,-2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2+2\phi_3)+b^r_{-1,0,-2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+$

$2\phi_2+2\phi_4)+b^r_{-1,0,-2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2-2\phi_5)+$

$b^r_{-1,0,0,0,-2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_3+2\phi_5)+b^r_{-1,0,0,0,-2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+$

$2\phi_3-2\phi_4)+b^r_{-1,0,0,0,0,0,-2,0,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_4+2\phi_5)+$

$b^r_{-1,0,0,0,0,0,0,0,0,2}\rho_1\rho_5^4\cos(\phi_1)+b^r_{-1,0,0,0,0,0,0,0,1,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1)+$

$b^r_{-1,0,0,0,0,0,0,2,0,0}\rho_1\rho_4^4\cos(\phi_1)+b^r_{-1,0,0,0,0,0,2,0,2,0}\rho_1\rho_4^2\rho_5^2\cos(-\phi_1+2\phi_4+2\phi_5)+$

$b^r_{-1,0,0,0,0,1,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1)+b^r_{-1,0,0,0,0,1,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1)+$

$b^r_{-1,0,0,0,0,2,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1)+b^r_{-1,0,0,0,2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_3+2\phi_4)+$

$b^r_{-1,0,0,0,2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(-\phi_1+2\phi_3+2\phi_5)+b^r_{-1,0,0,1,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1)+$

$b^r_{-1,0,0,1,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1)+b^r_{-1,0,0,1,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1)+$

$b^r_{-1,0,0,2,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1)+b^r_{-1,0,1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2+\phi_3-\phi_4+$

$\phi_5)+b^r_{-1,0,1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2-\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1-2\phi_2+2\phi_5)+b^r_{-1,0,2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(-\phi_1+$

$2\phi_2+2\phi_4)+b^r_{-1,0,2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(-\phi_1+2\phi_2+2\phi_3)+$

$b^r_{-1,1,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\cos(\phi_1)+b^r_{-1,1,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\cos(\phi_1)+$

$b^r_{-1,1,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1)+b^r_{-1,1,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1)+$

$b^r_{-1,2,0,0,0,0,0,0,0,0}\rho_1^5\cos(\phi_1)+b^r_{-2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2+2\phi_3)+$

$b^r_{-2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+\phi_2+2\phi_4)+b^r_{-2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+$

$\phi_2-2\phi_5)+b^r_{-2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3+\phi_4+\phi_5)+$

$b^r_{-2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3-\phi_4-\phi_5)+$

$b^r_{-2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3+\phi_4-\phi_5)+$

$b^r_{-2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1-\phi_2)+b^r_{-2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1-\phi_2)+$

$b^r_{-2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1-\phi_2)+b^r_{-2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1-\phi_2)+$

$b^r_{-2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(2\phi_1-\phi_2)+b^r_{-3,0,0,0,0,-2,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1+2\phi_3)+$

$b^r_{-3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(3\phi_1+2\phi_4)+b^r_{-3,0,0,0,0,0,0,0,0,2,0,0}\rho_1^3\rho_5^2\cos(3\phi_1-2\phi_5)+$

$b^r_{-3,0,2,0,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1-2\phi_2)+b^r_{0,0,-1,0,-2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_3+2\phi_5)+$

$b^r_{0,0,-1,0,-2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2+2\phi_3-2\phi_4)+b^r_{0,0,-1,0,0,0,0,-2,0,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+$

$2\phi_4+2\phi_5)+b^r_{0,0,-1,0,0,0,0,0,0,0,2}\rho_2\rho_5^4\cos(\phi_2)+b^r_{0,0,-1,0,0,0,0,0,1,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2)+$

$b^r_{0,0,-1,0,0,0,0,0,2,0,0}\rho_2\rho_4^4\cos(\phi_2)+b^r_{0,0,-1,0,0,0,0,2,0,2,0}\rho_2\rho_4^2\rho_5^2\cos(-\phi_2+2\phi_4+2\phi_5)+$

$b^r_{0,0,-1,0,0,1,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2)+b^r_{0,0,-1,0,0,1,0,1,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2)+$

$b^r_{0,0,-1,0,0,2,0,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2)+b^r_{0,0,-1,0,2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2-2\phi_3+2\phi_4)+$

$b^r_{0,0,-1,0,2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(-\phi_2+2\phi_3+2\phi_5)+b^r_{0,0,-1,1,0,0,0,0,0,1}\rho_2^3\rho_5^2\cos(\phi_2)+$

$b^r_{0,0,-1,1,0,0,0,1,0,0}\rho_2^3\rho_4^2\cos(\phi_2)+b^r_{0,0,-1,1,0,1,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2)+$

$b^r_{0,0,-1,2,0,0,0,0,0,0}\rho_2^5\cos(\phi_2)+b^r_{0,0,-2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{0,0,-2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3-\phi_4-\phi_5)+$

$b^r_{0,0,-2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2-\phi_3+\phi_4-\phi_5)+b^r_{0,0,-3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2+$

$2\phi_3)+b^r_{0,0,-3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\cos(3\phi_2+2\phi_4)+b^r_{0,0,-3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\cos(3\phi_2-2\phi_5)+$

$b^r_{0,0,0,0,-1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3+\phi_4+3\phi_5)+b^r_{0,0,0,0,-1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3+\phi_4-$

$3\phi_5)+b^r_{0,0,0,0,-1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+3\phi_4-\phi_5)+b^r_{0,0,0,0,-1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3-$

$\phi_4+\phi_5)+b^r_{0,0,0,0,-1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3-\phi_4+\phi_5)+b^r_{0,0,0,0,-1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\cos(-$

$\phi_3+3\phi_4+\phi_5)+b^r_{0,0,0,0,-1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3-\phi_4+\phi_5)+$

$b^r_{0,0,0,0,-3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3+\phi_4-\phi_5)+b^r_{0,0,0,0,1,0,-1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(-\phi_3+\phi_4+$

$\phi_5)+b^r_{0,0,0,0,1,0,-1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(-\phi_3+\phi_4+\phi_5)+b^r_{0,0,0,0,1,0,1,0,1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3+$

$\phi_4+\phi_5)+b^r_{0,0,0,0,1,0,1,1,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+\phi_4+\phi_5)+b^r_{0,0,0,0,1,1,-1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(-$

$\phi_3+\phi_4+\phi_5)+b^r_{0,0,0,0,1,1,1,0,1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3+\phi_4+\phi_5)+$

$b^r_{0,0,0,0,3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3-\phi_4+\phi_5)+b^r_{0,0,0,1,-1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3-$

$\phi_4+\phi_5)+b^r_{0,0,0,1,1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_3+\phi_4+\phi_5)+$

$b^r_{0,0,0,1,1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3+\phi_4+\phi_5)+b^r_{0,0,1,0,-2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(-\phi_2+$

$2\phi_3+2\phi_4)+b^r_{0,0,1,0,-2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2-2\phi_3+2\phi_5)+$

$b^r_{0,0,1,0,-4,0,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2-4\phi_3)+b^r_{0,0,1,0,0,0,-2,0,2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2-2\phi_4+2\phi_5)+$

$b^r_{0,0,1,0,0,0,-4,0,0,0}\rho_2\rho_4^4\cos(\phi_2-4\phi_4)+b^r_{0,0,1,0,0,0,0,0,0,-2,1}\rho_2\rho_5^4\cos(\phi_2-2\phi_5)+$

$b^r_{0,0,1,0,0,0,0,0,0,4,0}\rho_2\rho_5^4\cos(\phi_2+4\phi_5)+b^r_{0,0,1,0,0,0,0,1,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2-2\phi_5)+$

$b^r_{0,0,1,0,0,0,2,0,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+2\phi_4)+b^r_{0,0,1,0,0,0,2,1,0,0}\rho_2\rho_4^4\cos(\phi_2+2\phi_4)+$

$b^r_{0,0,1,0,0,1,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2-2\phi_5)+b^r_{0,0,1,0,0,1,2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2+2\phi_4)+$

$b^r_{0,0,1,0,2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_3)+b^r_{0,0,1,0,2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2+2\phi_3)+$

$b^r_{0,0,1,0,2,1,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2+2\phi_3)+b^r_{0,0,1,1,0,0,0,0,-2,0}\rho_2^3\rho_5^2\cos(\phi_2-2\phi_5)+$

$b^r_{0,0,1,1,0,0,2,0,0,0}\rho_2^3\rho_4^2\cos(\phi_2+2\phi_4)+b^r_{0,0,1,1,2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2+2\phi_3)+$

$b^r_{0,0,2,0,-1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2-\phi_3-\phi_4+\phi_5)+$

$b^r_{0,0,2,0,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3+\phi_4-\phi_5)+b^r_{0,0,3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2-$

$2\phi_3)+b^r_{0,0,3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\cos(3\phi_2-2\phi_4)+b^r_{0,0,3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\cos(3\phi_2+2\phi_5)+$

$b^r_{0,0,5,0,0,0,0,0,0,0}\rho_2^5\cos(5\phi_2)+b^r_{0,1,-1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(\phi_2)+$

$b^r_{0,1,-1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2)+b^r_{0,1,-1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2)+$

$b^r_{0,1,-1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(\phi_2)+b^r_{0,1,0,0,-1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3-\phi_4+\phi_5)+$

$b^r_{0,1,0,0,1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(-\phi_3+\phi_4+\phi_5)+b^r_{0,1,0,0,1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3+$

$\phi_4+\phi_5)+b^r_{0,1,1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\cos(\phi_2-2\phi_5)+b^r_{0,1,1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2+$

$2\phi_4)+b^r_{0,1,1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2+2\phi_3)+b^r_{0,2,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(\phi_2)+$

$b^r_{1,0,-1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$b^r_{1,0,-1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$b^r_{1,0,-1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{1,0,-2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1-2\phi_2)+b^r_{1,0,-2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-2\phi_2)+$

$b^r_{1,0,-2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_2)+b^r_{1,0,-2,1,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1-2\phi_2)+$

$b^r_{1,0,0,0,-2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(-\phi_1+2\phi_3+2\phi_4)+b^r_{1,0,0,0,-2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1-$
$2\phi_3+2\phi_5)+b^r_{1,0,0,0,-4,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1-4\phi_3)+b^r_{1,0,0,0,0,0,-2,0,2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1-$
$2\phi_4+2\phi_5)+b^r_{1,0,0,0,0,0,-4,0,0,0}\rho_1\rho_4^4\cos(\phi_1-4\phi_4)+b^r_{1,0,0,0,0,0,0,0,-2,1}\rho_1\rho_5^4\cos(\phi_1-2\phi_5)+$

$b^r_{1,0,0,0,0,0,0,0,4,0}\rho_1\rho_5^4\cos(\phi_1+4\phi_5)+b^r_{1,0,0,0,0,0,0,1,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1-2\phi_5)+$

$b^r_{1,0,0,0,0,0,2,0,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_4)+b^r_{1,0,0,0,0,0,2,1,0,0}\rho_1\rho_4^4\cos(\phi_1+2\phi_4)+$

$b^r_{1,0,0,0,0,1,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1-2\phi_5)+b^r_{1,0,0,0,0,1,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+2\phi_4)+$

$b^r_{1,0,0,0,2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_3)+b^r_{1,0,0,0,2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+2\phi_3)+$

$b^r_{1,0,0,0,2,1,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1+2\phi_3)+b^r_{1,0,0,1,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1-2\phi_5)+$

$b^r_{1,0,0,1,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+2\phi_4)+b^r_{1,0,0,1,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_3)+$

$b^r_{1,0,1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)+$

$b^r_{1,0,1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$

$b^r_{1,0,2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2-2\phi_3)+b^r_{1,0,2,0,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+$
$2\phi_2-2\phi_4)+b^r_{1,0,2,0,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2+2\phi_5)+$

$b^r_{1,0,4,0,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1+4\phi_2)+b^r_{1,1,-2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1-2\phi_2)+$

$b^r_{1,1,0,0,0,0,0,0,-2,0}\rho_1^3\rho_5^2\cos(\phi_1-2\phi_5)+b^r_{1,1,0,0,0,0,0,2,0,0,0}\rho_1^3\rho_4^2\cos(\phi_1+2\phi_4)+$

$b^r_{1,1,0,0,2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1+2\phi_3)+b^r_{2,0,-1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\cos(-2\phi_1+\phi_2+2\phi_5)+$

$b^r_{2,0,-1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1-\phi_2+2\phi_4)+b^r_{2,0,-1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1-$
$\phi_2+2\phi_3)+b^r_{2,0,-3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1-3\phi_2)+$

$b^r_{2,0,0,0,-1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{2,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3+\phi_4-\phi_5)+$

$b^r_{2,0,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2-2\phi_3)+b^r_{2,0,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+$
$\phi_2-2\phi_4)+b^r_{2,0,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+\phi_2+2\phi_5)+$

$b^r_{2,0,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1+3\phi_2)+b^r_{3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1-2\phi_3)+$

$b^r_{3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(3\phi_1-2\phi_4)+b^r_{3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(3\phi_1+2\phi_5)+$

$b^r_{3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1+2\phi_2)+b^r_{4,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(4\phi_1+\phi_2)+$

$b^r_{5,0,0,0,0,0,0,0,0,0}\rho_1^5\cos(5\phi_1)$

$H^{(5)}_{XY}=b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,-1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2+\phi_3-\phi_4-\phi_5)+$

$b^r_{-1,0,-1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2-\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,-2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1+2\phi_2+2\phi_3)+b^r_{-1,0,-2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1+$
$2\phi_2+2\phi_4)+b^r_{-1,0,-2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1+2\phi_2-2\phi_5)+$

$b^r_{-1,0,0,0,-2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\sin(\phi_1+2\phi_3+2\phi_5)+b^r_{-1,0,0,0,-2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1+$
$2\phi_3-2\phi_4)+b^r_{-1,0,0,0,0,0,-2,0,-2,0}\rho_1\rho_4^2\rho_5^2\sin(\phi_1+2\phi_4+2\phi_5)+$

$b^r_{-1,0,0,0,0,0,0,0,0,2}\rho_1\rho_5^4\sin(\phi_1)+b^r_{-1,0,0,0,0,0,0,1,0,1}\rho_1\rho_4^2\rho_5^2\sin(\phi_1)+$

$b^r_{-1,0,0,0,0,0,0,2,0,0}\rho_1\rho_4^4\sin(\phi_1)-b^r_{-1,0,0,0,0,0,2,0,2,0}\rho_1\rho_4^2\rho_5^2\sin(-\phi_1+2\phi_4+2\phi_5)+$

$b^r_{-1,0,0,0,0,1,0,0,0,1}\rho_1\rho_3^2\rho_5^2\sin(\phi_1)+b^r_{-1,0,0,0,0,1,0,1,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1)+$

$$b^r_{-1,0,0,0,0,2,0,0,0,0}\rho_1\rho_3^4\sin(\phi_1) + b^r_{-1,0,0,0,2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1 - 2\phi_3 + 2\phi_4) -$$

$$b^r_{-1,0,0,0,2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\sin(-\phi_1 + 2\phi_3 + 2\phi_5) + b^r_{-1,0,0,1,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\sin(\phi_1) +$$

$$b^r_{-1,0,0,1,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1) + b^r_{-1,0,0,1,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1) +$$

$$b^r_{-1,0,0,2,0,0,0,0,0,0}\rho_1\rho_2^4\sin(\phi_1) + b^r_{-1,0,1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 - \phi_2 + \phi_3 - \phi_4 + $$

$$\phi_5) + b^r_{-1,0,1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 - \phi_2 - \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{-1,0,1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(-\phi_1 + \phi_2 + \phi_3 + \phi_4 + \phi_5) +$$

$$b^r_{-1,0,2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1 - 2\phi_2 + 2\phi_5) - b^r_{-1,0,2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(-\phi_1 + $$

$$2\phi_2 + 2\phi_4) - b^r_{-1,0,2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(-\phi_1 + 2\phi_2 + 2\phi_3) +$$

$$b^r_{-1,1,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\sin(\phi_1) + b^r_{-1,1,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\sin(\phi_1) +$$

$$b^r_{-1,1,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\sin(\phi_1) + b^r_{-1,1,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(\phi_1) +$$

$$b^r_{-1,2,0,0,0,0,0,0,0,0}\rho_1^5\sin(\phi_1) + b^r_{-2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1 + \phi_2 + 2\phi_3) +$$

$$b^r_{-2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1 + \phi_2 + 2\phi_4) + b^r_{-2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\sin(2\phi_1 + $$

$$\phi_2 - 2\phi_5) + b^r_{-2,0,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_3 + \phi_4 + \phi_5) +$$

$$b^r_{-2,0,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_3 - \phi_4 - \phi_5) +$$

$$b^r_{-2,0,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 - \phi_3 + \phi_4 - \phi_5) +$$

$$b^r_{-2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\sin(2\phi_1 - \phi_2) + b^r_{-2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1 - \phi_2) +$$

$$b^r_{-2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1 - \phi_2) + b^r_{-2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(2\phi_1 - \phi_2) +$$

$$b^r_{-2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\sin(2\phi_1 - \phi_2) + b^r_{-3,0,0,0,0,-2,0,0,0,0}\rho_1^3\rho_3^2\sin(3\phi_1 + 2\phi_3) +$$

$$b^r_{-3,0,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\sin(3\phi_1 + 2\phi_4) + b^r_{-3,0,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\sin(3\phi_1 - 2\phi_5) +$$

$$b^r_{-3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(3\phi_1 - 2\phi_2) + b^r_{0,0,-1,0,-2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\sin(\phi_2 + 2\phi_3 + $$

$$2\phi_5) + b^r_{0,0,-1,0,-2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2 + 2\phi_3 - 2\phi_4) +$$

$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}\rho_2\rho_4^2\rho_5^2\sin(\phi_2 + 2\phi_4 + 2\phi_5) + b^r_{0,0,-1,0,0,0,0,0,0,2}\rho_2\rho_5^4\sin(\phi_2) +$$

$$b^r_{0,0,-1,0,0,0,0,1,0,1}\rho_2\rho_4^2\rho_5^2\sin(\phi_2) + b^r_{0,0,-1,0,0,0,2,0,0,0}\rho_2\rho_4^4\sin(\phi_2) -$$

$$b^r_{0,0,-1,0,0,0,2,0,2,0}\rho_2\rho_4^2\rho_5^2\sin(-\phi_2 + 2\phi_4 + 2\phi_5) + b^r_{0,0,-1,0,0,1,0,0,0,1}\rho_2\rho_3^2\rho_5^2\sin(\phi_2) +$$

$$b^r_{0,0,-1,0,0,1,0,1,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2) + b^r_{0,0,-1,0,0,2,0,0,0,0}\rho_2\rho_3^4\sin(\phi_2) +$$

$$b^r_{0,0,-1,0,2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2 - 2\phi_3 + 2\phi_4) - b^r_{0,0,-1,0,2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\sin(-\phi_2 + $$

$$2\phi_3 + 2\phi_5) + b^r_{0,0,-1,1,0,0,0,0,0,1}\rho_2^3\rho_5^2\sin(\phi_2) + b^r_{0,0,-1,1,0,0,0,1,0,0}\rho_2^3\rho_4^2\sin(\phi_2) +$$

$$b^r_{0,0,-1,1,0,1,0,0,0,0}\rho_2^3\rho_3^2\sin(\phi_2) + b^r_{0,0,-1,2,0,0,0,0,0,0}\rho_2^5\sin(\phi_2) +$$

$$b^r_{0,0,-2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 + \phi_3 + \phi_4 + \phi_5) +$$

$$b^r_{0,0,-2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$b^r_{0,0,-2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 - \phi_3 + \phi_4 - \phi_5) +$$

$$b^r_{0,0,-3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\sin(3\phi_2 + 2\phi_3) + b^r_{0,0,-3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\sin(3\phi_2 + 2\phi_4) +$$

$$b^r_{0,0,-3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\sin(3\phi_2 - 2\phi_5) + b^r_{0,0,0,0,-1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\sin(\phi_3 + \phi_4 + 3\phi_5) +$$

$$b^r_{0,0,0,0,-1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\sin(\phi_3 + \phi_4 - 3\phi_5) + b^r_{0,0,0,0,-1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\sin(\phi_3 + 3\phi_4 - $$

$$\phi_5) + b^r_{0,0,0,0,-1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\sin(\phi_3 - \phi_4 + \phi_5) + b^r_{0,0,0,0,-1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\sin(\phi_3 - $$

$$\phi_4 + \phi_5) - b^r_{0,0,0,0,-1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\sin(-\phi_3 + 3\phi_4 + \phi_5) +$$

$$b^r_{0,0,0,0,-1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\sin(\phi_3 - \phi_4 + \phi_5) + b^r_{0,0,0,0,-3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\sin(3\phi_3 + \phi_4 - $$

$$\phi_5) + b^r_{0,0,0,0,1,0,-1,0,-1,1}\rho_3\rho_4\rho_5^3\sin(-\phi_3 + \phi_4 + \phi_5) + b^r_{0,0,0,0,1,0,-1,1,-1,0}\rho_3\rho_4^3\rho_5\sin(-\phi_3 + $$

$$\phi_4 + \phi_5) - b^r_{0,0,0,0,1,0,1,0,1,1}\rho_3\rho_4\rho_5^3\sin(\phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,0,0,1,0,1,1,1,0}\rho_3\rho_4^3\rho_5\sin(\phi_3 + \phi_4 + \phi_5) + b^r_{0,0,0,0,1,1,-1,0,-1,0}\rho_3^3\rho_4\rho_5\sin(-\phi_3 + \phi_4 + $$

$$\phi_5) - b^r_{0,0,0,0,1,1,1,0,1,0}\rho_3^3\rho_4\rho_5\sin(\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,0,3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\sin(3\phi_3 - $$

$$\phi_4 + \phi_5) + b^r_{0,0,0,1,-1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_3 - \phi_4 + \phi_5) +$$

$$b^r_{0,0,0,1,1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_3+\phi_4+\phi_5) - b^r_{0,0,0,1,1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_3+$$
$$\phi_4+\phi_5) + b^r_{0,0,1,0,-2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(-\phi_2+2\phi_3+2\phi_4)-$$
$$b^r_{0,0,1,0,-2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\sin(\phi_2-2\phi_3+2\phi_5) - b^r_{0,0,1,0,-4,0,0,0,0,0}\rho_2\rho_3^4\sin(\phi_2-4\phi_3)-$$
$$b^r_{0,0,1,0,0,0,-2,0,2,0}\rho_2\rho_4^2\rho_5^2\sin(\phi_2-2\phi_4+2\phi_5) - b^r_{0,0,1,0,0,0,-4,0,0,0}\rho_2\rho_4^4\sin(\phi_2-4\phi_4)-$$
$$b^r_{0,0,1,0,0,0,0,0,-2,1}\rho_2\rho_5^4\sin(\phi_2-2\phi_5) - b^r_{0,0,1,0,0,0,0,0,4,0}\rho_2\rho_5^4\sin(\phi_2+4\phi_5)-$$
$$b^r_{0,0,1,0,0,0,0,1,-2,0}\rho_2\rho_4^2\rho_5^2\sin(\phi_2-2\phi_5) - b^r_{0,0,1,0,0,0,2,0,0,1}\rho_2\rho_4^2\rho_5^2\sin(\phi_2+2\phi_4)-$$
$$b^r_{0,0,1,0,0,0,2,1,0,0}\rho_2\rho_4^4\sin(\phi_2+2\phi_4) - b^r_{0,0,1,0,0,1,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\sin(\phi_2-2\phi_5)-$$
$$b^r_{0,0,1,0,0,1,2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2+2\phi_4) - b^r_{0,0,1,0,2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\sin(\phi_2+2\phi_3)-$$
$$b^r_{0,0,1,0,2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2+2\phi_3) - b^r_{0,0,1,0,2,1,0,0,0,0}\rho_2\rho_3^4\sin(\phi_2+2\phi_3)-$$
$$b^r_{0,0,1,1,0,0,0,0,-2,0}\rho_2^3\rho_5^2\sin(\phi_2-2\phi_5) - b^r_{0,0,1,1,0,0,2,0,0,0}\rho_2^3\rho_4^2\sin(\phi_2+2\phi_4)-$$
$$b^r_{0,0,1,1,2,0,0,0,0,0}\rho_2^3\rho_3^2\sin(\phi_2+2\phi_3) - b^r_{0,0,2,0,-1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2-\phi_3-\phi_4+$$
$$\phi_5) - b^r_{0,0,2,0,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2+\phi_3+\phi_4-\phi_5)-$$
$$b^r_{0,0,3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\sin(3\phi_2-2\phi_3) - b^r_{0,0,3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\sin(3\phi_2-2\phi_4)-$$
$$b^r_{0,0,3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\sin(3\phi_2+2\phi_5) - b^r_{0,0,5,0,0,0,0,0,0,0}\rho_2^5\sin(5\phi_2)+$$
$$b^r_{0,1,-1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\sin(\phi_2) + b^r_{0,1,-1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\sin(\phi_2)+$$
$$b^r_{0,1,-1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(\phi_2) + b^r_{0,1,-1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(\phi_2)+$$
$$b^r_{0,1,0,0,0,-1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(\phi_3-\phi_4+\phi_5) + b^r_{0,1,0,0,0,1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(-$$
$$\phi_3+\phi_4+\phi_5) - b^r_{0,1,0,0,0,1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(\phi_3+\phi_4+\phi_5)-$$
$$b^r_{0,1,1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\sin(\phi_2-2\phi_5) - b^r_{0,1,1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(\phi_2+2\phi_4)-$$
$$b^r_{0,1,1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(\phi_2+2\phi_3) + b^r_{0,2,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\sin(\phi_2)+$$
$$b^r_{1,0,-1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(-\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$$
$$b^r_{1,0,-1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(-\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,0,-1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,0,-2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\sin(\phi_1-2\phi_2) - b^r_{1,0,-2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1-2\phi_2)-$$
$$b^r_{1,0,-2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1-2\phi_2) - b^r_{1,0,-2,1,0,0,0,0,0,0}\rho_1\rho_2^4\sin(\phi_1-2\phi_2)+$$
$$b^r_{1,0,0,0,-2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(-\phi_1+2\phi_3+2\phi_4) - b^r_{1,0,0,0,-2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\sin(\phi_1-$$
$$2\phi_3+2\phi_5) - b^r_{1,0,0,0,-4,0,0,0,0,0}\rho_1\rho_3^4\sin(\phi_1-4\phi_3) - b^r_{1,0,0,0,0,0,-2,0,2,0}\rho_1\rho_4^2\rho_5^2\sin(\phi_1-$$
$$2\phi_4+2\phi_5) - b^r_{1,0,0,0,0,0,-4,0,0,0}\rho_1\rho_4^4\sin(\phi_1-4\phi_4) - b^r_{1,0,0,0,0,0,0,0,-2,1}\rho_1\rho_5^4\sin(\phi_1-2\phi_5)-$$
$$b^r_{1,0,0,0,0,0,0,0,4,0}\rho_1\rho_5^4\sin(\phi_1+4\phi_5) - b^r_{1,0,0,0,0,0,0,1,-2,0}\rho_1\rho_4^2\rho_5^2\sin(\phi_1-2\phi_5)-$$
$$b^r_{1,0,0,0,0,0,2,0,0,1}\rho_1\rho_4^2\rho_5^2\sin(\phi_1+2\phi_4) - b^r_{1,0,0,0,0,0,2,1,0,0}\rho_1\rho_4^4\sin(\phi_1+2\phi_4)-$$
$$b^r_{1,0,0,0,0,1,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\sin(\phi_1-2\phi_5) - b^r_{1,0,0,0,0,1,2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1+2\phi_4)-$$
$$b^r_{1,0,0,0,2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\sin(\phi_1+2\phi_3) - b^r_{1,0,0,0,2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1+2\phi_3)-$$
$$b^r_{1,0,0,0,2,1,0,0,0,0}\rho_1\rho_3^4\sin(\phi_1+2\phi_3) - b^r_{1,0,0,1,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1-2\phi_5)-$$
$$b^r_{1,0,0,1,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1+2\phi_4) - b^r_{1,0,0,1,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1+2\phi_3)-$$
$$b^r_{1,0,1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)-$$
$$b^r_{1,0,1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)-$$
$$b^r_{1,0,2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1+2\phi_2-2\phi_3) - b^r_{1,0,2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1+$$
$$2\phi_2-2\phi_4) - b^r_{1,0,2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1+2\phi_2+2\phi_5)-$$
$$b^r_{1,0,4,0,0,0,0,0,0,0}\rho_1\rho_2^4\sin(\phi_1+4\phi_2) - b^r_{1,1,-2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(\phi_1-2\phi_2)-$$
$$b^r_{1,1,0,0,0,0,0,0,-2,0}\rho_1^3\rho_5^2\sin(\phi_1-2\phi_5) - b^r_{1,1,0,0,0,0,2,0,0,0}\rho_1^3\rho_4^2\sin(\phi_1+2\phi_4)-$$
$$b^r_{1,1,0,0,2,0,0,0,0,0}\rho_1^3\rho_3^2\sin(\phi_1+2\phi_3) + b^r_{2,0,-1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\sin(-2\phi_1+\phi_2+2\phi_5)-$$
$$b^r_{2,0,-1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1-\phi_2+2\phi_4) - b^r_{2,0,-1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1-$$

$$\phi_2 + 2\phi_3) - b^r_{2,0,-3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(2\phi_1 - 3\phi_2)-$$

$$b^r_{2,0,0,0,-1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 - \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{2,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1 + \phi_2 - 2\phi_3) - b^r_{2,0,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1+$$

$$\phi_2 - 2\phi_4) - b^r_{2,0,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\sin(2\phi_1 + \phi_2 + 2\phi_5)-$$

$$b^r_{2,0,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(2\phi_1 + 3\phi_2) - b^r_{3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\sin(3\phi_1 - 2\phi_3)-$$

$$b^r_{3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\sin(3\phi_1 - 2\phi_4) - b^r_{3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\sin(3\phi_1 + 2\phi_5)-$$

$$b^r_{3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(3\phi_1 + 2\phi_2) - b^r_{4,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\sin(4\phi_1 + \phi_2)-$$

$$b^r_{5,0,0,0,0,0,0,0,0,0}\rho_1^5\sin(5\phi_1)$$

$$H^{(5)}_{YX} = b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 + \phi_2 + \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{-1,0,-1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 + \phi_2 + \phi_3 - \phi_4 - \phi_5)+$$

$$b^r_{-1,0,-1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 + \phi_2 - \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{-1,0,-2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1 + 2\phi_2 + 2\phi_3) + b^r_{-1,0,-2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1+$$

$$2\phi_2 + 2\phi_4) + b^r_{-1,0,-2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1 + 2\phi_2 - 2\phi_5)+$$

$$b^r_{-1,0,0,0,-2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\sin(\phi_1 + 2\phi_3 + 2\phi_5) + b^r_{-1,0,0,0,-2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1+$$

$$2\phi_3 - 2\phi_4) + b^r_{-1,0,0,0,0,0,-2,0,-2,0}\rho_1\rho_4^2\rho_5^2\sin(\phi_1 + 2\phi_4 + 2\phi_5)+$$

$$b^r_{-1,0,0,0,0,0,0,0,0,2}\rho_1\rho_5^4\sin(\phi_1) + b^r_{-1,0,0,0,0,0,0,1,0,1}\rho_1\rho_4^2\rho_5^2\sin(\phi_1)+$$

$$b^r_{-1,0,0,0,0,0,0,2,0,0}\rho_1\rho_4^4\sin(\phi_1) - b^r_{-1,0,0,0,0,0,2,0,2,0}\rho_1\rho_4^2\rho_5^2\sin(-\phi_1 + 2\phi_4 + 2\phi_5)+$$

$$b^r_{-1,0,0,0,0,1,0,0,0,1}\rho_1\rho_3^2\rho_5^2\sin(\phi_1) + b^r_{-1,0,0,0,0,1,0,1,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1)+$$

$$b^r_{-1,0,0,0,2,0,0,0,0,0}\rho_1\rho_3^4\sin(\phi_1) + b^r_{-1,0,0,0,2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1 - 2\phi_3 + 2\phi_4)-$$

$$b^r_{-1,0,0,0,2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\sin(-\phi_1 + 2\phi_3 + 2\phi_5) + b^r_{-1,0,0,1,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\sin(\phi_1)+$$

$$b^r_{-1,0,0,1,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1) + b^r_{-1,0,0,1,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1)+$$

$$b^r_{-1,0,0,2,0,0,0,0,0,0}\rho_1\rho_2^4\sin(\phi_1) + b^r_{-1,0,1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 - \phi_2 + \phi_3 - \phi_4+$$

$$\phi_5) + b^r_{-1,0,1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1 - \phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{-1,0,1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(-\phi_1 + \phi_2 + \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{-1,0,2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1 - 2\phi_2 + 2\phi_5) - b^r_{-1,0,2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(-\phi_1+$$

$$2\phi_2 + 2\phi_4) - b^r_{-1,0,2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(-\phi_1 + 2\phi_2 + 2\phi_3)+$$

$$b^r_{-1,1,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\sin(\phi_1) + b^r_{-1,1,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\sin(\phi_1)+$$

$$b^r_{-1,1,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\sin(\phi_1) + b^r_{-1,1,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(\phi_1)+$$

$$b^r_{-1,2,0,0,0,0,0,0,0,0}\rho_1^5\sin(\phi_1) + b^r_{-2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1 + \phi_2 + 2\phi_3)+$$

$$b^r_{-2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1 + \phi_2 + 2\phi_4) + b^r_{-2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\sin(2\phi_1+$$

$$\phi_2 - 2\phi_5) + b^r_{-2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{-2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_3 - \phi_4 - \phi_5)+$$

$$b^r_{-2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1 - \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{-2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\sin(2\phi_1 - \phi_2) + b^r_{-2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1 - \phi_2)+$$

$$b^r_{-2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1 - \phi_2) + b^r_{-2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(2\phi_1 - \phi_2)+$$

$$b^r_{-2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\sin(2\phi_1 - \phi_2) + b^r_{-3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\sin(3\phi_1 + 2\phi_3)+$$

$$b^r_{-3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\sin(3\phi_1 + 2\phi_4) + b^r_{-3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\sin(3\phi_1 - 2\phi_5)+$$

$$b^r_{-3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(3\phi_1 - 2\phi_2) + b^r_{0,0,-1,0,-2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\sin(\phi_2 + 2\phi_3+$$

$$2\phi_5) + b^r_{0,0,-1,0,-2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2 + 2\phi_3 - 2\phi_4)+$$

$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}\rho_2\rho_4^2\rho_5^2\sin(\phi_2 + 2\phi_4 + 2\phi_5) + b^r_{0,0,-1,0,0,0,0,0,0,2}\rho_2\rho_5^4\sin(\phi_2)+$$

$$b^r_{0,0,-1,0,0,0,0,1,0,1}\rho_2\rho_4^2\rho_5^2\sin(\phi_2) + b^r_{0,0,-1,0,0,0,0,2,0,0}\rho_2\rho_4^4\sin(\phi_2) -$$

$$b^r_{0,0,-1,0,0,0,2,0,2,0}\rho_2\rho_4^2\rho_5^2\sin(-\phi_2 + 2\phi_4 + 2\phi_5) + b^r_{0,0,-1,0,0,1,0,0,0,1}\rho_2\rho_3^2\rho_5^2\sin(\phi_2) +$$

$$b^r_{0,0,-1,0,0,1,0,1,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2) + b^r_{0,0,-1,0,0,2,0,0,0,0}\rho_2\rho_3^4\sin(\phi_2) +$$

$$b^r_{0,0,-1,0,2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2 - 2\phi_3 + 2\phi_4) - b^r_{0,0,-1,0,2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\sin(-\phi_2 +$$

$$2\phi_3 + 2\phi_5) + b^r_{0,0,-1,1,0,0,0,0,0,1}\rho_2^3\rho_5^2\sin(\phi_2) + b^r_{0,0,-1,1,0,0,0,1,0,0}\rho_2^3\rho_4^2\sin(\phi_2) +$$

$$b^r_{0,0,-1,1,0,1,0,0,0,0}\rho_2^3\rho_3^2\sin(\phi_2) + b^r_{0,0,-1,2,0,0,0,0,0,0}\rho_2^5\sin(\phi_2) +$$

$$b^r_{0,0,-2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 + \phi_3 + \phi_4 + \phi_5) +$$

$$b^r_{0,0,-2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 + \phi_3 - \phi_4 - \phi_5) +$$

$$b^r_{0,0,-2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 - \phi_3 + \phi_4 - \phi_5) +$$

$$b^r_{0,0,-3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\sin(3\phi_2 + 2\phi_3) + b^r_{0,0,-3,0,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\sin(3\phi_2 + 2\phi_4) +$$

$$b^r_{0,0,-3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\sin(3\phi_2 - 2\phi_5) + b^r_{0,0,0,0,-1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\sin(\phi_3 + \phi_4 + 3\phi_5) +$$

$$b^r_{0,0,0,0,-1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\sin(\phi_3 + \phi_4 - 3\phi_5) + b^r_{0,0,0,0,-1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\sin(\phi_3 + 3\phi_4 -$$

$$\phi_5) + b^r_{0,0,0,0,-1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\sin(\phi_3 - \phi_4 + \phi_5) + b^r_{0,0,0,0,-1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\sin(\phi_3 -$$

$$\phi_4 + \phi_5) - b^r_{0,0,0,0,-1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\sin(-\phi_3 + 3\phi_4 + \phi_5) +$$

$$b^r_{0,0,0,0,-1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\sin(\phi_3 - \phi_4 + \phi_5) + b^r_{0,0,0,0,-3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\sin(3\phi_3 + \phi_4 -$$

$$\phi_5) + b^r_{0,0,0,0,1,0,-1,0,-1,1}\rho_3\rho_4\rho_5^3\sin(-\phi_3 + \phi_4 + \phi_5) + b^r_{0,0,0,0,1,0,-1,1,-1,0}\rho_3\rho_4^3\rho_5\sin(-\phi_3 +$$

$$\phi_4 + \phi_5) - b^r_{0,0,0,0,1,0,1,0,1,1}\rho_3\rho_4\rho_5^3\sin(\phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,0,0,1,0,1,1,1,0}\rho_3\rho_4^3\rho_5\sin(\phi_3 + \phi_4 + \phi_5) + b^r_{0,0,0,0,1,1,-1,0,-1,0}\rho_3^3\rho_4\rho_5\sin(-\phi_3 + \phi_4 +$$

$$\phi_5) - b^r_{0,0,0,0,1,1,1,0,1,0}\rho_3^3\rho_4\rho_5\sin(\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,0,3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\sin(3\phi_3 -$$

$$\phi_4 + \phi_5) + b^r_{0,0,0,1,-1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_3 - \phi_4 + \phi_5) +$$

$$b^r_{0,0,0,1,1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,1,1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_3 +$$

$$\phi_4 + \phi_5) + b^r_{0,0,1,0,-2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(-\phi_2 + 2\phi_3 + 2\phi_4) -$$

$$b^r_{0,0,1,0,-2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\sin(\phi_2 - 2\phi_3 + 2\phi_5) - b^r_{0,0,1,0,-4,0,0,0,0,0}\rho_2\rho_3^4\sin(\phi_2 - 4\phi_3) -$$

$$b^r_{0,0,1,0,0,0,-2,0,2,0}\rho_2\rho_4^2\rho_5^2\sin(\phi_2 - 2\phi_4 + 2\phi_5) - b^r_{0,0,1,0,0,0,-4,0,0,0}\rho_2\rho_4^4\sin(\phi_2 - 4\phi_4) -$$

$$b^r_{0,0,1,0,0,0,0,0,-2,1}\rho_2\rho_5^4\sin(\phi_2 - 2\phi_5) - b^r_{0,0,1,0,0,0,0,0,4,0}\rho_2\rho_5^4\sin(\phi_2 + 4\phi_5) -$$

$$b^r_{0,0,1,0,0,0,0,1,-2,0}\rho_2\rho_4^2\rho_5^2\sin(\phi_2 - 2\phi_5) - b^r_{0,0,1,0,0,0,2,0,0,1}\rho_2\rho_4^2\rho_5^2\sin(\phi_2 + 2\phi_4) -$$

$$b^r_{0,0,1,0,0,0,2,1,0,0}\rho_2\rho_4^4\sin(\phi_2 + 2\phi_4) - b^r_{0,0,1,0,0,1,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\sin(\phi_2 - 2\phi_5) -$$

$$b^r_{0,0,1,0,0,1,2,0,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2 + 2\phi_4) - b^r_{0,0,1,0,2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\sin(\phi_2 + 2\phi_3) -$$

$$b^r_{0,0,1,0,2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\sin(\phi_2 + 2\phi_3) - b^r_{0,0,1,0,2,1,0,0,0,0}\rho_2\rho_3^4\sin(\phi_2 + 2\phi_3) -$$

$$b^r_{0,0,1,1,0,0,0,0,-2,0}\rho_2^3\rho_5^2\sin(\phi_2 - 2\phi_5) - b^r_{0,0,1,1,0,0,0,2,0,0,0}\rho_2^3\rho_4^2\sin(\phi_2 + 2\phi_4) -$$

$$b^r_{0,0,1,1,2,0,0,0,0,0}\rho_2^3\rho_3^2\sin(\phi_2 + 2\phi_3) - b^r_{0,0,2,0,-1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 - \phi_3 - \phi_4 +$$

$$\phi_5) - b^r_{0,0,2,0,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\sin(2\phi_2 + \phi_3 + \phi_4 - \phi_5) -$$

$$b^r_{0,0,3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\sin(3\phi_2 - 2\phi_3) - b^r_{0,0,3,0,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\sin(3\phi_2 - 2\phi_4) -$$

$$b^r_{0,0,3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\sin(3\phi_2 + 2\phi_5) - b^r_{0,0,5,0,0,0,0,0,0,0}\rho_2^5\sin(5\phi_2) +$$

$$b^r_{0,1,-1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\sin(\phi_2) + b^r_{0,1,-1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\sin(\phi_2) +$$

$$b^r_{0,1,-1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(\phi_2) + b^r_{0,1,-1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(\phi_2) +$$

$$b^r_{0,1,0,0,-1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(\phi_3 - \phi_4 + \phi_5) + b^r_{0,1,0,0,1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(-$$

$$\phi_3 + \phi_4 + \phi_5) - b^r_{0,1,0,0,1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(\phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,1,1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\sin(\phi_2 - 2\phi_5) - b^r_{0,1,1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(\phi_2 + 2\phi_4) -$$

$$b^r_{0,1,1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(\phi_2 + 2\phi_3) + b^r_{0,2,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\sin(\phi_2) +$$

$$b^r_{1,0,-1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(-\phi_1 + \phi_2 + \phi_3 - \phi_4 + \phi_5) +$$

$$b^r_{1,0,-1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(-\phi_1 + \phi_2 - \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{1,0,-1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,-2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\sin(\phi_1-2\phi_2)-b^r_{1,0,-2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1-2\phi_2)-$$

$$b^r_{1,0,-2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1-2\phi_2)-b^r_{1,0,-2,1,0,0,0,0,0,0}\rho_1\rho_2^4\sin(\phi_1-2\phi_2)+$$

$$b^r_{1,0,0,0,-2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(-\phi_1+2\phi_3+2\phi_4)-b^r_{1,0,0,0,-2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\sin(\phi_1-$$
$$2\phi_3+2\phi_5)-b^r_{1,0,0,0,-4,0,0,0,0,0}\rho_1\rho_3^4\sin(\phi_1-4\phi_3)-b^r_{1,0,0,0,0,0,-2,0,2,0}\rho_1\rho_4^2\rho_5^2\sin(\phi_1-$$
$$2\phi_4+2\phi_5)-b^r_{1,0,0,0,0,0,-4,0,0,0}\rho_1\rho_4^4\sin(\phi_1-4\phi_4)-b^r_{1,0,0,0,0,0,0,0,-2,1}\rho_1\rho_5^4\sin(\phi_1-2\phi_5)-$$

$$b^r_{1,0,0,0,0,0,0,0,4,0}\rho_1\rho_5^4\sin(\phi_1+4\phi_5)-b^r_{1,0,0,0,0,0,0,0,1,-2,0}\rho_1\rho_4^2\rho_5^2\sin(\phi_1-2\phi_5)-$$

$$b^r_{1,0,0,0,0,0,2,0,0,1}\rho_1\rho_4^2\rho_5^2\sin(\phi_1+2\phi_4)-b^r_{1,0,0,0,0,0,2,1,0,0}\rho_1\rho_4^4\sin(\phi_1+2\phi_4)-$$

$$b^r_{1,0,0,0,0,1,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\sin(\phi_1-2\phi_5)-b^r_{1,0,0,0,0,1,2,0,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1+2\phi_4)-$$

$$b^r_{1,0,0,0,2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\sin(\phi_1+2\phi_3)-b^r_{1,0,0,0,2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\sin(\phi_1+2\phi_3)-$$

$$b^r_{1,0,0,0,2,1,0,0,0,0}\rho_1\rho_3^4\sin(\phi_1+2\phi_3)-b^r_{1,0,0,1,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1-2\phi_5)-$$

$$b^r_{1,0,0,1,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1+2\phi_4)-b^r_{1,0,0,1,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1+2\phi_3)-$$

$$b^r_{1,0,1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{1,0,1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{1,0,2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\sin(\phi_1+2\phi_2-2\phi_3)-b^r_{1,0,2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\sin(\phi_1+$$
$$2\phi_2-2\phi_4)-b^r_{1,0,2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\sin(\phi_1+2\phi_2+2\phi_5)-$$

$$b^r_{1,0,4,0,0,0,0,0,0,0}\rho_1\rho_2^4\sin(\phi_1+4\phi_2)-b^r_{1,1,-2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(\phi_1-2\phi_2)-$$

$$b^r_{1,1,0,0,0,0,0,0,-2,0}\rho_1^3\rho_5^2\sin(\phi_1-2\phi_5)-b^r_{1,1,0,0,0,0,2,0,0,0}\rho_1^3\rho_4^2\sin(\phi_1+2\phi_4)-$$

$$b^r_{1,1,0,0,2,0,0,0,0,0}\rho_1^3\rho_3^2\sin(\phi_1+2\phi_3)+b^r_{2,0,-1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\sin(-2\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{2,0,-1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1-\phi_2+2\phi_4)-b^r_{2,0,-1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1-$$
$$\phi_2+2\phi_3)-b^r_{2,0,-3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(2\phi_1-3\phi_2)-$$

$$b^r_{2,0,0,0,-1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{2,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\sin(2\phi_1+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{2,0,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\sin(2\phi_1+\phi_2-2\phi_3)-b^r_{2,0,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\sin(2\phi_1+$$
$$\phi_2-2\phi_4)-b^r_{2,0,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\sin(2\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{2,0,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\sin(2\phi_1+3\phi_2)-b^r_{3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\sin(3\phi_1-2\phi_3)-$$

$$b^r_{3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\sin(3\phi_1-2\phi_4)-b^r_{3,0,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\sin(3\phi_1+2\phi_5)-$$

$$b^r_{3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\sin(3\phi_1+2\phi_2)-b^r_{4,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\sin(4\phi_1+\phi_2)-$$

$$b^r_{5,0,0,0,0,0,0,0,0,0}\rho_1^5\sin(5\phi_1)$$

$$H^{(5)}_{YY}=a^r_{0,0,0,0,1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\cos(-\phi_3+\phi_4+3\phi_5)+a^r_{0,0,0,0,1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3-\phi_4+$$
$$3\phi_5)+a^r_{0,0,0,0,1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3-3\phi_4+\phi_5)+a^r_{0,0,0,0,1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3+$$
$$\phi_4-\phi_5)+a^r_{0,0,0,0,1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,0,0,1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+3\phi_4+\phi_5)+a^r_{0,0,0,0,1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3+\phi_4-$$
$$\phi_5)+a^r_{0,0,0,0,3,0,-1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(-3\phi_3+\phi_4+\phi_5)+a^r_{0,0,0,0,3,0,1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3+$$
$$\phi_4+\phi_5)+a^r_{0,0,0,1,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,-2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2-2\phi_3)+a^r_{0,0,1,0,-2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2-2\phi_3)+$$

$$a^r_{0,0,1,0,-2,1,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2-2\phi_3)+a^r_{0,0,1,0,0,0,-2,0,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2-2\phi_4)+$$

$$a^r_{0,0,1,0,0,0,-2,1,0,0}\rho_2\rho_4^4\cos(\phi_2-2\phi_4)+a^r_{0,0,1,0,0,0,0,0,0,-4,0}\rho_2\rho_5^4\cos(\phi_2-4\phi_5)+$$

$$a^r_{0,0,1,0,0,0,0,0,2,1}\rho_2\rho_5^4\cos(\phi_2+2\phi_5)+a^r_{0,0,1,0,0,0,0,1,2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+2\phi_5)+$$

$$a^r_{0,0,1,0,0,0,2,0,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+2\phi_4-2\phi_5)+a^r_{0,0,1,0,0,0,4,0,0,0}\rho_2\rho_4^4\cos(\phi_2+4\phi_4)+$$

$$a^r_{0,0,1,0,0,1,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2-2\phi_4)+a^r_{0,0,1,0,0,1,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_5)+$$

$a^r_{0,0,1,0,2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_3-2\phi_5)+a^r_{0,0,1,0,2,0,2,0,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2+$

$2\phi_3+2\phi_4)+a^r_{0,0,1,0,4,0,0,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2+4\phi_3)+a^r_{0,0,1,1,-2,0,0,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2-2\phi_3)+$

$a^r_{0,0,1,1,0,0,-2,0,0,0,0}\rho_2^3\rho_4^2\cos(\phi_2-2\phi_4)+a^r_{0,0,1,1,0,0,0,0,2,0,0}\rho_2^3\rho_5^2\cos(\phi_2+2\phi_5)+$

$a^r_{0,0,2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(-2\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{0,0,2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{0,0,2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3-\phi_4+\phi_5)+a^r_{0,0,3,0,0,0,0,0,0,0,1}\rho_2^3\rho_5^2\cos(3\phi_2)+$

$a^r_{0,0,3,0,0,0,0,0,1,0,0}\rho_2^3\rho_4^2\cos(3\phi_2)+a^r_{0,0,3,0,0,0,1,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2)+$

$a^r_{0,0,3,1,0,0,0,0,0,0,0}\rho_2^5\cos(3\phi_2)+a^r_{0,1,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3+\phi_4-\phi_5)+$

$a^r_{0,1,1,0,-2,0,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2-2\phi_3)+a^r_{0,1,1,0,0,0,-2,0,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2-2\phi_4)+$

$a^r_{0,1,1,0,0,0,0,0,2,0,0}\rho_1^2\rho_2\rho_5^2\cos(\phi_2+2\phi_5)+a^r_{0,1,3,0,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(3\phi_2)+$

$a^r_{1,0,-1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,-1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,-2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(-\phi_1+2\phi_2+2\phi_5)+a^r_{1,0,-2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-$

$2\phi_2+2\phi_4)+a^r_{1,0,-2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_2+2\phi_3)+$

$a^r_{1,0,-4,0,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1-4\phi_2)+a^r_{1,0,0,0,-2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1-2\phi_3)+$

$a^r_{1,0,0,0,-2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_3)+a^r_{1,0,0,0,-2,1,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1-2\phi_3)+$

$a^r_{1,0,0,0,0,0,-2,0,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1-2\phi_4)+a^r_{1,0,0,0,0,0,-2,1,0,0}\rho_1\rho_4^4\cos(\phi_1-2\phi_4)+$

$a^r_{1,0,0,0,0,0,0,0,-4,0}\rho_1\rho_5^4\cos(\phi_1-4\phi_5)+a^r_{1,0,0,0,0,0,0,0,2,1}\rho_1\rho_5^4\cos(\phi_1+2\phi_5)+$

$a^r_{1,0,0,0,0,0,0,1,2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,0,0,0,0,0,2,0,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_4-$

$2\phi_5)+a^r_{1,0,0,0,0,0,4,0,0,0}\rho_1\rho_4^4\cos(\phi_1+4\phi_4)+a^r_{1,0,0,0,0,1,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_4)+$

$a^r_{1,0,0,0,0,1,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,0,0,0,2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_3-$

$2\phi_5)+a^r_{1,0,0,0,2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+2\phi_3+2\phi_4)+a^r_{1,0,0,0,4,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1+$

$4\phi_3)+a^r_{1,0,0,1,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1-2\phi_3)+a^r_{1,0,0,1,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1-$

$2\phi_4)+a^r_{1,0,0,1,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,0,1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-$

$\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+a^r_{1,0,1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2)+a^r_{1,0,2,0,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+2\phi_2)+$

$a^r_{1,0,2,0,0,1,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2)+a^r_{1,0,2,1,0,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1+2\phi_2)+$

$a^r_{1,1,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1-2\phi_3)+a^r_{1,1,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(\phi_1-2\phi_4)+$

$a^r_{1,1,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(\phi_1+2\phi_5)+a^r_{1,1,2,0,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1+2\phi_2)+$

$a^r_{2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(-2\phi_1+\phi_2+2\phi_3)+a^r_{2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(-2\phi_1+$

$\phi_2+2\phi_4)+a^r_{2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1-\phi_2+2\phi_5)+$

$a^r_{2,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+\phi_2)+a^r_{2,0,1,0,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+\phi_2)+$

$a^r_{2,0,1,0,0,1,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2)+a^r_{2,0,1,1,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1+\phi_2)+$

$a^r_{2,1,1,0,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(2\phi_1+\phi_2)+a^r_{3,0,0,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\cos(3\phi_1)+$

$a^r_{3,0,0,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\cos(3\phi_1)+a^r_{3,0,0,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1)+$

$a^r_{3,0,0,1,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1)+a^r_{3,1,0,0,0,0,0,0,0,0,0}\rho_1^5\cos(3\phi_1)+$

$a^r_{4,0,-1,0,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(4\phi_1-\phi_2)-b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+$

$\phi_3+\phi_4+\phi_5)-b^r_{-1,0,-1,0,-1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3-\phi_4-\phi_5)-$

$$b^r_{-1,0,-1,0,1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3+\phi_4-\phi_5)-$$

$$b^r_{-1,0,-2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2+2\phi_3)-b^r_{-1,0,-2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+$$

$$2\phi_2+2\phi_4)-b^r_{-1,0,-2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2-2\phi_5)-$$

$$b^r_{-1,0,0,0,-2,0,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1+2\phi_3+2\phi_5)-b^r_{-1,0,0,0,-2,0,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1+$$

$$2\phi_3-2\phi_4)-b^r_{-1,0,0,0,0,0,-2,0,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1+2\phi_4+2\phi_5)-$$

$$b^r_{-1,0,0,0,0,0,0,0,0,2}\rho_1\rho_5^4\cos(\phi_1)-b^r_{-1,0,0,0,0,0,0,0,1,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1)-$$

$$b^r_{-1,0,0,0,0,0,0,0,2,0,0}\rho_1\rho_4^4\cos(\phi_1)-b^r_{-1,0,0,0,0,0,0,2,0,2,0}\rho_1\rho_4^2\rho_5^2\cos(-\phi_1+2\phi_4+2\phi_5)-$$

$$b^r_{-1,0,0,0,0,1,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1)-b^r_{-1,0,0,0,0,1,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1)-$$

$$b^r_{-1,0,0,0,2,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1)-b^r_{-1,0,0,0,2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1-2\phi_3+2\phi_4)-$$

$$b^r_{-1,0,0,0,2,0,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(-\phi_1+2\phi_3+2\phi_5)-b^r_{-1,0,0,1,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1)-$$

$$b^r_{-1,0,0,1,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1)-b^r_{-1,0,0,1,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1)-$$

$$b^r_{-1,0,0,2,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1)-b^r_{-1,0,1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2+\phi_3-\phi_4+$$

$$\phi_5)-b^r_{-1,0,1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,2,0,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1-2\phi_2+2\phi_5)-b^r_{-1,0,2,0,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(-\phi_1+$$

$$2\phi_2+2\phi_4)-b^r_{-1,0,2,0,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(-\phi_1+2\phi_2+2\phi_3)-$$

$$b^r_{-1,1,0,0,0,0,0,0,0,1}\rho_1^3\rho_5^2\cos(\phi_1)-b^r_{-1,1,0,0,0,0,0,0,1,0,0}\rho_1^3\rho_4^2\cos(\phi_1)-$$

$$b^r_{-1,1,0,0,0,1,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1)-b^r_{-1,1,0,1,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1)-$$

$$b^r_{-1,2,0,0,0,0,0,0,0,0}\rho_1^5\cos(\phi_1)-b^r_{-2,0,-1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2+2\phi_3)-$$

$$b^r_{-2,0,-1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+\phi_2+2\phi_4)-b^r_{-2,0,-1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+$$

$$\phi_2-2\phi_5)-b^r_{-2,0,0,0,0,-1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-2,0,0,0,-1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3-\phi_4-\phi_5)-$$

$$b^r_{-2,0,0,0,1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3+\phi_4-\phi_5)-$$

$$b^r_{-2,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1-\phi_2)-b^r_{-2,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1-\phi_2)-$$

$$b^r_{-2,0,1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1-\phi_2)-b^r_{-2,0,1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1-\phi_2)-$$

$$b^r_{-2,1,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(2\phi_1-\phi_2)-b^r_{-3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1+2\phi_3)-$$

$$b^r_{-3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(3\phi_1+2\phi_4)-b^r_{-3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(3\phi_1-2\phi_5)-$$

$$b^r_{-3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1-2\phi_2)-b^r_{0,0,-1,0,-2,0,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2+2\phi_3+$$

$$2\phi_5)-b^r_{0,0,-1,0,-2,0,2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2+2\phi_3-2\phi_4)-$$

$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2+2\phi_4+2\phi_5)-b^r_{0,0,-1,0,0,0,0,0,0,2}\rho_2\rho_5^4\cos(\phi_2)-$$

$$b^r_{0,0,-1,0,0,0,0,1,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2)-b^r_{0,0,-1,0,0,0,0,2,0,0}\rho_2\rho_4^4\cos(\phi_2)-$$

$$b^r_{0,0,-1,0,0,0,2,0,2,0}\rho_2\rho_4^2\rho_5^2\cos(-\phi_2+2\phi_4+2\phi_5)-b^r_{0,0,-1,0,0,1,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2)-$$

$$b^r_{0,0,-1,0,0,1,0,1,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2)-b^r_{0,0,-1,0,0,2,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2)-$$

$$b^r_{0,0,-1,0,2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2-2\phi_3+2\phi_4)-b^r_{0,0,-1,0,2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(-\phi_2+$$

$$2\phi_3+2\phi_5)-b^r_{0,0,-1,1,0,0,0,0,0,1}\rho_2^3\rho_5^2\cos(\phi_2)-b^r_{0,0,-1,1,0,0,0,1,0,0}\rho_2^3\rho_4^2\cos(\phi_2)-$$

$$b^r_{0,0,-1,1,0,1,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2)-b^r_{0,0,-1,2,0,0,0,0,0,0}\rho_2^5\cos(\phi_2)-$$

$$b^r_{0,0,-2,0,-1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,-2,0,-1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2+\phi_3-\phi_4-\phi_5)-$$

$$b^r_{0,0,-2,0,1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2-\phi_3+\phi_4-\phi_5)-$$

$$b^r_{0,0,-3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2+2\phi_3)-b^r_{0,0,-3,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\cos(3\phi_2+2\phi_4)-$$

$$b^r_{0,0,-3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\cos(3\phi_2-2\phi_5)-b^r_{0,0,0,0,-1,0,-1,0,-3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3+\phi_4+3\phi_5)-$$

$$b^r_{0,0,0,0,-1,0,-1,0,3,0}\rho_3\rho_4\rho_5^3\cos(\phi_3+\phi_4-3\phi_5)-b^r_{0,0,0,0,-1,0,-3,0,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3+3\phi_4-$$

$\phi_5) - b^r_{0,0,0,0,-1,0,1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3 - \phi_4 + \phi_5) - b^r_{0,0,0,0,-1,0,1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3 - $

$\phi_4 + \phi_5) - b^r_{0,0,0,0,-1,0,3,0,1,0}\rho_3\rho_4^3\rho_5\cos(-\phi_3 + 3\phi_4 + \phi_5) - $

$b^r_{0,0,0,0,-1,1,1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3 - \phi_4 + \phi_5) - b^r_{0,0,0,0,-3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3 + \phi_4 - $

$\phi_5) - b^r_{0,0,0,0,1,0,-1,0,-1,1}\rho_3\rho_4\rho_5^3\cos(-\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,0,1,0,-1,1,-1,0}\rho_3\rho_4^3\rho_5\cos(-\phi_3 + $

$\phi_4 + \phi_5) - b^r_{0,0,0,0,1,0,1,0,1,1}\rho_3\rho_4\rho_5^3\cos(\phi_3 + \phi_4 + \phi_5) - $

$b^r_{0,0,0,0,1,0,1,1,1,0}\rho_3\rho_4^3\rho_5\cos(\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,0,1,1,-1,0,-1,0}\rho_3^3\rho_4\rho_5\cos(-\phi_3 + \phi_4 + $

$\phi_5) - b^r_{0,0,0,0,1,1,1,0,1,0}\rho_3^3\rho_4\rho_5\cos(\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,0,3,0,-1,0,1,0}\rho_3^3\rho_4\rho_5\cos(3\phi_3 - $

$\phi_4 + \phi_5) - b^r_{0,0,0,1,-1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3 - \phi_4 + \phi_5) - $

$b^r_{0,0,0,1,1,0,-1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_3 + \phi_4 + \phi_5) - b^r_{0,0,0,1,1,0,1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_3 + $

$\phi_4 + \phi_5) - b^r_{0,0,1,0,-2,0,-2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(-\phi_2 + 2\phi_3 + 2\phi_4) - $

$b^r_{0,0,1,0,-2,0,0,0,2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2 - 2\phi_3 + 2\phi_5) - b^r_{0,0,1,0,-4,0,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2 - 4\phi_3) - $

$b^r_{0,0,1,0,0,0,-2,0,2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2 - 2\phi_4 + 2\phi_5) - b^r_{0,0,1,0,0,0,-4,0,0,0}\rho_2\rho_4^4\cos(\phi_2 - 4\phi_4) - $

$b^r_{0,0,1,0,0,0,0,0,-2,1}\rho_2\rho_5^4\cos(\phi_2 - 2\phi_5) - b^r_{0,0,1,0,0,0,0,0,4,0}\rho_2\rho_5^4\cos(\phi_2 + 4\phi_5) - $

$b^r_{0,0,1,0,0,0,0,1,-2,0}\rho_2\rho_4^2\rho_5^2\cos(\phi_2 - 2\phi_5) - b^r_{0,0,1,0,0,0,2,0,0,1}\rho_2\rho_4^2\rho_5^2\cos(\phi_2 + 2\phi_4) - $

$b^r_{0,0,1,0,0,0,2,1,0,0}\rho_2\rho_4^4\cos(\phi_2 + 2\phi_4) - b^r_{0,0,1,0,0,1,0,0,-2,0}\rho_2\rho_3^2\rho_5^2\cos(\phi_2 - 2\phi_5) - $

$b^r_{0,0,1,0,0,1,2,0,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2 + 2\phi_4) - b^r_{0,0,1,0,2,0,0,0,0,1}\rho_2\rho_3^2\rho_5^2\cos(\phi_2 + 2\phi_3) - $

$b^r_{0,0,1,0,2,0,0,1,0,0}\rho_2\rho_3^2\rho_4^2\cos(\phi_2 + 2\phi_3) - b^r_{0,0,1,0,2,1,0,0,0,0}\rho_2\rho_3^4\cos(\phi_2 + 2\phi_3) - $

$b^r_{0,0,1,1,0,0,0,0,-2,0}\rho_2^3\rho_5^2\cos(\phi_2 - 2\phi_5) - b^r_{0,0,1,1,0,0,2,0,0,0}\rho_2^3\rho_4^2\cos(\phi_2 + 2\phi_4) - $

$b^r_{0,0,1,1,2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(\phi_2 + 2\phi_3) - b^r_{0,0,2,0,-1,0,-1,0,1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2 - \phi_3 - \phi_4 + $

$\phi_5) - b^r_{0,0,2,0,1,0,1,0,-1,0}\rho_2^2\rho_3\rho_4\rho_5\cos(2\phi_2 + \phi_3 + \phi_4 - \phi_5) - $

$b^r_{0,0,3,0,-2,0,0,0,0,0}\rho_2^3\rho_3^2\cos(3\phi_2 - 2\phi_3) - b^r_{0,0,3,0,0,0,0,-2,0,0,0}\rho_2^3\rho_4^2\cos(3\phi_2 - 2\phi_4) - $

$b^r_{0,0,3,0,0,0,0,0,2,0}\rho_2^3\rho_5^2\cos(3\phi_2 + 2\phi_5) - b^r_{0,0,5,0,0,0,0,0,0,0}\rho_2^5\cos(5\phi_2) - $

$b^r_{0,1,-1,0,0,0,0,0,0,1}\rho_1^2\rho_2\rho_5^2\cos(\phi_2) - b^r_{0,1,-1,0,0,0,0,1,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2) - $

$b^r_{0,1,-1,0,0,1,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2) - b^r_{0,1,-1,1,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(\phi_2) - $

$b^r_{0,1,0,0,-1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3 - \phi_4 + \phi_5) - b^r_{0,1,0,0,1,0,-1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(- $

$\phi_3 + \phi_4 + \phi_5) - b^r_{0,1,0,0,1,0,1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(\phi_3 + \phi_4 + \phi_5) - $

$b^r_{0,1,1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\cos(\phi_2 - 2\phi_5) - b^r_{0,1,1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(\phi_2 + 2\phi_4) - $

$b^r_{0,1,1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(\phi_2 + 2\phi_3) - b^r_{0,2,-1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(\phi_2) - $

$b^r_{1,0,-1,0,-1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1 + \phi_2 + \phi_3 - \phi_4 + \phi_5) - $

$b^r_{1,0,-1,0,1,0,-1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(-\phi_1 + \phi_2 - \phi_3 + \phi_4 + \phi_5) - $

$b^r_{1,0,-1,0,1,0,1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1 - \phi_2 + \phi_3 + \phi_4 + \phi_5) - $

$b^r_{1,0,-2,0,0,0,0,0,0,1}\rho_1\rho_2^2\rho_5^2\cos(\phi_1 - 2\phi_2) - b^r_{1,0,-2,0,0,0,0,1,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1 - 2\phi_2) - $

$b^r_{1,0,-2,0,0,1,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1 - 2\phi_2) - b^r_{1,0,-2,1,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1 - 2\phi_2) - $

$b^r_{1,0,0,0,-2,0,-2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(-\phi_1 + 2\phi_3 + 2\phi_4) - b^r_{1,0,0,0,-2,0,0,0,2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1 - $

$2\phi_3 + 2\phi_5) - b^r_{1,0,0,0,-4,0,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1 - 4\phi_3) - b^r_{1,0,0,0,0,0,-2,0,2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1 - $

$2\phi_4 + 2\phi_5) - b^r_{1,0,0,0,0,0,-4,0,0,0}\rho_1\rho_4^4\cos(\phi_1 - 4\phi_4) - b^r_{1,0,0,0,0,0,0,0,-2,1}\rho_1\rho_5^4\cos(\phi_1 - 2\phi_5) - $

$b^r_{1,0,0,0,0,0,0,0,4,0}\rho_1\rho_5^4\cos(\phi_1 + 4\phi_5) - b^r_{1,0,0,0,0,0,0,1,-2,0}\rho_1\rho_4^2\rho_5^2\cos(\phi_1 - 2\phi_5) - $

$b^r_{1,0,0,0,0,0,2,0,0,1}\rho_1\rho_4^2\rho_5^2\cos(\phi_1 + 2\phi_4) - b^r_{1,0,0,0,0,0,2,1,0,0}\rho_1\rho_4^4\cos(\phi_1 + 2\phi_4) - $

$b^r_{1,0,0,0,0,1,0,0,-2,0}\rho_1\rho_3^2\rho_5^2\cos(\phi_1 - 2\phi_5) - b^r_{1,0,0,0,0,1,2,0,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1 + 2\phi_4) - $

$b^r_{1,0,0,0,2,0,0,0,0,1}\rho_1\rho_3^2\rho_5^2\cos(\phi_1 + 2\phi_3) - b^r_{1,0,0,0,2,0,0,1,0,0}\rho_1\rho_3^2\rho_4^2\cos(\phi_1 + 2\phi_3) - $

$b^r_{1,0,0,0,2,1,0,0,0,0}\rho_1\rho_3^4\cos(\phi_1 + 2\phi_3) - b^r_{1,0,0,1,0,0,0,0,-2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1 - 2\phi_5) - $

$b^r_{1,0,0,1,0,0,2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1 + 2\phi_4) - b^r_{1,0,0,1,2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1 + 2\phi_3) - $

$$b^r_{1,0,1,0,-1,0,-1,0,1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{1,0,1,0,1,0,1,0,-1,0}\rho_1\rho_2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{1,0,2,0,-2,0,0,0,0,0}\rho_1\rho_2^2\rho_3^2\cos(\phi_1+2\phi_2-2\phi_3)-b^r_{1,0,2,0,0,0,-2,0,0,0}\rho_1\rho_2^2\rho_4^2\cos(\phi_1+$$

$$2\phi_2-2\phi_4)-b^r_{1,0,2,0,0,0,0,0,2,0}\rho_1\rho_2^2\rho_5^2\cos(\phi_1+2\phi_2+2\phi_5)-$$

$$b^r_{1,0,4,0,0,0,0,0,0,0}\rho_1\rho_2^4\cos(\phi_1+4\phi_2)-b^r_{1,1,-2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(\phi_1-2\phi_2)-$$

$$b^r_{1,1,0,0,0,0,0,0,-2,0}\rho_1^3\rho_5^2\cos(\phi_1-2\phi_5)-b^r_{1,1,0,0,0,0,2,0,0,0}\rho_1^3\rho_4^2\cos(\phi_1+2\phi_4)-$$

$$b^r_{1,1,0,0,2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(\phi_1+2\phi_3)-b^r_{2,0,-1,0,0,0,0,0,-2,0}\rho_1^2\rho_2\rho_5^2\cos(-2\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{2,0,-1,0,0,0,2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1-\phi_2+2\phi_4)-b^r_{2,0,-1,0,2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1-$$

$$\phi_2+2\phi_3)-b^r_{2,0,-3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1-3\phi_2)-$$

$$b^r_{2,0,0,0,-1,0,-1,0,1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{2,0,0,0,1,0,1,0,-1,0}\rho_1^2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{2,0,1,0,-2,0,0,0,0,0}\rho_1^2\rho_2\rho_3^2\cos(2\phi_1+\phi_2-2\phi_3)-b^r_{2,0,1,0,0,0,-2,0,0,0}\rho_1^2\rho_2\rho_4^2\cos(2\phi_1+$$

$$\phi_2-2\phi_4)-b^r_{2,0,1,0,0,0,0,0,2,0}\rho_1^2\rho_2\rho_5^2\cos(2\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{2,0,3,0,0,0,0,0,0,0}\rho_1^2\rho_2^3\cos(2\phi_1+3\phi_2)-b^r_{3,0,0,0,-2,0,0,0,0,0}\rho_1^3\rho_3^2\cos(3\phi_1-2\phi_3)-$$

$$b^r_{3,0,0,0,0,0,-2,0,0,0}\rho_1^3\rho_4^2\cos(3\phi_1-2\phi_4)-b^r_{3,0,0,0,0,0,0,0,2,0}\rho_1^3\rho_5^2\cos(3\phi_1+2\phi_5)-$$

$$b^r_{3,0,2,0,0,0,0,0,0,0}\rho_1^3\rho_2^2\cos(3\phi_1+2\phi_2)-b^r_{4,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2\cos(4\phi_1+\phi_2)-$$

$$b^r_{5,0,0,0,0,0,0,0,0,0}\rho_1^5\cos(5\phi_1)$$

Cartesian e-coordinates:

$$H^{(5)}_{XX}=a^r_{0,0,0,0,1,0,-1,0,-3,0}(x_3(x_4x_5^3-3x_4x_5y_5^2-3x_5^2y_4y_5+y_4y_5^3)+y_3(3x_4x_5^2y_5-x_4y_5^3+x_5^3y_4-$$

$$3x_5y_4y_5^2))+a^r_{0,0,0,0,1,0,-1,0,3,0}(x_3(x_4x_5^3-3x_4x_5y_5^2+3x_5^2y_4y_5-y_4y_5^3)+y_3(-3x_4x_5^2y_5+$$

$$x_4y_5^3+x_5^3y_4-3x_5y_4y_5^2))+a^r_{0,0,0,0,1,0,-3,0,1,0}(x_3(x_4^3x_5+3x_4^2y_4y_5-3x_4x_5y_4^2-y_4^3y_5)+y_3(-$$

$$x_4^3y_5+3x_4^2x_5y_4+3x_4y_4^2y_5-x_5y_4^3))+a^r_{0,0,0,0,1,0,1,0,-1,1}(x_5^2+y_5^2)(x_3(x_4x_5+y_4y_5)+$$

$$y_3(x_4y_5-x_5y_4))+a^r_{0,0,0,0,1,0,1,1,-1,0}(x_4^2+y_4^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4))+$$

$$a^r_{0,0,0,0,1,0,3,0,1,0}(x_3(x_4^3x_5-3x_4^2y_4y_5-3x_4x_5y_4^2+y_4^3y_5)+y_3(-x_4^3y_5-3x_4^2x_5y_4+$$

$$3x_4y_4^2y_5+x_5y_4^3))+a^r_{0,0,0,0,1,1,1,0,-1,0}(x_3^2+y_3^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4))+$$

$$a^r_{0,0,0,0,3,0,-1,0,-1,0}(x_3(-3x_4x_5y_3^2+3y_3^2y_4y_5)+x_4(x_3^3x_5-y_3^3y_5)+y_3(3x_3^2x_4y_5+3x_3^2x_5y_4)+$$

$$y_4(-x_3^3y_5-x_5y_3^3))+a^r_{0,0,0,0,3,0,1,0,1,0}(x_3(-3x_4x_5y_3^2+3y_3^2y_4y_5)+x_4(x_3^3x_5+y_3^3y_5)+y_3(-$$

$$3x_3^2x_4y_5-3x_3^2x_5y_4)+y_4(-x_3^3y_5+x_5y_3^3))+a^r_{0,0,0,1,1,0,1,0,-1,0}(x_2^2+y_2^2)(x_3(x_4x_5+y_4y_5)+$$

$$y_3(x_4y_5-x_5y_4))+a^r_{0,0,1,0,-2,0,0,0,0,1}(x_5^2+y_5^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,0,1,0,-2,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,0,1,0,-2,1,0,0,0,0}(x_3^2+y_3^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+$$

$$a^r_{0,0,1,0,0,0,-2,0,0,1}(x_5^2+y_5^2)(x_2(x_4^2-y_4^2)+2x_4y_2y_4)+a^r_{0,0,1,0,0,0,-2,1,0,0}(x_4^2+y_4^2)(x_2(x_4^2-y_4^2)+$$

$$2x_4y_2y_4)+a^r_{0,0,1,0,0,0,0,0,-4,0}(x_2(x_5^4-6x_5^2y_5^2+y_5^4)+y_2(4x_5^3y_5-4x_5y_5^3))+a^r_{0,0,1,0,0,0,0,0,2,1}(x_5^2+$$

$$y_5^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,0,1,0,0,0,0,1,2,0}(x_4^2+y_4^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+$$

$$a^r_{0,0,1,0,0,0,2,0,-2,0}(x_2(x_4^2x_5^2-x_4^2y_5^2+4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+y_2(2x_4^2x_5y_5-$$

$$2x_4x_5^2y_4+2x_4y_4y_5^2-2x_5y_4^2y_5))+a^r_{0,0,1,0,0,0,4,0,0,0}(x_2(x_4^4-6x_4^2y_4^2+y_4^4)+y_2(-4x_4^3y_4+$$

$$4x_4y_4^3))+a^r_{0,0,1,0,0,1,-2,0,0,0}(x_3^2+y_3^2)(x_2(x_4^2-y_4^2)+2x_4y_2y_4)+a^r_{0,0,1,0,0,1,0,0,2,0}(x_3^2+$$

$$y_3^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,0,1,0,2,0,0,0,-2,0}(x_2(x_3^2x_5^2-x_3^2y_5^2+4x_3x_5y_3y_5-x_5^2y_3^2+$$

$$y_3^2y_5^2)+y_2(2x_3^2x_5y_5-2x_3x_5^2y_3+2x_3y_3y_5^2-2x_5y_3^2y_5))+a^r_{0,0,1,0,2,0,2,0,0,0}(x_2(x_3^2x_4^2-$$

$$x_3^2y_4^2-4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2)+y_2(-2x_3^2x_4y_4-2x_3x_4^2y_3+2x_3y_3y_4^2+$$

$$2x_4y_3^2y_4))+a^r_{0,0,1,0,4,0,0,0,0,0}(x_2(x_3^4-6x_3^2y_3^2+y_3^4)+y_2(-4x_3^3y_3+4x_3y_3^3))+$$

$$a^r_{0,0,1,1,-2,0,0,0,0,0}(x_2^2+y_2^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,0,1,1,0,0,-2,0,0,0}(x_2^2+y_2^2)(x_2(x_4^2-y_4^2)+$$

$2x_4 y_2 y_4) + a^r_{0,0,1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_2(x_5^2 - y_5^2) - 2x_5 y_2 y_5) + a^r_{0,0,2,0,-1,0,-1,0,-1,0}(x_2(2x_3 x_4 y_2 y_5 +$

$2x_3 x_5 y_2 y_4 + 2x_4 x_5 y_2 y_3 - 2y_2 y_3 y_4 y_5) + x_3(x_2^2 x_4 x_5 - x_2^2 y_4 y_5 - x_4 x_5 y_2^2 + y_2^2 y_4 y_5) + y_3(-$

$x_2^2 x_4 y_5 - x_2^2 x_5 y_4 + x_4 y_2^2 y_5 + x_5 y_2^2 y_4)) + a^r_{0,0,2,0,-1,0,1,0,1,0}(x_2(-2x_3 x_4 y_2 y_5 - 2x_3 x_5 y_2 y_4 +$

$2x_4 x_5 y_2 y_3 - 2y_2 y_3 y_4 y_5) + x_3(x_2^2 x_4 x_5 - x_2^2 y_4 y_5 - x_4 x_5 y_2^2 + y_2^2 y_4 y_5) + y_3(x_2^2 x_4 y_5 +$

$x_2^2 x_5 y_4 - x_4 y_2^2 y_5 - x_5 y_2^2 y_4)) + a^r_{0,0,2,0,1,0,-1,0,1,0}(x_2(-2x_3 x_4 y_2 y_5 + 2x_3 x_5 y_2 y_4 - 2x_4 x_5 y_2 y_3 -$

$2y_2 y_3 y_4 y_5) + x_3(x_2^2 x_4 x_5 + x_2^2 y_4 y_5 - x_4 x_5 y_2^2 - y_2^2 y_4 y_5) + y_3(-x_2^2 x_4 y_5 + x_2^2 x_5 y_4 +$

$x_4 y_2^2 y_5 - x_5 y_2^2 y_4)) + a^r_{0,0,3,0,0,0,0,0,0,1} x_2(x_2^2 - 3y_2^2)(x_5^2 + y_5^2) + a^r_{0,0,3,0,0,0,0,1,0,0} x_2(x_2^2 -$

$3y_2^2)(x_4^2 + y_4^2) + a^r_{0,0,3,0,0,1,0,0,0,0} x_2(x_2^2 - 3y_2^2)(x_3^2 + y_3^2) + a^r_{0,0,3,1,0,0,0,0,0,0} x_2(x_2^2 - 3y_2^2)(x_2^2 +$

$y_2^2) + a^r_{0,1,0,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_3(x_4 x_5 + y_4 y_5) + y_3(x_4 y_5 - x_5 y_4)) + a^r_{0,1,1,0,-2,0,0,0,0,0}(x_1^2 +$

$y_1^2)(x_2(x_3^2 - y_3^2) + 2x_3 y_2 y_3) + a^r_{0,1,1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_2(x_4^2 - y_4^2) + 2x_4 y_2 y_4) +$

$a^r_{0,1,1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_2(x_5^2 - y_5^2) - 2x_5 y_2 y_5) + a^r_{0,1,3,0,0,0,0,0,0,0} x_2(x_1^2 + y_1^2)(x_2^2 - 3y_2^2) +$

$a^r_{1,0,-1,0,-1,0,-1,0,1,0}(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 -$

$x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 +$

$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) + a^r_{1,0,-1,0,1,0,1,0,-1,0}(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 -$

$x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 -$

$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) +$

$a^r_{1,0,-2,0,0,0,0,0,-2,0}(x_1(x_2^2 x_5^2 - x_2^2 y_5^2 - 4x_2 x_5 y_2 y_5 - x_5^2 y_2^2 + y_2^2 y_5^2) + y_1(2x_2^2 x_5 y_5 +$

$2x_2 x_5^2 y_2 - 2x_2 y_2 y_5^2 - 2x_5 y_2^2 y_5)) + a^r_{1,0,-2,0,0,0,2,0,0,0}(x_1(x_2^2 x_4^2 - x_2^2 y_4^2 + 4x_2 x_4 y_2 y_4 -$

$x_4^2 y_2^2 + y_2^2 y_4^2) + y_1(-2x_2^2 x_4 y_4 + 2x_2 x_4^2 y_2 - 2x_2 y_2 y_4^2 + 2x_4 y_2^2 y_4)) +$

$a^r_{1,0,-2,0,2,0,0,0,0,0}(x_1(x_2^2 x_3^2 - x_2^2 y_3^2 + 4x_2 x_3 y_2 y_3 - x_3^2 y_2^2 + y_2^2 y_3^2) + y_1(-2x_2^2 x_3 y_3 +$

$2x_2 x_3^2 y_2 - 2x_2 y_2 y_3^2 + 2x_3 y_2^2 y_3)) + a^r_{1,0,-4,0,0,0,0,0,0,0}(x_1(x_2^4 - 6x_2^2 y_2^2 + y_2^4) + y_1(4x_2^3 y_2 -$

$4x_2 y_2^3)) + a^r_{1,0,0,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) + a^r_{1,0,0,0,-2,0,0,1,0,0}(x_4^2 +$

$y_4^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) + a^r_{1,0,0,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) +$

$a^r_{1,0,0,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1(x_4^2 - y_4^2) + 2x_4 y_1 y_4) + a^r_{1,0,0,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(x_1(x_4^2 - y_4^2) +$

$2x_4 y_1 y_4) + a^r_{1,0,0,0,0,0,0,0,-4,0}(x_1(x_5^4 - 6x_5^2 y_5^2 + y_5^4) + y_1(4x_5^3 y_5 - 4x_5 y_5^3)) + a^r_{1,0,0,0,0,0,0,0,2,1}(x_5^2 +$

$y_5^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a^r_{1,0,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) +$

$a^r_{1,0,0,0,0,0,2,0,-2,0}(x_1(x_4^2 x_5^2 - x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(2x_4^2 x_5 y_5 -$

$2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5)) + a^r_{1,0,0,0,0,0,4,0,0,0}(x_1(x_4^4 - 6x_4^2 y_4^2 + y_4^4) + y_1(-4x_4^3 y_4 +$

$4x_4 y_4^3)) + a^r_{1,0,0,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_1(x_4^2 - y_4^2) + 2x_4 y_1 y_4) + a^r_{1,0,0,0,0,1,0,0,0,2,0}(x_3^2 +$

$y_3^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a^r_{1,0,0,0,2,0,0,0,-2,0}(x_1(x_3^2 x_5^2 - x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 +$

$y_3^2 y_5^2) + y_1(2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5)) + a^r_{1,0,0,0,2,0,2,0,0,0}(x_1(x_3^2 x_4^2 -$

$x_3^2 y_4^2 - 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(-2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 +$

$2x_4 y_3^2 y_4)) + a^r_{1,0,0,0,4,0,0,0,0,0}(x_1(x_3^4 - 6x_3^2 y_3^2 + y_3^4) + y_1(-4x_3^3 y_3 + 4x_3 y_3^3)) +$

$a^r_{1,0,0,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3^2 - y_3^2) + 2x_3 y_1 y_3) + a^r_{1,0,0,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1(x_4^2 - y_4^2) +$

$2x_4 y_1 y_4) + a^r_{1,0,0,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1(x_5^2 - y_5^2) - 2x_5 y_1 y_5) + a^r_{1,0,1,0,-1,0,-1,0,-1,0}(x_1(x_2 x_3 x_4 x_5 -$

$x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) +$

$y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 +$

$x_5 y_2 y_3 y_4)) + a^r_{1,0,1,0,-1,0,1,0,1,0}(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 -$

$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 -$

$x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) + a^r_{1,0,1,0,1,0,-1,0,1,0}(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 -$

$x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 +$

$x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) +$

$a^r_{1,0,2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_2^2 - y_2^2) - 2x_2 y_1 y_2) + a^r_{1,0,2,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_2^2 - y_2^2) -$

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$2x_2y_1y_2) + a^r_{1,0,2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{1,0,2,1,0,0,0,0,0,0}(x_2^2 +$
$y_2^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{1,1,0,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) + 2x_3y_1y_3) +$
$a^r_{1,1,0,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_1(x_4^2 - y_4^2) + 2x_4y_1y_4) + a^r_{1,1,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_1(x_5^2 - y_5^2) -$
$2x_5y_1y_5) + a^r_{1,1,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2^2 - y_2^2) - 2x_2y_1y_2) + a^r_{2,0,-1,0,0,-2,0,0,0,0}(x_1(4x_2x_3y_1y_3 +$
$2x_3^2y_1y_2 - 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(-2x_1^2x_3y_3 +$
$2x_3y_1^2y_3)) + a^r_{2,0,-1,0,0,0,-2,0,0,0}(x_1(4x_2x_4y_1y_4 + 2x_4^2y_1y_2 - 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 -$
$x_4^2y_1^2 + y_1^2y_4^2) + y_2(-2x_1^2x_4y_4 + 2x_4y_1^2y_4)) + a^r_{2,0,-1,0,0,0,0,0,2,0}(x_1(-4x_2x_5y_1y_5 +$
$2x_5^2y_1y_2 - 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(2x_1^2x_5y_5 -$
$2x_5y_1^2y_5)) + a^r_{2,0,0,0,-1,0,-1,0,-1,0}(x_1(2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$
$x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 - x_1^2x_5y_4 + x_4y_1^2y_5 +$
$x_5y_1^2y_4)) + a^r_{2,0,0,0,-1,0,1,0,1,0}(x_1(-2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$
$x_3(x_1^2x_4x_5 - x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 -$
$x_5y_1^2y_4)) + a^r_{2,0,0,0,1,0,-1,0,1,0}(x_1(-2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) +$
$x_3(x_1^2x_4x_5 + x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 + x_1^2x_5y_4 + x_4y_1^2y_5 -$
$x_5y_1^2y_4)) + a^r_{2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(-$
$2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) +$
$a^r_{2,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(-2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) + a^r_{2,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(-2x_1y_1y_2 +$
$x_2(x_1^2 - y_1^2)) + a^r_{3,0,0,0,0,0,0,0,0,1}x_1(x_1^2 - 3y_1^2)(x_5^2 + y_5^2) + a^r_{3,0,0,0,0,0,0,1,0,0}x_1(x_1^2 - 3y_1^2)(x_4^2 +$
$y_4^2) + a^r_{3,0,0,0,0,1,0,0,0,0}x_1(x_1^2 - 3y_1^2)(x_3^2 + y_3^2) + a^r_{3,0,0,1,0,0,0,0,0,0}x_1(x_1^2 - 3y_1^2)(x_2^2 + y_2^2) +$
$a^r_{3,1,0,0,0,0,0,0,0,0}x_1(x_1^2 - 3y_1^2)(x_1^2 + y_1^2) + a^r_{4,0,-1,0,0,0,0,0,0,0}(4x_1^3y_1y_2 - 4x_1y_1^3y_2 + x_2(x_1^4 -$
$6x_1^2y_1^2 + y_1^4)) + b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 -$
$x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 +$
$x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)) + b^r_{-1,0,-1,0,-1,0,1,0,1,0}(x_1(x_2x_3x_4x_5 -$
$x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5) +$
$y_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 -$
$x_5y_2y_3y_4)) + b^r_{-1,0,-1,0,1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 -$
$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 -$
$x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4)) + b^r_{-1,0,-2,0,-2,0,0,0,0,0}(x_1(x_2^2x_3^2 - x_2^2y_3^2 -$
$4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2) + y_1(-2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 + 2x_3y_2^2y_3)) +$
$b^r_{-1,0,-2,0,0,0,-2,0,0,0}(x_1(x_2^2x_4^2 - x_2^2y_4^2 - 4x_2x_4y_2y_4 - x_4^2y_2^2 + y_2^2y_4^2) + y_1(-2x_2^2x_4y_4 -$
$2x_2x_4^2y_2 + 2x_2y_2y_4^2 + 2x_4y_2^2y_4)) + b^r_{-1,0,-2,0,0,0,0,0,2,0}(x_1(x_2^2x_5^2 - x_2^2y_5^2 + 4x_2x_5y_2y_5 -$
$x_5^2y_2^2 + y_2^2y_5^2) + y_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 - 2x_5y_2^2y_5)) +$
$b^r_{-1,0,0,0,-2,0,0,0,-2,0}(x_1(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_1(-2x_3^2x_5y_5 -$
$2x_3x_5^2y_3 + 2x_3y_3y_5^2 + 2x_5y_3^2y_5)) + b^r_{-1,0,0,0,-2,0,2,0,0,0}(x_1(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 -$
$x_4^2y_3^2 + y_3^2y_4^2) + y_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 - 2x_4y_3^2y_4)) +$
$b^r_{-1,0,0,0,0,0,-2,0,-2,0}(x_1(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_1(-2x_4^2x_5y_5 -$
$2x_4x_5^2y_4 + 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) + b^r_{-1,0,0,0,0,0,0,0,0,2}x_1(x_5^2 + y_5^2)^2 + b^r_{-1,0,0,0,0,0,0,1,0,1}x_1(x_4^2 +$
$y_4^2)(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,0,2,0,0,0}x_1(x_4^2 + y_4^2)^2 + b^r_{-1,0,0,0,0,0,2,0,2,0}(x_1(x_4^2x_5^2 - x_4^2y_5^2 -$
$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5)) +$
$b^r_{-1,0,0,0,0,1,0,0,0,1}x_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,1,0,1,0,0}x_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$
$b^r_{-1,0,0,0,0,2,0,0,0,0}x_1(x_3^2 + y_3^2)^2 + b^r_{-1,0,0,0,2,0,-2,0,0,0}(x_1(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 +$
$y_3^2y_4^2) + y_1(-2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 + 2x_4y_3^2y_4)) + b^r_{-1,0,0,0,2,0,0,0,0,2,0}(x_1(x_3^2x_5^2 -$

$$x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 -$$

$$2x_5 y_3^2 y_5)) + b_{-1,0,0,1,0,0,0,0,0,1}^r x_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{-1,0,0,1,0,0,0,1,0,0}^r x_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$$

$$b_{-1,0,0,1,0,1,0,0,0,0}^r x_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{-1,0,0,2,0,0,0,0,0,0}^r x_1(x_2^2 + y_2^2)^2 +$$

$$b_{-1,0,1,0,-1,0,1,0,-1,0}^r (x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 +$$

$$x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) + b_{-1,0,1,0,1,0,-1,0,-1,0}^r (x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 +$$

$$x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) +$$

$$b_{-1,0,1,0,1,0,1,0,1,0}^r (x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 -$$

$$x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 -$$

$$x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) + b_{-1,0,2,0,0,0,0,0,-2,0}^r (x_1(x_2^2 x_5^2 - x_2^2 y_5^2 + 4x_2 x_5 y_2 y_5 -$$

$$x_5^2 y_2^2 + y_2^2 y_5^2) + y_1(-2x_2^2 x_5 y_5 + 2x_2 x_5^2 y_2 - 2x_2 y_2 y_5^2 + 2x_5 y_2^2 y_5)) +$$

$$b_{-1,0,2,0,0,0,2,0,0,0}^r (x_1(x_2^2 x_4^2 - x_2^2 y_4^2 - 4x_2 x_4 y_2 y_4 - x_4^2 y_2^2 + y_2^2 y_4^2) + y_1(2x_2^2 x_4 y_4 +$$

$$2x_2 x_4^2 y_2 - 2x_2 y_2 y_4^2 - 2x_4 y_2^2 y_4)) + b_{-1,0,2,0,2,0,0,0,0,0}^r (x_1(x_2^2 x_3^2 - x_2^2 y_3^2 - 4x_2 x_3 y_2 y_3 -$$

$$x_3^2 y_2^2 + y_2^2 y_3^2) + y_1(2x_2^2 x_3 y_3 + 2x_2 x_3^2 y_2 - 2x_2 y_2 y_3^2 - 2x_3 y_2^2 y_3)) +$$

$$b_{-1,1,0,0,0,0,0,0,0,1}^r x_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b_{-1,1,0,0,0,0,0,1,0,0}^r x_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$b_{-1,1,0,0,0,1,0,0,0,0}^r x_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) + b_{-1,1,0,1,0,0,0,0,0,0}^r x_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) +$$

$$b_{-1,2,0,0,0,0,0,0,0,0}^r x_1(x_1^2 + y_1^2)^2 + b_{-2,0,-1,0,-2,0,0,0,0,0}^r (x_1(-4x_2 x_3 y_1 y_3 - 2x_3^2 y_1 y_2 + 2y_1 y_2 y_3^2) +$$

$$x_2(x_1^2 x_3^2 - x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2) + y_2(-2x_1^2 x_3 y_3 + 2x_3 y_1^2 y_3)) +$$

$$b_{-2,0,-1,0,0,0,-2,0,0,0}^r (x_1(-4x_2 x_4 y_1 y_4 - 2x_4^2 y_1 y_2 + 2y_1 y_2 y_4^2) + x_2(x_1^2 x_4^2 - x_1^2 y_4^2 - x_4^2 y_1^2 +$$

$$y_1^2 y_4^2) + y_2(-2x_1^2 x_4 y_4 + 2x_4 y_1^2 y_4)) + b_{-2,0,-1,0,0,0,0,0,2,0}^r (x_1(4x_2 x_5 y_1 y_5 - 2x_5^2 y_1 y_2 +$$

$$2y_1 y_2 y_5^2) + x_2(x_1^2 x_5^2 - x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2) + y_2(2x_1^2 x_5 y_5 - 2x_5 y_1^2 y_5)) +$$

$$b_{-2,0,0,0,0,-1,0,-1,0,-1,0}^r (x_1(-2x_3 x_4 y_1 y_5 - 2x_3 x_5 y_1 y_4 - 2x_4 x_5 y_1 y_3 + 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 -$$

$$x_1^2 y_4 y_5 - x_4 x_5 y_1^2 + y_1^2 y_4 y_5) + y_3(-x_1^2 x_4 y_5 - x_1^2 x_5 y_4 + x_4 y_1^2 y_5 + x_5 y_1^2 y_4)) +$$

$$b_{-2,0,0,0,0,-1,0,1,0,1,0}^r (x_1(2x_3 x_4 y_1 y_5 + 2x_3 x_5 y_1 y_4 - 2x_4 x_5 y_1 y_3 + 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 -$$

$$x_1^2 y_4 y_5 - x_4 x_5 y_1^2 + y_1^2 y_4 y_5) + y_3(x_1^2 x_4 y_5 + x_1^2 x_5 y_4 - x_4 y_1^2 y_5 - x_5 y_1^2 y_4)) +$$

$$b_{-2,0,0,0,1,0,-1,0,1,0}^r (x_1(2x_3 x_4 y_1 y_5 - 2x_3 x_5 y_1 y_4 + 2x_4 x_5 y_1 y_3 + 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 +$$

$$x_1^2 y_4 y_5 - x_4 x_5 y_1^2 - y_1^2 y_4 y_5) + y_3(-x_1^2 x_4 y_5 + x_1^2 x_5 y_4 + x_4 y_1^2 y_5 - x_5 y_1^2 y_4)) +$$

$$b_{-2,0,1,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + b_{-2,0,1,0,0,0,0,1,0,0}^r (x_4^2 + y_4^2)(2x_1 y_1 y_2 +$$

$$x_2(x_1^2 - y_1^2)) + b_{-2,0,1,0,0,1,0,0,0,0}^r (x_3^2 + y_3^2)(2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + b_{-2,0,1,1,0,0,0,0,0,0}^r (x_2^2 +$$

$$y_2^2)(2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + b_{-2,1,1,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) +$$

$$b_{-3,0,0,0,0,-2,0,0,0,0}^r (x_1^3 x_3^2 - x_1^3 y_3^2 - 6x_1^2 x_3 y_1 y_3 + x_1(-3x_3^2 y_1^2 + 3y_1^2 y_3^2) + 2x_3 y_1^3 y_3) +$$

$$b_{-3,0,0,0,0,0,0,-2,0,0,0}^r (x_1^3 x_4^2 - x_1^3 y_4^2 - 6x_1^2 x_4 y_1 y_4 + x_1(-3x_4^2 y_1^2 + 3y_1^2 y_4^2) + 2x_4 y_1^3 y_4) +$$

$$b_{-3,0,0,0,0,0,0,0,0,2,0}^r (x_1^3 x_5^2 - x_1^3 y_5^2 + 6x_1^2 x_5 y_1 y_5 + x_1(-3x_5^2 y_1^2 + 3y_1^2 y_5^2) - 2x_5 y_1^3 y_5) +$$

$$b_{-3,0,2,0,0,0,0,0,0,0}^r (x_1^3 x_2^2 - x_1^3 y_2^2 + 6x_1^2 x_2 y_1 y_2 + x_1(-3x_2^2 y_1^2 + 3y_1^2 y_2^2) - 2x_2 y_1^3 y_2) +$$

$$b_{0,0,-1,0,-2,0,0,0,-2,0}^r (x_2(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_2(-2x_3^2 x_5 y_5 -$$

$$2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 + 2x_5 y_3^2 y_5)) + b_{0,0,-1,0,-2,0,2,0,0,0}^r (x_2(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 -$$

$$x_4^2 y_3^2 + y_3^2 y_4^2) + y_2(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4)) +$$

$$b_{0,0,-1,0,0,0,-2,0,-2,0}^r (x_2(x_4^2 x_5^2 - x_4^2 y_5^2 - 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_2(-2x_4^2 x_5 y_5 -$$

$$2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 + 2x_5 y_4^2 y_5)) + b_{0,0,-1,0,0,0,0,0,0,2}^r x_2(x_5^2 + y_5^2)^2 + b_{0,0,-1,0,0,0,0,1,0,1}^r x_2(x_4^2 +$$

$$y_4^2)(x_5^2 + y_5^2) + b_{0,0,-1,0,0,0,0,2,0,0}^r x_2(x_4^2 + y_4^2)^2 + b_{0,0,-1,0,0,0,2,0,2,0}^r (x_2(x_4^2 x_5^2 - x_4^2 y_5^2 -$$

$$4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_2(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5)) +$$

$$b^r_{0,0,-1,0,0,1,0,0,0,1}x_2(x_3^2+y_3^2)(x_5^2+y_5^2)+b^r_{0,0,-1,0,0,1,0,1,0,0}x_2(x_3^2+y_3^2)(x_4^2+y_4^2)+$$

$$b^r_{0,0,-1,0,0,2,0,0,0,0}x_2(x_3^2+y_3^2)^2+b^r_{0,0,-1,0,2,0,-2,0,0,0}(x_2(x_3^2x_4^2-x_3^2y_4^2+4x_3x_4y_3y_4-x_4^2y_3^2+$$

$$y_3^2y_4^2)+y_2(-2x_3^2x_4y_4+2x_3x_4^2y_3-2x_3y_3y_4^2+2x_4y_3^2y_4))+b^r_{0,0,-1,0,2,0,0,0,2,0}(x_2(x_3^2x_5^2-$$

$$x_3^2y_5^2-4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_2(2x_3^2x_5y_5+2x_3x_5^2y_3-2x_3y_3y_5^2-$$

$$2x_5y_3^2y_5))+b^r_{0,0,-1,1,0,0,0,0,0,1}x_2(x_2^2+y_2^2)(x_5^2+y_5^2)+b^r_{0,0,-1,1,0,0,0,1,0,0}x_2(x_2^2+y_2^2)(x_4^2+y_4^2)+$$

$$b^r_{0,0,-1,1,0,1,0,0,0,0}x_2(x_2^2+y_2^2)(x_3^2+y_3^2)+b^r_{0,0,-1,2,0,0,0,0,0,0}x_2(x_2^2+y_2^2)^2+b^r_{0,0,-2,0,-1,0,-1,0,-1,0}(x_2(-$$

$$2x_3x_4y_2y_5-2x_3x_5y_2y_4-2x_4x_5y_2y_3+2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5-x_2^2y_4y_5-x_4x_5y_2^2+$$

$$y_2^2y_4y_5)+y_3(-x_2^2x_4y_5-x_2^2x_5y_4+x_4y_2^2y_5+x_5y_2^2y_4))+b^r_{0,0,-2,0,-1,0,1,0,1,0}(x_2(2x_3x_4y_2y_5+$$

$$2x_3x_5y_2y_4-2x_4x_5y_2y_3+2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5-x_2^2y_4y_5-x_4x_5y_2^2+y_2^2y_4y_5)+$$

$$y_3(x_2^2x_4y_5+x_2^2x_5y_4-x_4y_2^2y_5-x_5y_2^2y_4))+b^r_{0,0,-2,0,1,0,-1,0,1,0}(x_2(2x_3x_4y_2y_5-2x_3x_5y_2y_4+$$

$$2x_4x_5y_2y_3+2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5+x_2^2y_4y_5-x_4x_5y_2^2-y_2^2y_4y_5)+y_3(-x_2^2x_4y_5+$$

$$x_2^2x_5y_4+x_4y_2^2y_5-x_5y_2^2y_4))+b^r_{0,0,-3,0,-2,0,0,0,0,0}(x_2^3x_3^3-x_2^3y_3^3-6x_2^2x_3y_2y_3+x_2(-$$

$$3x_3^2y_2^2+3y_2^2y_3^2)+2x_3y_2^3y_3)+b^r_{0,0,-3,0,0,0,0,-2,0,0,0}(x_2^3x_4^2-x_2^3y_4^2-6x_2^2x_4y_2y_4+x_2(-$$

$$3x_4^2y_2^2+3y_2^2y_4^2)+2x_4y_2^3y_4)+b^r_{0,0,-3,0,0,0,0,0,2,0}(x_2^3x_5^2-x_2^3y_5^2+6x_2^2x_5y_2y_5+x_2(-$$

$$3x_5^2y_2^2+3y_2^2y_5^2)-2x_5y_2^3y_5)+b^r_{0,0,0,0,-1,0,-1,0,-3,0}(x_3(x_4x_5^3-3x_4x_5y_5^2-3x_5^2y_4y_5+$$

$$y_4y_5^3)+y_3(-3x_4x_5^2y_5+x_4y_5^3-x_5^3y_4+3x_5y_4y_5^2))+b^r_{0,0,0,0,-1,0,-1,0,3,0}(x_3(x_4x_5^3-$$

$$3x_4x_5y_5^2+3x_5^2y_4y_5-y_4y_5^3)+y_3(3x_4x_5^2y_5-x_4y_5^3-x_5^3y_4+3x_5y_4y_5^2))+$$

$$b^r_{0,0,0,0,-1,0,-3,0,1,0}(x_3(x_4^3x_5+3x_4^2y_4y_5-3x_4x_5y_4^2-y_4^3y_5)+y_3(x_4^3y_5-3x_4^2x_5y_4-$$

$$3x_4y_4^2y_5+x_5y_4^3))+b^r_{0,0,0,0,-1,0,1,0,-1,1}(x_5^2+y_5^2)(x_3(x_4x_5+y_4y_5)+y_3(-x_4y_5+x_5y_4))+$$

$$b^r_{0,0,0,0,-1,0,1,1,-1,0}(x_4^2+y_4^2)(x_3(x_4x_5+y_4y_5)+y_3(-x_4y_5+x_5y_4))+b^r_{0,0,0,0,-1,0,3,0,1,0}(x_3(x_4^3x_5-$$

$$3x_4^2y_4y_5-3x_4x_5y_4^2+y_4^3y_5)+y_3(x_4^3y_5+3x_4^2x_5y_4-3x_4y_4^2y_5-x_5y_4^3))+$$

$$b^r_{0,0,0,0,-1,1,1,0,-1,0}(x_3^2+y_3^2)(x_3(x_4x_5+y_4y_5)+y_3(-x_4y_5+x_5y_4))+b^r_{0,0,0,0,-3,0,-1,0,1,0}(x_3(-3x_4x_5y_3^2-$$

$$3y_3^2y_4y_5)+x_4(x_3^3x_5-y_3^3y_5)+y_3(3x_3^2x_4y_5-3x_3^2x_5y_4)+y_4(x_3^3y_5+x_5y_3^3))+$$

$$b^r_{0,0,0,0,1,0,-1,0,-1,1}(x_5^2+y_5^2)(x_3(x_4x_5-y_4y_5)+y_3(x_4y_5+x_5y_4))+b^r_{0,0,0,0,1,0,-1,1,-1,0}(x_4^2+$$

$$y_4^2)(x_3(x_4x_5-y_4y_5)+y_3(x_4y_5+x_5y_4))+b^r_{0,0,0,0,1,0,1,0,1,1}(x_5^2+y_5^2)(x_3(x_4x_5-y_4y_5)+y_3(-x_4y_5-$$

$$x_5y_4))+b^r_{0,0,0,0,1,0,1,1,1,0}(x_4^2+y_4^2)(x_3(x_4x_5-y_4y_5)+y_3(-x_4y_5-x_5y_4))+b^r_{0,0,0,0,1,1,-1,0,-1,0}(x_3^2+$$

$$y_3^2)(x_3(x_4x_5-y_4y_5)+y_3(x_4y_5+x_5y_4))+b^r_{0,0,0,0,1,1,1,0,1,0}(x_3^2+y_3^2)(x_3(x_4x_5-y_4y_5)+y_3(-x_4y_5-$$

$$x_5y_4))+b^r_{0,0,0,0,3,0,-1,0,1,0}(x_3(-3x_4x_5y_3^2-3y_3^2y_4y_5)+x_4(x_3^3x_5+y_3^3y_5)+y_3(-3x_3^2x_4y_5+$$

$$3x_3^2x_5y_4)+y_4(x_3^3y_5-x_5y_3^3))+b^r_{0,0,0,1,-1,0,1,0,-1,0}(x_2^2+y_2^2)(x_3(x_4x_5+y_4y_5)+y_3(-x_4y_5+$$

$$x_5y_4))+b^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2+y_2^2)(x_3(x_4x_5-y_4y_5)+y_3(x_4y_5+x_5y_4))+b^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2+$$

$$y_2^2)(x_3(x_4x_5-y_4y_5)+y_3(-x_4y_5-x_5y_4))+b^r_{0,0,1,0,-2,0,-2,0,0,0}(x_2(x_3^2x_4^2-x_3^2y_4^2-4x_3x_4y_3y_4-$$

$$x_4^2y_3^2+y_3^2y_4^2)+y_2(2x_3^2x_4y_4+2x_3x_4^2y_3-2x_3y_3y_4^2-2x_4y_3^2y_4))+$$

$$b^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(x_3^2x_5^2-x_3^2y_5^2+4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_2(-2x_3^2x_5y_5+$$

$$2x_3x_5^2y_3-2x_3y_3y_5^2+2x_5y_3^2y_5))+b^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(x_3^4-6x_3^2y_3^2+y_3^4)+y_2(4x_3^3y_3-$$

$$4x_3y_3^3))+b^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(x_4^2x_5^2-x_4^2y_5^2+4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+y_2(-$$

$$2x_4^2x_5y_5+2x_4x_5^2y_4-2x_4y_4y_5^2+2x_5y_4^2y_5))+b^r_{0,0,1,0,0,0,0,-4,0,0,0}(x_2(x_4^4-6x_4^2y_4^2+y_4^4)+$$

$$y_2(4x_4^3y_4-4x_4y_4^3))+b^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2+y_5^2)(x_2(x_5^2-y_5^2)+2x_5y_2y_5)+$$

$$b^r_{0,0,1,0,0,0,0,0,4,0}(x_2(x_5^4-6x_5^2y_5^2+y_5^4)+y_2(-4x_5^3y_5+4x_5y_5^3))+b^r_{0,0,1,0,0,0,0,1,-2,0}(x_4^2+$$

$$y_4^2)(x_2(x_5^2-y_5^2)+2x_5y_2y_5)+b^r_{0,0,1,0,0,0,2,0,0,1}(x_5^2+y_5^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)+$$

$$b^r_{0,0,1,0,0,0,2,1,0,0}(x_4^2+y_4^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)+b^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2+y_3^2)(x_2(x_5^2-y_5^2)+$$

$$2x_5y_2y_5)+b^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2+y_3^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)+b^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2+$$

$$y_5^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)+b^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)+$$

$$b^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)+b^r_{0,0,1,1,0,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_2(x_5^2-y_5^2)+$$

$$2x_5y_2y_5)+b^r_{0,0,1,1,0,0,0,2,0,0,0}(x_2^2+y_2^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)+b^r_{0,0,1,1,2,0,0,0,0,0,0}(x_2^2+$$

$$y_2^2)(x_2(x_3^2-y_3^2)-2x_3y_2y_3)+b^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(-2x_3x_4y_2y_5+2x_3x_5y_2y_4+2x_4x_5y_2y_3+$$

$$2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5+x_2^2y_4y_5-x_4x_5y_2^2-y_2^2y_4y_5)+y_3(x_2^2x_4y_5-x_2^2x_5y_4-$$

$$x_4y_2^2y_5+x_5y_2^2y_4))+b^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(2x_3x_4y_2y_5-2x_3x_5y_2y_4-2x_4x_5y_2y_3-$$

$$2y_2y_3y_4y_5)+x_3(x_2^2x_4x_5+x_2^2y_4y_5-x_4x_5y_2^2-y_2^2y_4y_5)+y_3(x_2^2x_4y_5-x_2^2x_5y_4-$$

$$x_4y_2^2y_5+x_5y_2^2y_4))+b^r_{0,0,3,0,-2,0,0,0,0,0}(x_2^3x_3^2-x_2^3y_3^2+6x_2^2x_3y_2y_3+x_2(-3x_3^2y_2^2+$$

$$3y_2^2y_3^2)-2x_3y_2^3y_3)+b^r_{0,0,3,0,0,0,-2,0,0,0}(x_2^3x_4^2-x_2^3y_4^2+6x_2^2x_4y_2y_4+x_2(-3x_4^2y_2^2+$$

$$3y_2^2y_4^2)-2x_4y_2^3y_4)+b^r_{0,0,3,0,0,0,0,0,2,0}(x_2^3x_5^2-x_2^3y_5^2-6x_2^2x_5y_2y_5+x_2(-3x_5^2y_2^2+$$

$$3y_2^2y_5^2)+2x_5y_2^3y_5)+b^r_{0,0,5,0,0,0,0,0,0,0}x_2(x_2^4-10x_2^2y_2^2+5y_2^4)+b^r_{0,1,-1,0,0,0,0,0,0,1}x_2(x_1^2+$$

$$y_1^2)(x_5^2+y_5^2)+b^r_{0,1,-1,0,0,0,0,1,0,0}x_2(x_1^2+y_1^2)(x_4^2+y_4^2)+b^r_{0,1,-1,0,0,1,0,0,0,0}x_2(x_1^2+y_1^2)(x_3^2+$$

$$y_3^2)+b^r_{0,1,-1,1,0,0,0,0,0,0}x_2(x_1^2+y_1^2)(x_2^2+y_2^2)+b^r_{0,1,0,0,-1,0,1,0,-1,0}(x_1^2+y_1^2)(x_3(x_4x_5+y_4y_5)+y_3(-$$

$$x_4y_5+x_5y_4))+b^r_{0,1,0,0,1,0,-1,0,-1,0}(x_1^2+y_1^2)(x_3(x_4x_5-y_4y_5)+y_3(x_4y_5+x_5y_4))+b^r_{0,1,0,0,1,0,1,0,1,0}(x_1^2+$$

$$y_1^2)(x_3(x_4x_5-y_4y_5)+y_3(-x_4y_5-x_5y_4))+b^r_{0,1,1,0,0,0,0,0,0,-2,0}(x_1^2+y_1^2)(x_2(x_5^2-y_5^2)+2x_5y_2y_5)+$$

$$b^r_{0,1,1,0,0,0,2,0,0,0}(x_1^2+y_1^2)(x_2(x_4^2-y_4^2)-2x_4y_2y_4)+b^r_{0,1,1,0,2,0,0,0,0,0}(x_1^2+y_1^2)(x_2(x_3^2-y_3^2)-$$

$$2x_3y_2y_3)+b^r_{0,2,-1,0,0,0,0,0,0,0}x_2(x_1^2+y_1^2)^2+b^r_{1,0,-1,0,-1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5-$$

$$x_2x_4y_3y_5+x_2x_5y_3y_4-x_3x_4y_2y_5+x_3x_5y_2y_4-x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(x_2x_3x_4y_5-$$

$$x_2x_3x_5y_4+x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2+x_3y_2y_4y_5-x_4y_2y_3y_5+x_5y_2y_3y_4))+$$

$$b^r_{1,0,-1,0,1,0,-1,0,-1,0}(x_1(x_2x_3x_4x_5-x_2x_3y_4y_5+x_2x_4y_3y_5+x_2x_5y_3y_4-x_3x_4y_2y_5-x_3x_5y_2y_4+$$

$$x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(x_2x_3x_4y_5+x_2x_3x_5y_4-x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2-$$

$$x_3y_2y_4y_5+x_4y_2y_3y_5+x_5y_2y_3y_4))+b^r_{1,0,-1,0,1,0,1,0,1,0}(x_1(x_2x_3x_4x_5-x_2x_3y_4y_5-x_2x_4y_3y_5-$$

$$x_2x_5y_3y_4+x_3x_4y_2y_5+x_3x_5y_2y_4+x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(-x_2x_3x_4y_5-x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2-x_3y_2y_4y_5-x_4y_2y_3y_5-x_5y_2y_3y_4))+$$

$$b^r_{1,0,-2,0,0,0,0,0,0,1}(x_5^2+y_5^2)(x_1(x_2^2-y_2^2)+2x_2y_1y_2)+b^r_{1,0,-2,0,0,0,0,1,0,0}(x_4^2+y_4^2)(x_1(x_2^2-y_2^2)+$$

$$2x_2y_1y_2)+b^r_{1,0,-2,0,0,1,0,0,0,0}(x_3^2+y_3^2)(x_1(x_2^2-y_2^2)+2x_2y_1y_2)+b^r_{1,0,-2,1,0,0,0,0,0,0}(x_2^2+$$

$$y_2^2)(x_1(x_2^2-y_2^2)+2x_2y_1y_2)+b^r_{1,0,0,0,0,-2,0,-2,0,0,0}(x_1(x_3^2x_4^2-x_3^2y_4^2-4x_3x_4y_3y_4-x_4^2y_3^2+$$

$$y_3^2y_4^2)+y_1(2x_3^2x_4y_4+2x_3x_4^2y_3-2x_3y_3y_4^2-2x_4y_3^2y_4))+b^r_{1,0,0,0,0,-2,0,0,0,2,0}(x_1(x_3^2x_5^2-$$

$$x_3^2y_5^2+4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_1(-2x_3^2x_5y_5+2x_3x_5^2y_3-2x_3y_3y_5^2+$$

$$2x_5y_3^2y_5))+b^r_{1,0,0,0,0,-4,0,0,0,0,0}(x_1(x_3^4-6x_3^2y_3^2+y_3^4)+y_1(4x_3^3y_3-4x_3y_3^3))+$$

$$b^r_{1,0,0,0,0,0,0,-2,0,2,0}(x_1(x_4^2x_5^2-x_4^2y_5^2+4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+y_1(-2x_4^2x_5y_5+$$

$$2x_4x_5^2y_4-2x_4y_4y_5^2+2x_5y_4^2y_5))+b^r_{1,0,0,0,0,0,0,-4,0,0,0}(x_1(x_4^4-6x_4^2y_4^2+y_4^4)+y_1(4x_4^3y_4-$$

$$4x_4y_4^3))+b^r_{1,0,0,0,0,0,0,0,0,-2,1}(x_5^2+y_5^2)(x_1(x_5^2-y_5^2)+2x_5y_1y_5)+b^r_{1,0,0,0,0,0,0,0,0,4,0}(x_1(x_5^4-$$

$$6x_5^2y_5^2+y_5^4)+y_1(-4x_5^3y_5+4x_5y_5^3))+b^r_{1,0,0,0,0,0,0,1,-2,0}(x_4^2+y_4^2)(x_1(x_5^2-y_5^2)+2x_5y_1y_5)+$$

$$b^r_{1,0,0,0,0,0,2,0,0,1}(x_5^2+y_5^2)(x_1(x_4^2-y_4^2)-2x_4y_1y_4)+b^r_{1,0,0,0,0,0,2,1,0,0}(x_4^2+y_4^2)(x_1(x_4^2-y_4^2)-$$

$$2x_4y_1y_4)+b^r_{1,0,0,0,1,0,0,0,-2,0}(x_3^2+y_3^2)(x_1(x_5^2-y_5^2)+2x_5y_1y_5)+b^r_{1,0,0,0,0,1,2,0,0,0}(x_3^2+$$

$$y_3^2)(x_1(x_4^2-y_4^2)-2x_4y_1y_4)+b^r_{1,0,0,0,2,0,0,0,0,1}(x_5^2+y_5^2)(x_1(x_3^2-y_3^2)-2x_3y_1y_3)+$$

$$b^r_{1,0,0,0,2,0,0,1,0,0}(x_4^2+y_4^2)(x_1(x_3^2-y_3^2)-2x_3y_1y_3)+b^r_{1,0,0,0,2,1,0,0,0,0}(x_3^2+y_3^2)(x_1(x_3^2-y_3^2)-$$

$$2x_3y_1y_3)+b^r_{1,0,0,1,0,0,0,0,-2,0}(x_2^2+y_2^2)(x_1(x_5^2-y_5^2)+2x_5y_1y_5)+b^r_{1,0,0,1,0,0,0,2,0,0,0}(x_2^2+$$

$$y_2^2)(x_1(x_4^2-y_4^2)-2x_4y_1y_4)+b^r_{1,0,0,1,2,0,0,0,0,0}(x_2^2+y_2^2)(x_1(x_3^2-y_3^2)-2x_3y_1y_3)+$$

$$b^r_{1,0,1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5+x_2x_4y_3y_5-x_2x_5y_3y_4-x_3x_4y_2y_5+x_3x_5y_2y_4+$$

$$x_4x_5y_2y_3+y_2y_3y_4y_5)+y_1(-x_2x_3x_4y_5+x_2x_3x_5y_4+x_2x_4x_5y_3+x_2y_3y_4y_5-x_3x_4x_5y_2-$$

$$x_3y_2y_4y_5-x_4y_2y_3y_5+x_5y_2y_3y_4))+b^r_{1,0,1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5+x_2x_4y_3y_5-$$

$$x_2x_5y_3y_4+x_3x_4y_2y_5-x_3x_5y_2y_4-x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(x_2x_3x_4y_5-x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)) +$$

$$b^r_{1,0,2,0,-2,0,0,0,0,0}(x_1(x_2^2x_3^2 - x_2^2y_3^2 + 4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2) + y_1(2x_2^2x_3y_3 -$$

$$2x_2x_3^2y_2 + 2x_2y_2y_3^2 - 2x_3y_2^2y_3)) + b^r_{1,0,2,0,0,0,-2,0,0,0}(x_1(x_2^2x_4^2 - x_2^2y_4^2 + 4x_2x_4y_2y_4 -$$

$$x_4^2y_2^2 + y_2^2y_4^2) + y_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4)) +$$

$$b^r_{1,0,2,0,0,0,0,0,2,0}(x_1(x_2^2x_5^2 - x_2^2y_5^2 - 4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2) + y_1(-2x_2^2x_5y_5 -$$

$$2x_2x_5^2y_2 + 2x_2y_2y_5^2 + 2x_5y_2^2y_5)) + b^r_{1,0,4,0,0,0,0,0,0,0}(x_1(x_2^4 - 6x_2^2y_2^2 + y_2^4) + y_1(-4x_2^3y_2 +$$

$$4x_2y_2^3)) + b^r_{1,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2^2 - y_2^2) + 2x_2y_1y_2) + b^r_{1,1,0,0,0,0,0,0,-2,0}(x_1^2 +$$

$$y_1^2)(x_1(x_5^2 - y_5^2) + 2x_5y_1y_5) + b^r_{1,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1(x_4^2 - y_4^2) - 2x_4y_1y_4) +$$

$$b^r_{1,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) - 2x_3y_1y_3) + b^r_{2,0,-1,0,0,0,0,0,-2,0}(x_1(4x_2x_5y_1y_5 +$$

$$2x_5^2y_1y_2 - 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(-2x_1^2x_5y_5 +$$

$$2x_5y_1^2y_5)) + b^r_{2,0,-1,0,0,0,2,0,0,0}(x_1(-4x_2x_4y_1y_4 + 2x_4^2y_1y_2 - 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 -$$

$$x_4^2y_1^2 + y_1^2y_4^2) + y_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4)) + b^r_{2,0,-1,0,2,0,0,0,0,0}(x_1(-4x_2x_3y_1y_3 + 2x_3^2y_1y_2 -$$

$$2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(2x_1^2x_3y_3 - 2x_3y_1^2y_3)) +$$

$$b^r_{2,0,-3,0,0,0,0,0,0,0}(x_1^2x_2^3 + x_1(6x_2^2y_1y_2 - 2y_1y_2^3) - x_2^3y_1^2 + x_2(-3x_1^2y_2^2 + 3y_1^2y_2^2)) +$$

$$b^r_{2,0,0,0,-1,0,-1,0,1,0}(x_1(-2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 +$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4)) +$$

$$b^r_{2,0,0,0,1,0,1,0,-1,0}(x_1(2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 - 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 +$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4)) +$$

$$b^r_{2,0,1,0,-2,0,0,0,0,0}(x_1(4x_2x_3y_1y_3 - 2x_3^2y_1y_2 + 2y_1y_2y_3^2) + x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 +$$

$$y_1^2y_3^2) + y_2(2x_1^2x_3y_3 - 2x_3y_1^2y_3)) + b^r_{2,0,1,0,0,0,-2,0,0,0}(x_1(4x_2x_4y_1y_4 - 2x_4^2y_1y_2 +$$

$$2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2) + y_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4)) +$$

$$b^r_{2,0,1,0,0,0,0,0,2,0}(x_1(-4x_2x_5y_1y_5 - 2x_5^2y_1y_2 + 2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 +$$

$$y_1^2y_5^2) + y_2(-2x_1^2x_5y_5 + 2x_5y_1^2y_5)) + b^r_{2,0,3,0,0,0,0,0,0,0}(x_1^2x_2^3 + x_1(-6x_2^2y_1y_2 + 2y_1y_2^3) -$$

$$x_2^3y_1^2 + x_2(-3x_1^2y_2^2 + 3y_1^2y_2^2)) + b^r_{3,0,0,0,-2,0,0,0,0,0}(x_1^3x_3^3 - x_1^3y_3^3 + 6x_1^2x_3y_1y_3 + x_1(-$$

$$3x_3^2y_1^2 + 3y_1^2y_3^2) - 2x_3y_1^3y_3) + b^r_{3,0,0,0,0,0,-2,0,0,0}(x_1^3x_4^2 - x_1^3y_4^2 + 6x_1^2x_4y_1y_4 + x_1(-$$

$$3x_4^2y_1^2 + 3y_1^2y_4^2) - 2x_4y_1^3y_4) + b^r_{3,0,0,0,0,0,0,0,2,0}(x_1^3x_5^2 - x_1^3y_5^2 - 6x_1^2x_5y_1y_5 + x_1(-$$

$$3x_5^2y_1^2 + 3y_1^2y_5^2) + 2x_5y_1^3y_5) + b^r_{3,0,2,0,0,0,0,0,0,0}(x_1^3x_2^2 - x_1^3y_2^2 - 6x_1^2x_2y_1y_2 + x_1(-$$

$$3x_2^2y_1^2 + 3y_1^2y_2^2) + 2x_2y_1^3y_2) + b^r_{4,0,1,0,0,0,0,0,0,0}(-4x_1^3y_1y_2 + 4x_1y_1^3y_2 + x_2(x_1^4 -$$

$$6x_1^2y_1^2 + y_1^4)) + b^r_{5,0,0,0,0,0,0,0,0,0}x_1(x_1^4 - 10x_1^2y_1^2 + 5y_1^4)$$

$$H^{(5)}_{XY} = b^r_{-1,0,-1,0,-1,0,-1,0,-1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 -$$

$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 -$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) - b^r_{-1,0,-1,0,-1,0,1,0,1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 +$$

$$x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 -$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) -$$

$$b^r_{-1,0,-1,0,1,0,-1,0,1,0}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 +$$

$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5)) + b^r_{-1,0,-2,0,-2,0,0,0,0,0}(x_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 -$$

$$2x_3y_2^2y_3) + y_1(x_2^2x_3^2 - x_2^2y_3^2 - 4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2)) +$$

$$b^r_{-1,0,-2,0,0,0,-2,0,0,0}(x_1(2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(x_2^2x_4^2 - x_2^2y_4^2 -$$

$$4x_2x_4y_2y_4 - x_4^2y_2^2 + y_2^2y_4^2)) - b^r_{-1,0,-2,0,0,0,0,0,2,0}(x_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 -$$

$$2x_5y_2^2y_5) + y_1(-x_2^2x_5^2 + x_2^2y_5^2 - 4x_2x_5y_2y_5 + x_5^2y_2^2 - y_2^2y_5^2)) +$$

$$b^r_{-1,0,0,0,-2,0,0,0,-2,0}(x_1(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_1(x_3^2x_5^2 - x_3^2y_5^2 -$$
$$4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) - b^r_{-1,0,0,0,-2,0,2,0,0,0}(x_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -$$
$$2x_4y_3^2y_4) + y_1(-x_3^2x_4^2 + x_3^2y_4^2 - 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) +$$
$$b^r_{-1,0,0,0,0,0,-2,0,-2,0}(x_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(x_4^2x_5^2 - x_4^2y_5^2 -$$
$$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b^r_{-1,0,0,0,0,0,0,0,0,2}y_1(x_5^2 + y_5^2)^2 + b^r_{-1,0,0,0,0,0,0,0,1,0,1}y_1(x_4^2 +$$
$$y_4^2)(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,0,0,0,2,0,0}y_1(x_4^2 + y_4^2)^2 - b^r_{-1,0,0,0,0,0,0,2,0,2,0}(x_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 -$$
$$2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(-x_4^2x_5^2 + x_4^2y_5^2 + 4x_4x_5y_4y_5 + x_5^2y_4^2 - y_4^2y_5^2)) +$$
$$b^r_{-1,0,0,0,0,1,0,0,0,1}y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{-1,0,0,0,0,1,0,1,0,0}y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$$
$$b^r_{-1,0,0,0,0,2,0,0,0,0}y_1(x_3^2 + y_3^2)^2 + b^r_{-1,0,0,0,2,0,-2,0,0,0}(x_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -$$
$$2x_4y_3^2y_4) + y_1(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2)) -$$
$$b^r_{-1,0,0,0,2,0,0,0,2,0}(x_1(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_1(-x_3^2x_5^2 + x_3^2y_5^2 +$$
$$4x_3x_5y_3y_5 + x_5^2y_3^2 - y_3^2y_5^2)) + b^r_{-1,0,0,1,0,0,0,0,0,1}y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) +$$
$$b^r_{-1,0,0,1,0,0,0,1,0,0}y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b^r_{-1,0,0,1,0,1,0,0,0,0}y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) +$$
$$b^r_{-1,0,0,2,0,0,0,0,0,0}y_1(x_2^2 + y_2^2)^2 + b^r_{-1,0,1,0,-1,0,1,0,-1,0}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 +$$
$$x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 -$$
$$x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) +$$
$$b^r_{-1,0,1,0,1,0,-1,0,-1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 -$$
$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) - b^r_{-1,0,1,0,1,0,1,0,1,0}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 -$$
$$x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$
$$x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) +$$
$$b^r_{-1,0,2,0,0,0,0,0,-2,0}(x_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 - 2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 +$$
$$4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2)) - b^r_{-1,0,2,0,0,0,0,2,0,0}(x_1(2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 -$$
$$2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2 + 4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) -$$
$$b^r_{-1,0,2,0,2,0,0,0,0,0}(x_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 - 2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 +$$
$$4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2)) + b^r_{-1,1,0,0,0,0,0,0,0,1}y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$
$$b^r_{-1,1,0,0,0,0,0,0,1,0,0}y_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b^r_{-1,1,0,0,0,0,1,0,0,0,0}y_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$
$$b^r_{-1,1,0,1,0,0,0,0,0,0,0}y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b^r_{-1,2,0,0,0,0,0,0,0,0,0}y_1(x_1^2 + y_1^2)^2 +$$
$$b^r_{-2,0,-1,0,-2,0,0,0,0,0}(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 - 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3 - 2x_3y_1^2y_3) +$$
$$y_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2)) + b^r_{-2,0,-1,0,0,0,-2,0,0,0}(x_1(2x_2x_4^2y_1 - 2x_2y_1y_4^2 -$$
$$4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4) + y_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2)) -$$
$$b^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 - 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5) + y_2(-$$
$$x_1^2x_5^2 + x_1^2y_5^2 + x_5^2y_1^2 - y_1^2y_5^2)) + b^r_{-2,0,0,0,-1,0,-1,0,-1,0}(x_1(2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 -$$
$$2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(x_1^2x_4x_5 -$$
$$x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5)) - b^r_{-2,0,0,0,-1,0,1,0,1,0}(x_1(-2x_3x_4x_5y_1 + 2x_3y_1y_4y_5 - 2x_4y_1y_3y_5 -$$
$$2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 + x_1^2y_4y_5 +$$
$$x_4x_5y_1^2 - y_1^2y_4y_5)) - b^r_{-2,0,0,0,1,0,-1,0,1,0}(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 -$$
$$2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(x_1^2x_4x_5 + x_1^2y_4y_5 -$$
$$x_4x_5y_1^2 - y_1^2y_4y_5)) - b^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) -$$
$$b^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(-2x_1x_2y_1 +$$
$$y_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) - b^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2 +$$
$$y_1^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) + b^r_{-3,0,0,0,-2,0,0,0,0,0}(2x_1^3x_3y_3 - 6x_1x_3y_1^2y_3 - x_3^2y_1^3 +$$
$$y_1^3y_3^2 + y_1(3x_1^2x_3^2 - 3x_1^2y_3^2)) + b^r_{-3,0,0,0,0,0,-2,0,0,0}(2x_1^3x_4y_4 - 6x_1x_4y_1^2y_4 - x_4^2y_1^3 +$$

$$y_1^3 y_4^2 + y_1(3x_1^2 x_4^2 - 3x_1^2 y_4^2)) - b_{-3,0,0,0,0,0,0,0,0,2,0}^r(2x_1^3 x_5 y_5 - 6x_1 x_5 y_1^2 y_5 + x_5^3 y_1^3 -$$

$$y_1^3 y_5^2 + y_1(-3x_1^2 x_5^2 + 3x_1^2 y_5^2)) - b_{-3,0,2,0,0,0,0,0,0,0,0}^r(2x_1^3 x_2 y_2 - 6x_1 x_2 y_1^2 y_2 + x_2^3 y_1^3 -$$

$$y_1^3 y_2^2 + y_1(-3x_1^2 x_2^2 + 3x_1^2 y_2^2)) + b_{0,0,-1,0,-2,0,0,0,-2,0}^r(x_2(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 -$$

$$2x_5 y_3^2 y_5) + y_2(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2)) -$$

$$b_{0,0,-1,0,-2,0,2,0,0,0}^r(x_2(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4) + y_2(-x_3^2 x_4^2 + x_3^2 y_4^2 -$$

$$4x_3 x_4 y_3 y_4 + x_4^2 y_3^2 - y_3^2 y_4^2)) + b_{0,0,-1,0,0,0,-2,0,-2,0}^r(x_2(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 -$$

$$2x_5 y_4^2 y_5) + y_2(x_4^2 x_5^2 - x_4^2 y_5^2 - 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2)) +$$

$$b_{0,0,-1,0,0,0,0,0,0,2}^r y_2(x_5^2 + y_5^2)^2 + b_{0,0,-1,0,0,0,0,0,1,0,1}^r y_2(x_4^2 + y_4^2)(x_5^2 + y_5^2) +$$

$$b_{0,0,-1,0,0,0,0,2,0,0}^r y_2(x_4^2 + y_4^2)^2 - b_{0,0,-1,0,0,0,2,0,2,0}^r(x_2(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 -$$

$$2x_5 y_4^2 y_5) + y_2(-x_4^2 x_5^2 + x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 + x_5^2 y_4^2 - y_4^2 y_5^2)) +$$

$$b_{0,0,-1,0,0,1,0,0,0,1}^r y_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{0,0,-1,0,0,1,0,1,0,0}^r y_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$$

$$b_{0,0,-1,0,0,2,0,0,0,0}^r y_2(x_3^2 + y_3^2)^2 + b_{0,0,-1,0,2,0,-2,0,0,0}^r(x_2(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 -$$

$$2x_4 y_3^2 y_4) + y_2(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2)) -$$

$$b_{0,0,-1,0,2,0,0,0,2,0}^r(x_2(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5) + y_2(-x_3^2 x_5^2 + x_3^2 y_5^2 +$$

$$4x_3 x_5 y_3 y_5 + x_5^2 y_3^2 - y_3^2 y_5^2)) + b_{0,0,-1,1,0,0,0,0,0,1}^r y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) +$$

$$b_{0,0,-1,1,0,0,0,1,0,0}^r y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{0,0,-1,1,0,1,0,0,0,0}^r y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) +$$

$$b_{0,0,-1,2,0,0,0,0,0,0}^r y_2(x_2^2 + y_2^2)^2 + b_{0,0,-2,0,-1,0,-1,0,-1,0}^r(x_2(2x_3 x_4 x_5 y_2 - 2x_3 y_2 y_4 y_5 - 2x_4 y_2 y_3 y_5 -$$

$$2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 + x_2^2 x_5 y_4 - x_4 y_2^2 y_5 - x_5 y_2^2 y_4) + y_3(x_2^2 x_4 x_5 - x_2^2 y_4 y_5 -$$

$$x_4 x_5 y_2^2 + y_2^2 y_4 y_5)) - b_{0,0,-2,0,-1,0,1,0,1,0}^r(x_2(-2x_3 x_4 x_5 y_2 + 2x_3 y_2 y_4 y_5 - 2x_4 y_2 y_3 y_5 -$$

$$2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 + x_2^2 x_5 y_4 - x_4 y_2^2 y_5 - x_5 y_2^2 y_4) + y_3(-x_2^2 x_4 x_5 + x_2^2 y_4 y_5 +$$

$$x_4 x_5 y_2^2 - y_2^2 y_4 y_5)) - b_{0,0,-2,0,1,0,-1,0,1,0}^r(x_2(-2x_3 x_4 x_5 y_2 - 2x_3 y_2 y_4 y_5 + 2x_4 y_2 y_3 y_5 -$$

$$2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 - x_2^2 x_5 y_4 - x_4 y_2^2 y_5 + x_5 y_2^2 y_4) + y_3(x_2^2 x_4 x_5 + x_2^2 y_4 y_5 -$$

$$x_4 x_5 y_2^2 - y_2^2 y_4 y_5)) + b_{0,0,-3,0,-2,0,0,0,0,0}^r(2x_2^3 x_3 y_3 - 6x_2 x_3 y_2^2 y_3 - x_3^3 y_2^3 + y_3^3 y_2^3 +$$

$$y_2(3x_2^2 x_3^2 - 3x_2^2 y_3^2)) + b_{0,0,-3,0,0,0,-2,0,0,0}^r(2x_2^3 x_4 y_4 - 6x_2 x_4 y_2^2 y_4 - x_4^3 y_2^3 + y_3^3 y_4^2 +$$

$$y_2(3x_2^2 x_4^2 - 3x_2^2 y_4^2)) - b_{0,0,-3,0,0,0,0,0,2,0}^r(2x_2^3 x_5 y_5 - 6x_2 x_5 y_2^2 y_5 + x_5^3 y_2^3 - y_2^3 y_5^2 + y_2(-$$

$$3x_2^2 x_5^2 + 3x_2^2 y_5^2)) + b_{0,0,0,0,-1,0,-1,0,-3,0}^r(x_3(3x_4 x_5^2 y_5 - x_4 y_5^3 + x_5^3 y_4 - 3x_5 y_4 y_5^2) +$$

$$y_3(x_4 x_5^3 - 3x_4 x_5 y_5^2 - 3x_5^2 y_4 y_5 + y_4 y_5^3)) - b_{0,0,0,0,-1,0,-1,0,3,0}^r(x_3(3x_4 x_5^2 y_5 - x_4 y_5^3 - x_5^3 y_4 +$$

$$3x_5 y_4 y_5^2) + y_3(-x_4 x_5^3 + 3x_4 x_5 y_5^2 - 3x_5^2 y_4 y_5 + y_4 y_5^3)) - b_{0,0,0,0,-1,0,-3,0,1,0}^r(x_3(x_4^3 y_5 -$$

$$3x_4^2 x_5 y_4 - 3x_4 y_4^2 y_5 + x_5 y_4^3) + y_3(-x_4^3 x_5 - 3x_4^2 y_4 y_5 + 3x_4 x_5 y_4^2 + y_4^3 y_5)) +$$

$$b_{0,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) + b_{0,0,0,0,-1,0,1,1,-1,0}^r(x_4^2 +$$

$$y_4^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) - b_{0,0,0,0,-1,0,3,0,1,0}^r(x_3(x_4^3 y_5 + 3x_4^2 x_5 y_4 - 3x_4 y_4^2 y_5 -$$

$$x_5 y_4^3) + y_3(-x_4^3 x_5 + 3x_4^2 y_4 y_5 + 3x_4 x_5 y_4^2 - y_4^3 y_5)) + b_{0,0,0,0,-1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_3(x_4 y_5 -$$

$$x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) - b_{0,0,0,0,-3,0,-1,0,1,0}^r(x_3(-3x_4 y_3^2 y_5 + 3x_5 y_3^2 y_4) + x_4(x_3^3 y_5 + x_5 y_3^3) + y_3(-$$

$$3x_3^2 x_4 x_5 - 3x_3^2 y_4 y_5) + y_4(-x_3^3 x_5 + y_3^3 y_5)) + b_{0,0,0,0,1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_3(x_4 y_5 + x_5 y_4) +$$

$$y_3(-x_4 x_5 + y_4 y_5)) + b_{0,0,0,0,1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-x_4 x_5 + y_4 y_5)) -$$

$$b_{0,0,0,0,1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) - b_{0,0,0,0,1,0,1,1,1,0}^r(x_4^2 +$$

$$y_4^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) + b_{0,0,0,0,1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-$$

$$x_4 x_5 + y_4 y_5)) - b_{0,0,0,0,1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) - b_{0,0,0,0,3,0,-1,0,1,0}^r(x_3(-$$

$$3x_4 y_3^2 y_5 + 3x_5 y_3^2 y_4) + x_4(x_3^3 y_5 - x_5 y_3^3) + y_3(3x_3^2 x_4 x_5 + 3x_3^2 y_4 y_5) + y_4(-x_3^3 x_5 -$$

$$y_3^3 y_5)) + b_{0,0,0,1,-1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) + b_{0,0,0,1,1,0,-1,0,-1,0}^r(x_2^2 +$$

$$y_2^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-x_4 x_5 + y_4 y_5)) - b_{0,0,0,1,1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 -$$

$$y_4 y_5)) + b_{0,0,1,0,-2,0,-2,0,0,0}^r(x_2(2x_3^2 x_4 y_4 + 2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4) + y_2(-x_3^2 x_4^2 +$$

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$$x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 + x_4^2 y_3^2 - y_3^2 y_4^2)) - b_{0,0,1,0,-2,0,0,0,2,0}^r(x_2(2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 +$$

$$2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5) + y_2(x_3^2 x_5^2 - x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2)) +$$

$$b_{0,0,1,0,-4,0,0,0,0,0}^r(x_2(4x_3^3 y_3 - 4x_3 y_3^3) + y_2(-x_3^4 + 6x_3^2 y_3^2 - y_3^4)) -$$

$$b_{0,0,1,0,0,0,-2,0,2,0}^r(x_2(2x_4^2 x_5 y_5 - 2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5) + y_2(x_4^2 x_5^2 - x_4^2 y_5^2 +$$

$$4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2)) + b_{0,0,1,0,0,0,-4,0,0,0}^r(x_2(4x_4^3 y_4 - 4x_4 y_4^3) + y_2(-x_4^4 + 6x_4^2 y_4^2 -$$

$$y_4^4)) + b_{0,0,1,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) - b_{0,0,1,0,0,0,0,0,4,0}^r(x_2(4x_5^3 y_5 -$$

$$4x_5 y_5^3) + y_2(x_5^4 - 6x_5^2 y_5^2 + y_5^4)) + b_{0,0,1,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) -$$

$$b_{0,0,1,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b_{0,0,1,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(2x_2 x_4 y_4 +$$

$$y_2(x_4^2 - y_4^2)) + b_{0,0,1,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) - b_{0,0,1,0,0,1,2,0,0,0}^r(x_3^2 +$$

$$y_3^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b_{0,0,1,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(2x_2 x_3 y_3 + y_2(x_3^2 - y_3^2)) -$$

$$b_{0,0,1,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_2 x_3 y_3 + y_2(x_3^2 - y_3^2)) - b_{0,0,1,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(2x_2 x_3 y_3 +$$

$$y_2(x_3^2 - y_3^2)) + b_{0,0,1,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) - b_{0,0,1,1,0,0,2,0,0,0}^r(x_2^2 +$$

$$y_2^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b_{0,0,1,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(2x_2 x_3 y_3 + y_2(x_3^2 - y_3^2)) -$$

$$b_{0,0,2,0,-1,0,-1,0,1,0}^r(x_2(2x_3 x_4 x_5 y_2 + 2x_3 y_2 y_4 y_5 + 2x_4 y_2 y_3 y_5 - 2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 -$$

$$x_2^2 x_5 y_4 - x_4 y_2^2 y_5 + x_5 y_2^2 y_4) + y_3(-x_2^2 x_4 x_5 - x_2^2 y_4 y_5 + x_4 x_5 y_2^2 + y_2^2 y_4 y_5)) +$$

$$b_{0,0,2,0,1,0,1,0,-1,0}^r(x_2(-2x_3 x_4 x_5 y_2 - 2x_3 y_2 y_4 y_5 - 2x_4 y_2 y_3 y_5 + 2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 -$$

$$x_2^2 x_5 y_4 - x_4 y_2^2 y_5 + x_5 y_2^2 y_4) + y_3(-x_2^2 x_4 x_5 - x_2^2 y_4 y_5 + x_4 x_5 y_2^2 + y_2^2 y_4 y_5)) +$$

$$b_{0,0,3,0,-2,0,0,0,0,0}^r(2x_2^3 x_3 y_3 - 6x_2 x_3 y_2^2 y_3 + x_3^3 y_2^3 - y_2^3 y_3^3 + y_2(-3x_2^2 x_3^2 + 3x_2^2 y_3^2)) +$$

$$b_{0,0,3,0,0,0,-2,0,0,0}^r(2x_2^3 x_4 y_4 - 6x_2 x_4 y_2^2 y_4 + x_4^2 y_2^3 - y_2^3 y_4^2 + y_2(-3x_2^2 x_4^2 + 3x_2^2 y_4^2)) -$$

$$b_{0,0,3,0,0,0,0,0,2,0}^r(2x_2^3 x_5 y_5 - 6x_2 x_5 y_2^2 y_5 - x_5^2 y_2^3 + y_2^3 y_5^2 + y_2(3x_2^2 x_5^2 - 3x_2^2 y_5^2)) -$$

$$b_{0,0,5,0,0,0,0,0,0,0}^r y_2(5x_2^4 - 10x_2^2 y_2^2 + y_2^4) + b_{0,1,-1,0,0,0,0,0,0,1}^r y_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$

$$b_{0,1,-1,0,0,0,0,1,0,0}^r y_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b_{0,1,-1,0,0,1,0,0,0,0}^r y_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$

$$b_{0,1,-1,1,0,0,0,0,0,0}^r y_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{0,1,0,0,-1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 +$$

$$y_4 y_5)) + b_{0,1,0,0,1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-x_4 x_5 + y_4 y_5)) - b_{0,1,0,0,1,0,1,0,1,0}^r(x_1^2 +$$

$$y_1^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) + b_{0,1,1,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) -$$

$$b_{0,1,1,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b_{0,1,1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_2 x_3 y_3 +$$

$$y_2(x_3^2 - y_3^2)) + b_{0,2,-1,0,0,0,0,0,0,0}^r y_2(x_1^2 + y_1^2)^2 + b_{1,0,-1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 +$$

$$x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + y_1(-x_2 x_3 x_4 x_5 -$$

$$x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) +$$

$$b_{1,0,-1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 +$$

$$x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + y_1(-x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 +$$

$$x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) - b_{1,0,-1,0,1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 -$$

$$x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + y_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 -$$

$$x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5)) +$$

$$b_{1,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(2x_1 x_2 y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1 x_2 y_2 + y_1(-$$

$$x_2^2 + y_2^2)) + b_{1,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(2x_1 x_2 y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,-2,1,0,0,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(2x_1 x_2 y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,0,0,-2,0,-2,0,0,0}^r(x_1(2x_3^2 x_4 y_4 + 2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 -$$

$$2x_4 y_3^2 y_4) + y_1(-x_3^2 x_4^2 + x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 + x_4^2 y_3^2 - y_3^2 y_4^2)) -$$

$$b_{1,0,0,0,-2,0,0,0,2,0}^r(x_1(2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5) + y_1(x_3^2 x_5^2 - x_3^2 y_5^2 +$$

$$4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2)) + b_{1,0,0,0,-4,0,0,0,0,0}^r(x_1(4x_3^3 y_3 - 4x_3 y_3^3) + y_1(-x_3^4 + 6x_3^2 y_3^2 -$$

$$y_3^4)) - b_{1,0,0,0,0,0,-2,0,2,0}^r(x_1(2x_4^2 x_5 y_5 - 2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5) + y_1(x_4^2 x_5^2 -$$

$$x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2)) + b_{1,0,0,0,0,0,-4,0,0,0}^r(x_1(4x_4^3 y_4 - 4x_4 y_4^3) + y_1(-x_4^4 +$$

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$$6x_4^2y_4^2 - y_4^4)) + b_{1,0,0,0,0,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2))-$$

$$b_{1,0,0,0,0,0,0,0,0,4,0}^r(x_1(4x_5^3y_5 - 4x_5y_5^3) + y_1(x_5^4 - 6x_5^2y_5^2 + y_5^4)) + b_{1,0,0,0,0,0,0,0,1,-2,0}^r(x_4^2+$$

$$y_4^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) - b_{1,0,0,0,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2))-$$

$$b_{1,0,0,0,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b_{1,0,0,0,0,0,1,0,0,0,-2,0}^r(x_3^2 + y_3^2)(2x_1x_5y_5 + y_1(-$$

$$x_5^2 + y_5^2)) - b_{1,0,0,0,0,0,1,2,0,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b_{1,0,0,0,0,2,0,0,0,0,1}^r(x_5^2+$$

$$y_5^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) - b_{1,0,0,0,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2))-$$

$$b_{1,0,0,0,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) + b_{1,0,0,1,0,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(2x_1x_5y_5 + y_1(-$$

$$x_5^2 + y_5^2)) - b_{1,0,0,1,0,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b_{1,0,0,1,2,0,0,0,0,0,0}^r(x_2^2+$$

$$y_2^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) - b_{1,0,1,0,-1,0,-1,0,1,0}^r(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3-$$

$$x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 + x_2x_3y_4y_5+$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5))+$$

$$b_{1,0,1,0,1,0,1,0,-1,0}^r(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5-$$

$$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) + b_{1,0,2,0,-2,0,0,0,0,0}^r(x_1(2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2-$$

$$2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 - 4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2))+$$

$$b_{1,0,2,0,0,0,-2,0,0,0}^r(x_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2-$$

$$4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) - b_{1,0,2,0,0,0,0,0,0,2,0}^r(x_1(2x_2^2x_5y_5 + 2x_2x_5^2y_2 - 2x_2y_2y_5^2-$$

$$2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 - 4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2))-$$

$$b_{1,0,4,0,0,0,0,0,0,0,0}^r(x_1(4x_2^3y_2 - 4x_2y_2^3) + y_1(x_2^4 - 6x_2^2y_2^2 + y_2^4)) + b_{1,1,-2,0,0,0,0,0,0,0}^r(x_1^2+$$

$$y_1^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,1,0,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2))-$$

$$b_{1,1,0,0,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b_{1,1,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_3y_3+$$

$$y_1(x_3^2 - y_3^2)) + b_{2,0,-1,0,0,0,0,0,-2,0}^r(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 + 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5-$$

$$2x_5y_1^2y_5) + y_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2)) - b_{2,0,-1,0,0,0,2,0,0,0}^r(x_1(2x_2x_4^2y_1-$$

$$2x_2y_1y_4^2 + 4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4) + y_2(-x_1^2x_4^2 + x_1^2y_4^2 + x_4^2y_1^2-$$

$$y_1^2y_4^2)) - b_{2,0,-1,0,2,0,0,0,0,0}^r(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 + 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3-$$

$$2x_3y_1^2y_3) + y_2(-x_1^2x_3^2 + x_1^2y_3^2 + x_3^2y_1^2 - y_1^2y_3^2)) + b_{2,0,-3,0,0,0,0,0,0,0}^r(-x_1^2y_2^3 + x_1(-$$

$$2x_2^3y_1 + 6x_2y_1y_2^2) + y_1^2y_2^3 + y_2(3x_1^2x_2^2 - 3x_2^2y_1^2)) - b_{2,0,0,0,-1,0,-1,0,1,0}^r(x_1(2x_3x_4x_5y_1+$$

$$2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-$$

$$x_1^2x_4x_5 - x_1^2y_4y_5 + x_4x_5y_1^2 + y_1^2y_4y_5)) + b_{2,0,0,0,0,1,0,1,0,-1,0}^r(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5-$$

$$2x_4y_1y_3y_5 + 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-x_1^2x_4x_5-$$

$$x_1^2y_4y_5 + x_4x_5y_1^2 + y_1^2y_4y_5)) + b_{2,0,1,0,-2,0,0,0,0,0}^r(x_1(-2x_2x_3^2y_1 + 2x_2y_1y_3^2 - 4x_3y_1y_2y_3)+$$

$$x_2(2x_1^2x_3y_3 - 2x_3y_1^2y_3) + y_2(-x_1^2x_3^2 + x_1^2y_3^2 + x_3^2y_1^2 - y_1^2y_3^2)) + b_{2,0,1,0,0,0,-2,0,0,0}^r(x_1(-$$

$$2x_2x_4^2y_1 + 2x_2y_1y_4^2 - 4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4) + y_2(-x_1^2x_4^2 + x_1^2y_4^2+$$

$$x_4^2y_1^2 - y_1^2y_4^2)) - b_{2,0,1,0,0,0,0,0,0,2,0}^r(x_1(2x_2x_5^2y_1 - 2x_2y_1y_5^2 - 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5-$$

$$2x_5y_1^2y_5) + y_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2)) - b_{2,0,3,0,0,0,0,0,0,0}^r(-x_1^2y_2^3+$$

$$x_1(2x_2^3y_1 - 6x_2y_1y_2^2) + y_1^2y_2^3 + y_2(3x_1^2x_2^2 - 3x_2^2y_1^2)) + b_{3,0,0,0,-2,0,0,0,0,0}^r(2x_1^3x_3y_3-$$

$$6x_1x_3y_1^2y_3 + x_3^2y_1^3 - y_1^3y_3^2 + y_1(-3x_1^2x_3^2 + 3x_1^2y_3^2)) + b_{3,0,0,0,0,0,-2,0,0,0}^r(2x_1^3x_4y_4-$$

$$6x_1x_4y_1^2y_4 + x_4^2y_1^3 - y_1^3y_4^2 + y_1(-3x_1^2x_4^2 + 3x_1^2y_4^2)) - b_{3,0,0,0,0,0,0,0,0,2,0}^r(2x_1^3x_5y_5-$$

$$6x_1x_5y_1^2y_5 - x_5^2y_1^3 + y_1^3y_5^2 + y_1(3x_1^2x_5^2 - 3x_1^2y_5^2)) - b_{3,0,2,0,0,0,0,0,0,0}^r(2x_1^3x_2y_2-$$

$$6x_1x_2y_1^2y_2 - x_2^2y_1^3 + y_1^3y_2^2 + y_1(3x_1^2x_2^2 - 3x_1^2y_2^2)) - b_{4,0,1,0,0,0,0,0,0,0}^r(4x_1^3x_2y_1-$$

$$4x_1x_2y_1^3 + y_2(x_1^4 - 6x_1^2y_1^2 + y_1^4)) - b_{5,0,0,0,0,0,0,0,0,0,0}^ry_1(5x_1^4 - 10x_1^2y_1^2 + y_1^4)$$

$$H_{YX}^{(5)} = b_{-1,0,-1,0,-1,0,-1,0,-1,0}^{r}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 -$$
$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 -$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) - b_{-1,0,-1,0,-1,0,1,0,1,0}^{r}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 +$$
$$x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 -$$
$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) -$$
$$b_{-1,0,-1,0,1,0,-1,0,1,0}^{r}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 +$$
$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5)) + b_{-1,0,-2,0,-2,0,0,0,0,0}^{r}(x_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 -$$
$$2x_3y_2^2y_3) + y_1(x_2^2x_3^2 - x_2^2y_3^2 - 4x_2x_3y_2y_3 - x_3^2y_2^2 + y_2^2y_3^2)) +$$
$$b_{-1,0,-2,0,0,0,0,-2,0,0,0,0}^{r}(x_1(2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(x_2^2x_4^2 - x_2^2y_4^2 -$$
$$4x_2x_4y_2y_4 - x_4^2y_2^2 + y_2^2y_4^2)) - b_{-1,0,-2,0,0,0,0,0,0,2,0}^{r}(x_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 -$$
$$2x_5y_2^2y_5) + y_1(-x_2^2x_5^2 + x_2^2y_5^2 - 4x_2x_5y_2y_5 + x_5^2y_2^2 - y_2^2y_5^2)) +$$
$$b_{-1,0,0,0,-2,0,0,0,-2,0}^{r}(x_1(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_1(x_3^2x_5^2 - x_3^2y_5^2 -$$
$$4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) - b_{-1,0,0,0,-2,0,2,0,0,0}^{r}(x_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -$$
$$2x_4y_3^2y_4) + y_1(-x_3^2x_4^2 + x_3^2y_4^2 - 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) +$$
$$b_{-1,0,0,0,0,0,-2,0,-2,0}^{r}(x_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(x_4^2x_5^2 - x_4^2y_5^2 -$$
$$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b_{-1,0,0,0,0,0,0,0,0,0,2}^{r}y_1(x_5^2 + y_5^2)^2 + b_{-1,0,0,0,0,0,0,1,0,1}^{r}y_1(x_4^2 +$$
$$y_4^2)(x_5^2 + y_5^2) + b_{-1,0,0,0,0,0,0,2,0,0}^{r}y_1(x_4^2 + y_4^2)^2 - b_{-1,0,0,0,0,0,2,0,2,0}^{r}(x_1(2x_4^2x_5y_5 + 2x_4x_5^2y_4 -$$
$$2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(-x_4^2x_5^2 + x_4^2y_5^2 + 4x_4x_5y_4y_5 + x_5^2y_4^2 - y_4^2y_5^2)) +$$
$$b_{-1,0,0,0,0,1,0,0,0,1}^{r}y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b_{-1,0,0,0,0,1,0,1,0,0}^{r}y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$$
$$b_{-1,0,0,0,0,2,0,0,0,0}^{r}y_1(x_3^2 + y_3^2)^2 + b_{-1,0,0,0,2,0,-2,0,0,0}^{r}(x_1(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -$$
$$2x_4y_3^2y_4) + y_1(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2)) -$$
$$b_{-1,0,0,0,2,0,0,0,2,0}^{r}(x_1(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_1(-x_3^2x_5^2 + x_3^2y_5^2 +$$
$$4x_3x_5y_3y_5 + x_5^2y_3^2 - y_3^2y_5^2)) + b_{-1,0,0,1,0,0,0,0,0,1}^{r}y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) +$$
$$b_{-1,0,0,1,0,0,0,1,0,0}^{r}y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b_{-1,0,0,1,0,1,0,0,0,0}^{r}y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) +$$
$$b_{-1,0,0,2,0,0,0,0,0,0}^{r}y_1(x_2^2 + y_2^2)^2 + b_{-1,0,1,0,-1,0,1,0,-1,0}^{r}(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 +$$
$$x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 -$$
$$x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) +$$
$$b_{-1,0,1,0,1,0,-1,0,-1,0}^{r}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 -$$
$$x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) - b_{-1,0,1,0,1,0,1,0,1,0}^{r}(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 -$$
$$x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$
$$x_2x_4y_3y_5 + x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) +$$
$$b_{-1,0,2,0,0,0,0,0,0,-2,0}^{r}(x_1(2x_2^2x_5y_5 - 2x_2x_5^2y_2 + 2x_2y_2y_5^2 - 2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 +$$
$$4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2)) - b_{-1,0,2,0,0,0,0,2,0,0,0}^{r}(x_1(2x_2^2x_4y_4 + 2x_2x_4^2y_2 - 2x_2y_2y_4^2 -$$
$$2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2 + 4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) -$$
$$b_{-1,0,2,0,2,0,0,0,0,0}^{r}(x_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 - 2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 +$$
$$4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2)) + b_{-1,1,0,0,0,0,0,0,0,0,1}^{r}y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$
$$b_{-1,1,0,0,0,0,0,1,0,0}^{r}y_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b_{-1,1,0,0,0,1,0,0,0,0}^{r}y_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$
$$b_{-1,1,0,1,0,0,0,0,0,0}^{r}y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b_{-1,2,0,0,0,0,0,0,0,0}^{r}y_1(x_1^2 + y_1^2)^2 +$$
$$b_{-2,0,-1,0,-2,0,0,0,0,0}^{r}(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 - 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3 - 2x_3y_1^2y_3) +$$
$$y_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2)) + b_{-2,0,-1,0,0,0,-2,0,0,0}^{r}(x_1(2x_2x_4^2y_1 - 2x_2y_1y_4^2 -$$

$$4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4) + y_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 + y_1^2y_4^2)) -$$

$$b^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 - 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5) + y_2(-$$

$$x_1^2x_5^2 + x_1^2y_5^2 + x_5^2y_1^2 - y_1^2y_5^2)) + b^r_{-2,0,0,0,-1,0,-1,0,-1,0}(x_1(2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 -$$

$$2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(x_1^2x_4x_5 -$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5)) - b^r_{-2,0,0,0,-1,0,1,0,1,0}(x_1(-2x_3x_4x_5y_1 + 2x_3y_1y_4y_5 - 2x_4y_1y_3y_5 -$$

$$2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 + x_1^2y_4y_5 +$$

$$x_4x_5y_1^2 - y_1^2y_4y_5)) - b^r_{-2,0,0,0,1,0,-1,0,1,0}(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 -$$

$$2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(x_1^2x_4x_5 + x_1^2y_4y_5 -$$

$$x_4x_5y_1^2 - y_1^2y_4y_5)) - b^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) -$$

$$b^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(-2x_1x_2y_1 +$$

$$y_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) - b^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(-2x_1x_2y_1 + y_2(x_1^2 - y_1^2)) + b^r_{-3,0,0,0,0,-2,0,0,0,0}(2x_1^3x_3y_3 - 6x_1x_3y_1^2y_3 - x_3^3y_1^3 +$$

$$y_1^3y_3^2 + y_1(3x_1^2x_3^2 - 3x_1^2y_3^2)) + b^r_{-3,0,0,0,0,0,-2,0,0,0}(2x_1^3x_4y_4 - 6x_1x_4y_1^2y_4 - x_4^2y_1^3 +$$

$$y_1^3y_4^2 + y_1(3x_1^2x_4^2 - 3x_1^2y_4^2)) - b^r_{-3,0,0,0,0,0,0,0,2,0}(2x_1^3x_5y_5 - 6x_1x_5y_1^2y_5 + x_5^2y_1^3 -$$

$$y_1^3y_5^2 + y_1(-3x_1^2x_5^2 + 3x_1^2y_5^2)) - b^r_{-3,0,2,0,0,0,0,0,0,0}(2x_1^3x_2y_2 - 6x_1x_2y_1^2y_2 + x_2^2y_1^3 -$$

$$y_1^3y_2^2 + y_1(-3x_1^2x_2^2 + 3x_1^2y_2^2)) + b^r_{0,0,-1,0,-2,0,0,0,-2,0}(x_2(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 -$$

$$2x_5y_3^2y_5) + y_2(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) -$$

$$b^r_{0,0,-1,0,-2,0,2,0,0,0}(x_2(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 - 2x_4y_3^2y_4) + y_2(-x_3^2x_4^2 + x_3^2y_4^2 -$$

$$4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) + b^r_{0,0,-1,0,0,0,0,-2,0,-2,0}(x_2(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 -$$

$$2x_5y_4^2y_5) + y_2(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) +$$

$$b^r_{0,0,-1,0,0,0,0,0,0,2}y_2(x_5^2 + y_5^2)^2 + b^r_{0,0,-1,0,0,0,0,1,0,1}y_2(x_4^2 + y_4^2)(x_5^2 + y_5^2) +$$

$$b^r_{0,0,-1,0,0,0,0,2,0,0}y_2(x_4^2 + y_4^2)^2 - b^r_{0,0,-1,0,0,0,2,0,2,0}(x_2(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 -$$

$$2x_5y_4^2y_5) + y_2(-x_4^2x_5^2 + x_4^2y_5^2 + 4x_4x_5y_4y_5 + x_5^2y_4^2 - y_4^2y_5^2)) +$$

$$b^r_{0,0,-1,0,0,1,0,0,0,1}y_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) + b^r_{0,0,-1,0,0,1,0,1,0,0}y_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$$

$$b^r_{0,0,-1,0,0,2,0,0,0,0}y_2(x_3^2 + y_3^2)^2 + b^r_{0,0,-1,0,2,0,-2,0,0,0}(x_2(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 -$$

$$2x_4y_3^2y_4) + y_2(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2)) -$$

$$b^r_{0,0,-1,0,2,0,0,0,2,0}(x_2(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_2(-x_3^2x_5^2 + x_3^2y_5^2 +$$

$$4x_3x_5y_3y_5 + x_5^2y_3^2 - y_3^2y_5^2)) + b^r_{0,0,-1,1,0,0,0,0,0,1}y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) +$$

$$b^r_{0,0,-1,1,0,0,0,1,0,0}y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) + b^r_{0,0,-1,1,0,1,0,0,0,0}y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) +$$

$$b^r_{0,0,-1,2,0,0,0,0,0,0}y_2(x_2^2 + y_2^2)^2 + b^r_{0,0,-2,0,-1,0,-1,0,-1,0}(x_2(2x_3x_4x_5y_2 - 2x_3y_2y_4y_5 - 2x_4y_2y_3y_5 -$$

$$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 + x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4) + y_3(x_2^2x_4x_5 - x_2^2y_4y_5 -$$

$$x_4x_5y_2^2 + y_2^2y_4y_5)) - b^r_{0,0,-2,0,-1,0,1,0,1,0}(x_2(-2x_3x_4x_5y_2 + 2x_3y_2y_4y_5 - 2x_4y_2y_3y_5 -$$

$$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 + x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4) + y_3(-x_2^2x_4x_5 + x_2^2y_4y_5 +$$

$$x_4x_5y_2^2 - y_2^2y_4y_5)) - b^r_{0,0,-2,0,1,0,-1,0,1,0}(x_2(-2x_3x_4x_5y_2 - 2x_3y_2y_4y_5 + 2x_4y_2y_3y_5 -$$

$$2x_5y_2y_3y_4) + x_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 + x_5y_2^2y_4) + y_3(x_2^2x_4x_5 + x_2^2y_4y_5 -$$

$$x_4x_5y_2^2 - y_2^2y_4y_5)) + b^r_{0,0,-3,0,-2,0,0,0,0,0}(2x_2^3x_3y_3 - 6x_2x_3y_2^2y_3 - x_3^3y_2^3 + y_2^3y_3^2 +$$

$$y_2(3x_2^2x_3^2 - 3x_2^2y_3^2)) + b^r_{0,0,-3,0,0,0,-2,0,0,0}(2x_2^3x_4y_4 - 6x_2x_4y_2^2y_4 - x_4^2y_2^3 + y_2^3y_4^2 +$$

$$y_2(3x_2^2x_4^2 - 3x_2^2y_4^2)) - b^r_{0,0,-3,0,0,0,0,0,2,0}(2x_2^3x_5y_5 - 6x_2x_5y_2^2y_5 + x_5^2y_2^3 - y_2^3y_5^2 + y_2(-$$

$$3x_2^2x_5^2 + 3x_2^2y_5^2)) + b^r_{0,0,0,0,-1,0,-1,0,-3,0}(x_3(3x_4x_5^2y_5 - x_4y_5^3 + x_5^3y_4 - 3x_5y_4y_5^2) +$$

$$y_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3)) - b^r_{0,0,0,0,-1,0,-1,0,3,0}(x_3(3x_4x_5^2y_5 - x_4y_5^3 - x_5^3y_4 +$$

$$3x_5y_4y_5^2) + y_3(-x_4x_5^3 + 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3)) - b^r_{0,0,0,0,-1,0,-3,0,1,0}(x_3(x_4^3y_5 -$$

$$3x_4^2x_5y_4 - 3x_4y_4^2y_5 + x_5y_4^3) + y_3(-x_4^3x_5 - 3x_4^2y_4y_5 + 3x_4x_5y_4^2 + y_4^3y_5)) +$$

$$b^r_{0,0,0,0,-1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) + b^r_{0,0,0,0,-1,0,1,1,-1,0}(x_4^2 +$$
$$y_4^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) - b^r_{0,0,0,0,-1,0,3,0,1,0}(x_3(x_4^3 y_5 + 3x_4^2 x_5 y_4 - 3x_4 y_4^2 y_5 -$$
$$x_5 y_4^3) + y_3(-x_4^3 x_5 + 3x_4^2 y_4 y_5 + 3x_4 x_5 y_4^2 - y_4^3 y_5)) + b^r_{0,0,0,0,-1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4 y_5 -$$
$$x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) - b^r_{0,0,0,0,-3,0,-1,0,1,0}(x_3(-3x_4 y_3^2 y_5 + 3x_5 y_3^2 y_4) + x_4(x_3^3 y_5 + x_5 y_3^3) + y_3(-$$
$$3x_3^2 x_4 x_5 - 3x_3^2 y_4 y_5) + y_4(-x_3^3 x_5 + y_3^3 y_5)) + b^r_{0,0,0,0,1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_3(x_4 y_5 + x_5 y_4) +$$
$$y_3(-x_4 x_5 + y_4 y_5)) + b^r_{0,0,0,0,1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-x_4 x_5 + y_4 y_5)) -$$
$$b^r_{0,0,0,0,1,0,1,0,1,1}(x_5^2 + y_5^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) - b^r_{0,0,0,0,1,0,1,1,1,0}(x_4^2 +$$
$$y_4^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) + b^r_{0,0,0,0,1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-$$
$$x_4 x_5 + y_4 y_5)) - b^r_{0,0,0,0,1,1,1,0,1,0}(x_3^2 + y_3^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) - b^r_{0,0,0,0,3,0,-1,0,1,0}(x_3(-$$
$$3x_4 y_3^2 y_5 + 3x_5 y_3^2 y_4) + x_4(x_3^3 y_5 - x_5 y_3^3) + y_3(3x_3^2 x_4 x_5 + 3x_3^2 y_4 y_5) + y_4(-x_3^3 x_5 -$$
$$y_3^3 y_5)) + b^r_{0,0,0,1,-1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 + y_4 y_5)) + b^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2 +$$
$$y_2^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-x_4 x_5 + y_4 y_5)) - b^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2 + y_2^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 -$$
$$y_4 y_5)) + b^r_{0,0,1,0,-2,0,-2,0,0,0}(x_2(2x_3^2 x_4 y_4 + 2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4) + y_2(-x_3^2 x_4^2 +$$
$$x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 + x_4^2 y_3^2 - y_3^2 y_4^2)) - b^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 +$$
$$2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5) + y_2(x_3^2 x_5^2 - x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2)) +$$
$$b^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(4x_3^3 y_3 - 4x_3 y_3^3) + y_2(-x_3^4 + 6x_3^2 y_3^2 - y_3^4)) -$$
$$b^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(2x_4^2 x_5 y_5 - 2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5) + y_2(x_4^2 x_5^2 - x_4^2 y_5^2 +$$
$$4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2)) + b^r_{0,0,1,0,0,0,-4,0,0,0}(x_2(4x_4^3 y_4 - 4x_4 y_4^3) + y_2(-x_4^4 + 6x_4^2 y_4^2 -$$
$$y_4^4)) + b^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) - b^r_{0,0,1,0,0,0,0,0,0,4,0}(x_2(4x_5^3 y_5 -$$
$$4x_5 y_5^3) + y_2(x_5^4 - 6x_5^2 y_5^2 + y_5^4)) + b^r_{0,0,1,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) -$$
$$b^r_{0,0,1,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b^r_{0,0,1,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_2 x_4 y_4 +$$
$$y_2(x_4^2 - y_4^2)) + b^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) - b^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2 +$$
$$y_3^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_2 x_3 y_3 + y_2(x_3^2 - y_3^2)) -$$
$$b^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_2 x_3 y_3 + y_2(x_3^2 - y_3^2)) - b^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_2 x_3 y_3 +$$
$$y_2(x_3^2 - y_3^2)) + b^r_{0,0,1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) - b^r_{0,0,1,1,0,0,2,0,0,0}(x_2^2 +$$
$$y_2^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b^r_{0,0,1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_2 x_3 y_3 + y_2(x_3^2 - y_3^2)) -$$
$$b^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(2x_3 x_4 x_5 y_2 + 2x_3 y_2 y_4 y_5 + 2x_4 y_2 y_3 y_5 - 2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 -$$
$$x_2^2 x_5 y_4 - x_4 y_2^2 y_5 + x_5 y_2^2 y_4) + y_3(-x_2^2 x_4 x_5 - x_2^2 y_4 y_5 + x_4 x_5 y_2^2 + y_2^2 y_4 y_5)) +$$
$$b^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(-2x_3 x_4 x_5 y_2 - 2x_3 y_2 y_4 y_5 - 2x_4 y_2 y_3 y_5 + 2x_5 y_2 y_3 y_4) + x_3(x_2^2 x_4 y_5 -$$
$$x_2^2 x_5 y_4 - x_4 y_2^2 y_5 + x_5 y_2^2 y_4) + y_3(-x_2^2 x_4 x_5 - x_2^2 y_4 y_5 + x_4 x_5 y_2^2 + y_2^2 y_4 y_5)) +$$
$$b^r_{0,0,3,0,-2,0,0,0,0,0}(2x_2^3 x_3 y_3 - 6x_2 x_3 y_2^2 y_3 + x_3^2 y_2^3 - y_2^3 y_3^2 + y_2(-3x_2^2 x_3^2 + 3x_2^2 y_3^2)) +$$
$$b^r_{0,0,3,0,0,0,-2,0,0,0}(2x_2^3 x_4 y_4 - 6x_2 x_4 y_2^2 y_4 + x_4^2 y_2^3 - y_2^3 y_4^2 + y_2(-3x_2^2 x_4^2 + 3x_2^2 y_4^2)) -$$
$$b^r_{0,0,3,0,0,0,0,0,2,0}(2x_2^3 x_5 y_5 - 6x_2 x_5 y_2^2 y_5 - x_5^2 y_2^3 + y_2^3 y_5^2 + y_2(3x_2^2 x_5^2 - 3x_2^2 y_5^2)) -$$
$$b^r_{0,0,5,0,0,0,0,0,0,0} y_2(5x_2^4 - 10x_2^2 y_2^2 + y_2^4) + b^r_{0,1,-1,0,0,0,0,0,0,1} y_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$
$$b^r_{0,1,-1,0,0,0,0,1,0,0} y_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b^r_{0,1,-1,0,0,1,0,0,0,0} y_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$
$$b^r_{0,1,-1,1,0,0,0,0,0,0} y_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b^r_{0,1,0,0,-1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_3(x_4 y_5 - x_5 y_4) + y_3(x_4 x_5 +$$
$$y_4 y_5)) + b^r_{0,1,0,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(-x_4 x_5 + y_4 y_5)) - b^r_{0,1,0,0,1,0,1,0,1,0}(x_1^2 +$$
$$y_1^2)(x_3(x_4 y_5 + x_5 y_4) + y_3(x_4 x_5 - y_4 y_5)) + b^r_{0,1,1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(2x_2 x_5 y_5 + y_2(-x_5^2 + y_5^2)) -$$
$$b^r_{0,1,1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(2x_2 x_4 y_4 + y_2(x_4^2 - y_4^2)) - b^r_{0,1,1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(2x_2 x_3 y_3 +$$
$$y_2(x_3^2 - y_3^2)) + b^r_{0,2,-1,0,0,0,0,0,0,0} y_2(x_1^2 + y_1^2)^2 + b^r_{1,0,-1,0,-1,0,1,0,-1,0}(x_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 +$$
$$x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) + y_1(-x_2 x_3 x_4 x_5 -$$
$$x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5)) +$$

$b_{1,0,-1,0,1,0,-1,0,-1,0}^r(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 +$
$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$
$x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5)) - b_{1,0,-1,0,1,0,1,0,1,0}^r(x_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 -$
$x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 -$
$x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)) +$
$b_{1,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_2y_2 + y_1(-$
$x_2^2 + y_2^2)) + b_{1,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,-2,1,0,0,0,0,0,0}^r(x_2^2 +$
$y_2^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,0,0,0,-2,0,-2,0,0,0}^r(x_1(2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 -$
$2x_4y_3^2y_4) + y_1(-x_3^2x_4^2 + x_3^2y_4^2 + 4x_3x_4y_3y_4 + x_4^2y_3^2 - y_3^2y_4^2)) -$
$b_{1,0,0,0,-2,0,0,0,2,0}^r(x_1(2x_3^2x_5y_5 - 2x_3x_5^2y_3 + 2x_3y_3y_5^2 - 2x_5y_3^2y_5) + y_1(x_3^2x_5^2 - x_3^2y_5^2 +$
$4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2)) + b_{1,0,0,0,-4,0,0,0,0,0}^r(x_1(4x_3^3y_3 - 4x_3y_3^3) + y_1(-x_3^4 + 6x_3^2y_3^2 -$
$y_3^4)) - b_{1,0,0,0,0,0,-2,0,2,0}^r(x_1(2x_4^2x_5y_5 - 2x_4x_5^2y_4 + 2x_4y_4y_5^2 - 2x_5y_4^2y_5) + y_1(x_4^2x_5^2 -$
$x_4^2y_5^2 + 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2)) + b_{1,0,0,0,0,0,-4,0,0,0}^r(x_1(4x_4^3y_4 - 4x_4y_4^3) + y_1(-x_4^4 +$
$6x_4^2y_4^2 - y_4^4)) + b_{1,0,0,0,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) -$
$b_{1,0,0,0,0,0,0,0,0,4,0}^r(x_1(4x_5^3y_5 - 4x_5y_5^3) + y_1(x_5^4 - 6x_5^2y_5^2 + y_5^4)) + b_{1,0,0,0,0,0,0,0,1,-2,0}^r(x_4^2 +$
$y_4^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) - b_{1,0,0,0,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) -$
$b_{1,0,0,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) + b_{1,0,0,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(2x_1x_5y_5 + y_1(-$
$x_5^2 + y_5^2)) - b_{1,0,0,0,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b_{1,0,0,0,2,0,0,0,0,0,1}^r(x_5^2 +$
$y_5^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) - b_{1,0,0,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) -$
$b_{1,0,0,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) + b_{1,0,0,1,0,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(2x_1x_5y_5 + y_1(-$
$x_5^2 + y_5^2)) - b_{1,0,0,1,0,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b_{1,0,0,1,2,0,0,0,0,0}^r(x_2^2 +$
$y_2^2)(2x_1x_3y_3 + y_1(x_3^2 - y_3^2)) - b_{1,0,1,0,-1,0,-1,0,1,0}^r(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 -$
$x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + y_1(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$
$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) +$
$b_{1,0,1,0,1,0,1,0,1,0,-1,0}^r(x_1(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 -$
$x_4y_2y_3y_5 + x_5y_2y_3y_4) + y_1(-x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 +$
$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5)) + b_{1,0,2,0,-2,0,0,0,0,0}^r(x_1(2x_2^2x_3y_3 - 2x_2x_3^2y_2 + 2x_2y_2y_3^2 -$
$2x_3y_2^2y_3) + y_1(-x_2^2x_3^2 + x_2^2y_3^2 - 4x_2x_3y_2y_3 + x_3^2y_2^2 - y_2^2y_3^2)) +$
$b_{1,0,2,0,0,0,-2,0,0,0}^r(x_1(2x_2^2x_4y_4 - 2x_2x_4^2y_2 + 2x_2y_2y_4^2 - 2x_4y_2^2y_4) + y_1(-x_2^2x_4^2 + x_2^2y_4^2 -$
$4x_2x_4y_2y_4 + x_4^2y_2^2 - y_2^2y_4^2)) - b_{1,0,2,0,0,0,0,0,0,2,0}^r(x_1(2x_2^2x_5y_5 + 2x_2x_5^2y_2 - 2x_2y_2y_5^2 -$
$2x_5y_2^2y_5) + y_1(x_2^2x_5^2 - x_2^2y_5^2 - 4x_2x_5y_2y_5 - x_5^2y_2^2 + y_2^2y_5^2)) -$
$b_{1,0,4,0,0,0,0,0,0,0}^r(x_1(4x_2^3y_2 - 4x_2y_2^3) + y_1(x_2^4 - 6x_2^2y_2^2 + y_2^4)) + b_{1,1,-2,0,0,0,0,0,0,0}^r(x_1^2 +$
$y_1^2)(2x_1x_2y_2 + y_1(-x_2^2 + y_2^2)) + b_{1,1,0,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(2x_1x_5y_5 + y_1(-x_5^2 + y_5^2)) -$
$b_{1,1,0,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_4y_4 + y_1(x_4^2 - y_4^2)) - b_{1,1,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_3y_3 +$
$y_1(x_3^2 - y_3^2)) + b_{2,0,-1,0,0,0,0,0,0,-2,0}^r(x_1(-2x_2x_5^2y_1 + 2x_2y_1y_5^2 + 4x_5y_1y_2y_5) + x_2(2x_1^2x_5y_5 -$
$2x_5y_1^2y_5) + y_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2)) - b_{2,0,-1,0,0,0,0,2,0,0,0}^r(x_1(2x_2x_4^2y_1 -$
$2x_2y_1y_4^2 + 4x_4y_1y_2y_4) + x_2(2x_1^2x_4y_4 - 2x_4y_1^2y_4) + y_2(-x_1^2x_4^2 + x_1^2y_4^2 + x_4^2y_1^2 -$
$y_1^2y_4^2)) - b_{2,0,-1,0,2,0,0,0,0,0}^r(x_1(2x_2x_3^2y_1 - 2x_2y_1y_3^2 + 4x_3y_1y_2y_3) + x_2(2x_1^2x_3y_3 -$
$2x_3y_1^2y_3) + y_2(-x_1^2x_3^2 + x_1^2y_3^2 + x_3^2y_1^2 - y_1^2y_3^2)) + b_{2,0,-3,0,0,0,0,0,0,0}^r(-x_1^2y_2^3 + x_1(-$
$2x_2^3y_1 + 6x_2y_1y_2^2) + y_1^2y_2^3 + y_2(3x_1^2x_2^2 - 3x_2^2y_1^2)) - b_{2,0,0,0,-1,0,-1,0,1,0}^r(x_1(2x_3x_4x_5y_1 +$
$2x_3y_1y_4y_5 + 2x_4y_1y_3y_5 - 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-$
$x_1^2x_4x_5 - x_1^2y_4y_5 + x_4x_5y_1^2 + y_1^2y_4y_5)) + b_{2,0,0,0,0,1,0,1,0,-1,0}^r(x_1(-2x_3x_4x_5y_1 - 2x_3y_1y_4y_5 -$
$2x_4y_1y_3y_5 + 2x_5y_1y_3y_4) + x_3(x_1^2x_4y_5 - x_1^2x_5y_4 - x_4y_1^2y_5 + x_5y_1^2y_4) + y_3(-x_1^2x_4x_5 -$

$$x_1^2 y_4 y_5 + x_4 x_5 y_1^2 + y_1^2 y_4 y_5)) + b^r_{2,0,1,0,-2,0,0,0,0,0}(x_1(-2x_2 x_3^2 y_1 + 2x_2 y_1 y_3^2 - 4x_3 y_1 y_2 y_3)+$$

$$x_2(2x_1^2 x_3 y_3 - 2x_3 y_1^2 y_3) + y_2(-x_1^2 x_3^2 + x_1^2 y_3^2 + x_3^2 y_1^2 - y_1^2 y_3^2)) + b^r_{2,0,1,0,0,0,-2,0,0,0}(x_1(-$$

$$2x_2 x_4^2 y_1 + 2x_2 y_1 y_4^2 - 4x_4 y_1 y_2 y_4) + x_2(2x_1^2 x_4 y_4 - 2x_4 y_1^2 y_4) + y_2(-x_1^2 x_4^2 + x_1^2 y_4^2+$$

$$x_4^2 y_1^2 - y_1^2 y_4^2)) - b^r_{2,0,1,0,0,0,0,0,2,0}(x_1(2x_2 x_5^2 y_1 - 2x_2 y_1 y_5^2 - 4x_5 y_1 y_2 y_5) + x_2(2x_1^2 x_5 y_5-$$

$$2x_5 y_1^2 y_5) + y_2(x_1^2 x_5^2 - x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2)) - b^r_{2,0,3,0,0,0,0,0,0,0}(-x_1^2 y_2^3+$$

$$x_1(2x_2^3 y_1 - 6x_2 y_1 y_2^2) + y_1^2 y_2^3 + y_2(3x_1^2 x_2^2 - 3x_2^2 y_1^2)) + b^r_{3,0,0,0,-2,0,0,0,0,0}(2x_1^3 x_3 y_3-$$

$$6x_1 x_3 y_1^2 y_3 + x_3^3 y_1^3 - y_1^3 y_3^3 + y_1(-3x_1^2 x_3^2 + 3x_1^2 y_3^2)) + b^r_{3,0,0,0,0,0,-2,0,0,0}(2x_1^3 x_4 y_4-$$

$$6x_1 x_4 y_1^2 y_4 + x_4^3 y_1^3 - y_1^3 y_4^3 + y_1(-3x_1^2 x_4^2 + 3x_1^2 y_4^2)) - b^r_{3,0,0,0,0,0,0,0,2,0}(2x_1^3 x_5 y_5-$$

$$6x_1 x_5 y_1^2 y_5 - x_5^3 y_1^3 + y_1^3 y_5^2 + y_1(3x_1^2 x_5^2 - 3x_1^2 y_5^2)) - b^r_{3,0,2,0,0,0,0,0,0,0}(2x_1^3 x_2 y_2-$$

$$6x_1 x_2 y_1^2 y_2 - x_2^3 y_1^3 + y_1^3 y_2^2 + y_1(3x_1^2 x_2^2 - 3x_1^2 y_2^2)) - b^r_{4,0,1,0,0,0,0,0,0,0}(4x_1^3 x_2 y_1-$$

$$4x_1 x_2 y_1^3 + y_2(x_1^4 - 6x_1^2 y_1^2 + y_1^4)) - b^r_{5,0,0,0,0,0,0,0,0,0} y_1(5x_1^4 - 10x_1^2 y_1^2 + y_1^4)$$

$$H_{YY}^{(5)} = a^r_{0,0,0,0,0,1,0,-1,0,-3,0}(x_3(x_4 x_5^3 - 3x_4 x_5 y_5^2 - 3x_5^2 y_4 y_5 + y_4 y_5^3) + y_3(3x_4 x_5^2 y_5 - x_4 y_5^3 + x_5^3 y_4-$$

$$3x_5 y_4 y_5^2)) + a^r_{0,0,0,0,0,1,0,-1,0,3,0}(x_3(x_4 x_5^3 - 3x_4 x_5 y_5^2 + 3x_5^2 y_4 y_5 - y_4 y_5^3) + y_3(-3x_4 x_5^2 y_5+$$

$$x_4 y_5^3 + x_5^3 y_4 - 3x_5 y_4 y_5^2)) + a^r_{0,0,0,0,0,1,0,-3,0,1,0}(x_3(x_4^3 x_5 + 3x_4^2 y_4 y_5 - 3x_4 x_5 y_4^2 - y_4^3 y_5)+$$

$$y_3(-x_4^3 y_5 + 3x_4^2 x_5 y_4 + 3x_4 y_4^2 y_5 - x_5 y_4^3)) + a^r_{0,0,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_3(x_4 x_5 + y_4 y_5)+$$

$$y_3(x_4 y_5 - x_5 y_4)) + a^r_{0,0,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4 x_5 + y_4 y_5) + y_3(x_4 y_5 - x_5 y_4))+$$

$$a^r_{0,0,0,0,0,1,0,3,0,1,0}(x_3(x_4^3 x_5 - 3x_4^2 y_4 y_5 - 3x_4 x_5 y_4^2 + y_4^3 y_5) + y_3(-x_4^3 y_5 - 3x_4^2 x_5 y_4+$$

$$3x_4 y_4^2 y_5 + x_5 y_4^3)) + a^r_{0,0,0,0,1,1,1,0,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4 x_5 + y_4 y_5) + y_3(x_4 y_5 - x_5 y_4))+$$

$$a^r_{0,0,0,0,3,0,-1,0,-1,0}(x_3(-3x_4 x_5 y_3^2 + 3y_3^2 y_4 y_5) + x_4(x_3^3 x_5 - y_3^3 y_5) + y_3(3x_3^2 x_4 y_5 + 3x_3^2 x_5 y_4)+$$

$$y_4(-x_3^3 y_5 - x_5 y_3^3)) + a^r_{0,0,0,0,3,0,1,0,1,0}(x_3(-3x_4 x_5 y_3^2 + 3y_3^2 y_4 y_5) + x_4(x_3^3 x_5 + y_3^3 y_5) + y_3(-$$

$$3x_3^2 x_4 y_5 - 3x_3^2 x_5 y_4) + y_4(-x_3^3 y_5 + x_5 y_3^3)) + a^r_{0,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4 x_5 + y_4 y_5)+$$

$$y_3(x_4 y_5 - x_5 y_4)) + a^r_{0,0,1,0,-2,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_2(x_3^2 - y_3^2) + 2x_3 y_2 y_3) + a^r_{0,0,1,0,-2,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_2(x_3^2 - y_3^2) + 2x_3 y_2 y_3) + a^r_{0,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2(x_3^2 - y_3^2) + 2x_3 y_2 y_3)+$$

$$a^r_{0,0,1,0,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_2(x_4^2 - y_4^2) + 2x_4 y_2 y_4) + a^r_{0,0,1,0,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(x_2(x_4^2 - y_4^2)+$$

$$2x_4 y_2 y_4) + a^r_{0,0,1,0,0,0,0,0,0,-4,0}(x_2(x_5^4 - 6x_5^2 y_5^2 + y_5^4) + y_2(4x_5^3 y_5 - 4x_5 y_5^3))+$$

$$a^r_{0,0,1,0,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(x_2(x_5^2 - y_5^2) - 2x_5 y_2 y_5) + a^r_{0,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_2(x_5^2 - y_5^2)-$$

$$2x_5 y_2 y_5) + a^r_{0,0,1,0,0,0,0,2,0,-2,0}(x_2(x_4^2 x_5^2 - x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2)+$$

$$y_2(2x_4^2 x_5 y_5 - 2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5)) + a^r_{0,0,1,0,0,0,0,4,0,0,0}(x_2(x_4^4 - 6x_4^2 y_4^2 + y_4^4)+$$

$$y_2(-4x_4^3 y_4 + 4x_4 y_4^3)) + a^r_{0,0,1,0,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_2(x_4^2 - y_4^2) + 2x_4 y_2 y_4)+$$

$$a^r_{0,0,1,0,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_2(x_5^2 - y_5^2) - 2x_5 y_2 y_5) + a^r_{0,0,1,0,2,0,0,0,0,-2,0}(x_2(x_3^2 x_5^2 - x_3^2 y_5^2+$$

$$4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_2(2x_3^2 x_5 y_5 - 2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 - 2x_5 y_3^2 y_5))+$$

$$a^r_{0,0,1,0,2,0,2,0,0,0}(x_2(x_3^2 x_4^2 - x_3^2 y_4^2 - 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_2(-2x_3^2 x_4 y_4-$$

$$2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 + 2x_4 y_3^2 y_4)) + a^r_{0,0,1,0,4,0,0,0,0,0,0}(x_2(x_3^4 - 6x_3^2 y_3^2 + y_3^4) + y_2(-4x_3^3 y_3+$$

$$4x_3 y_3^3)) + a^r_{0,0,1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3^2 - y_3^2) + 2x_3 y_2 y_3) + a^r_{0,0,1,1,0,0,-2,0,0,0}(x_2^2+$$

$$y_2^2)(x_2(x_4^2 - y_4^2) + 2x_4 y_2 y_4) + a^r_{0,0,1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_2(x_5^2 - y_5^2) - 2x_5 y_2 y_5)+$$

$$a^r_{0,0,2,0,-1,0,-1,0,-1,0}(x_2(2x_3 x_4 y_2 y_5 + 2x_3 x_5 y_2 y_4 + 2x_4 x_5 y_2 y_3 - 2y_2 y_3 y_4 y_5) + x_3(x_2^2 x_4 x_5-$$

$$x_2^2 y_4 y_5 - x_4 x_5 y_2^2 + y_2^2 y_4 y_5) + y_3(-x_2^2 x_4 y_5 - x_2^2 x_5 y_4 + x_4 y_2^2 y_5 + x_5 y_2^2 y_4))+$$

$$a^r_{0,0,2,0,-1,0,1,0,1,0}(x_2(-2x_3 x_4 y_2 y_5 - 2x_3 x_5 y_2 y_4 + 2x_4 x_5 y_2 y_3 - 2y_2 y_3 y_4 y_5) + x_3(x_2^2 x_4 x_5-$$

$$x_2^2 y_4 y_5 - x_4 x_5 y_2^2 + y_2^2 y_4 y_5) + y_3(x_2^2 x_4 y_5 + x_2^2 x_5 y_4 - x_4 y_2^2 y_5 - x_5 y_2^2 y_4))+$$

$$a^r_{0,0,2,0,1,0,-1,0,1,0}(x_2(-2x_3 x_4 y_2 y_5 + 2x_3 x_5 y_2 y_4 - 2x_4 x_5 y_2 y_3 - 2y_2 y_3 y_4 y_5) + x_3(x_2^2 x_4 x_5+$$

$$x_2^2 y_4 y_5 - x_4 x_5 y_2^2 - y_2^2 y_4 y_5) + y_3(-x_2^2 x_4 y_5 + x_2^2 x_5 y_4 + x_4 y_2^2 y_5 - x_5 y_2^2 y_4))+$$

$$a^r_{0,0,3,0,0,0,0,0,0,0,1}x_2(x_2^2-3y_2^2)(x_5^2+y_5^2)+a^r_{0,0,3,0,0,0,0,0,1,0,0}x_2(x_2^2-3y_2^2)(x_4^2+y_4^2)+$$

$$a^r_{0,0,3,0,0,1,0,0,0,0,0}x_2(x_2^2-3y_2^2)(x_3^2+y_3^2)+a^r_{0,0,3,1,0,0,0,0,0,0,0}x_2(x_2^2-3y_2^2)(x_2^2+y_2^2)+$$

$$a^r_{0,1,0,0,1,0,1,0,-1,0}(x_1^2+y_1^2)(x_3(x_4x_5+y_4y_5)+y_3(x_4y_5-x_5y_4))+a^r_{0,1,1,0,-2,0,0,0,0,0}(x_1^2+$$

$$y_1^2)(x_2(x_3^2-y_3^2)+2x_3y_2y_3)+a^r_{0,1,1,0,0,0,-2,0,0,0,0}(x_1^2+y_1^2)(x_2(x_4^2-y_4^2)+2x_4y_2y_4)+$$

$$a^r_{0,1,1,0,0,0,0,0,0,2,0}(x_1^2+y_1^2)(x_2(x_5^2-y_5^2)-2x_5y_2y_5)+a^r_{0,1,3,0,0,0,0,0,0,0,0}x_2(x_1^2+y_1^2)(x_2^2-3y_2^2)+$$

$$a^r_{1,0,-1,0,-1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5+x_2x_4y_3y_5-x_2x_5y_3y_4+x_3x_4y_2y_5-x_3x_5y_2y_4-$$

$$x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(-x_2x_3x_4y_5+x_2x_3x_5y_4+x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5+x_4y_2y_3y_5-x_5y_2y_3y_4))+a^r_{1,0,-1,0,1,0,1,0,-1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5+x_2x_4y_3y_5-$$

$$x_2x_5y_3y_4-x_3x_4y_2y_5+x_3x_5y_2y_4+x_4x_5y_2y_3+y_2y_3y_4y_5)+y_1(x_2x_3x_4y_5-x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3-x_2y_3y_4y_5+x_3x_4x_5y_2+x_3y_2y_4y_5+x_4y_2y_3y_5-x_5y_2y_3y_4))+$$

$$a^r_{1,0,-2,0,0,0,0,0,-2,0}(x_1(x_2^2x_5^2-x_2^2y_5^2-4x_2x_5y_2y_5-x_5^2y_2^2+y_2^2y_5^2)+y_1(2x_2^2x_5y_5+$$

$$2x_2x_5^2y_2-2x_2y_2y_5^2-2x_5y_2^2y_5))+a^r_{1,0,-2,0,0,0,2,0,0,0}(x_1(x_2^2x_4^2-x_2^2y_4^2+4x_2x_4y_2y_4-$$

$$x_4^2y_2^2+y_2^2y_4^2)+y_1(-2x_2^2x_4y_4+2x_2x_4^2y_2-2x_2y_2y_4^2+2x_4y_2^2y_4))+$$

$$a^r_{1,0,-2,0,2,0,0,0,0,0}(x_1(x_2^2x_3^2-x_2^2y_3^2+4x_2x_3y_2y_3-x_3^2y_2^2+y_2^2y_3^2)+y_1(-2x_2^2x_3y_3+$$

$$2x_2x_3^2y_2-2x_2y_2y_3^2+2x_3y_2^2y_3))+a^r_{1,0,-4,0,0,0,0,0,0,0}(x_1(x_2^4-6x_2^2y_2^2+y_2^4)+y_1(4x_2^3y_2-$$

$$4x_2y_2^3))+a^r_{1,0,0,0,-2,0,0,0,0,1}(x_5^2+y_5^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+a^r_{1,0,0,0,-2,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+a^r_{1,0,0,0,-2,1,0,0,0,0}(x_3^2+y_3^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+$$

$$a^r_{1,0,0,0,0,0,-2,0,0,1}(x_5^2+y_5^2)(x_1(x_4^2-y_4^2)+2x_4y_1y_4)+a^r_{1,0,0,0,0,0,-2,1,0,0}(x_4^2+y_4^2)(x_1(x_4^2-y_4^2)+$$

$$2x_4y_1y_4)+a^r_{1,0,0,0,0,0,0,0,-4,0}(x_1(x_5^4-6x_5^2y_5^2+y_5^4)+y_1(4x_5^3y_5-4x_5y_5^3))+$$

$$a^r_{1,0,0,0,0,0,0,0,2,1}(x_5^2+y_5^2)(x_1(x_5^2-y_5^2)-2x_5y_1y_5)+a^r_{1,0,0,0,0,0,0,1,2,0}(x_4^2+y_4^2)(x_1(x_5^2-y_5^2)-$$

$$2x_5y_1y_5)+a^r_{1,0,0,0,0,0,2,0,-2,0}(x_1(x_4^2x_5^2-x_4^2y_5^2+4x_4x_5y_4y_5-x_5^2y_4^2+y_4^2y_5^2)+$$

$$y_1(2x_4^2x_5y_5-2x_4x_5^2y_4+2x_4y_4y_5^2-2x_5y_4^2y_5))+a^r_{1,0,0,0,0,0,4,0,0,0}(x_1(x_4^4-6x_4^2y_4^2+y_4^4)+$$

$$y_1(-4x_4^3y_4+4x_4y_4^3))+a^r_{1,0,0,0,0,1,-2,0,0,0}(x_3^2+y_3^2)(x_1(x_4^2-y_4^2)+2x_4y_1y_4)+$$

$$a^r_{1,0,0,0,0,1,0,0,2,0}(x_3^2+y_3^2)(x_1(x_5^2-y_5^2)-2x_5y_1y_5)+a^r_{1,0,0,0,2,0,0,0,-2,0}(x_1(x_3^2x_5^2-x_3^2y_5^2+$$

$$4x_3x_5y_3y_5-x_5^2y_3^2+y_3^2y_5^2)+y_1(2x_3^2x_5y_5-2x_3x_5^2y_3+2x_3y_3y_5^2-2x_5y_3^2y_5))+$$

$$a^r_{1,0,0,0,2,0,2,0,0,0}(x_1(x_3^2x_4^2-x_3^2y_4^2-4x_3x_4y_3y_4-x_4^2y_3^2+y_3^2y_4^2)+y_1(-2x_3^2x_4y_4-$$

$$2x_3x_4^2y_3+2x_3y_3y_4^2+2x_4y_3^2y_4))+a^r_{1,0,0,0,4,0,0,0,0,0}(x_1(x_3^4-6x_3^2y_3^2+y_3^4)+y_1(-4x_3^3y_3+$$

$$4x_3y_3^3))+a^r_{1,0,0,1,-2,0,0,0,0,0}(x_2^2+y_2^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+a^r_{1,0,0,1,0,0,-2,0,0,0}(x_2^2+$$

$$y_2^2)(x_1(x_4^2-y_4^2)+2x_4y_1y_4)+a^r_{1,0,0,1,0,0,0,0,2,0}(x_2^2+y_2^2)(x_1(x_5^2-y_5^2)-2x_5y_1y_5)+$$

$$a^r_{1,0,1,0,-1,0,-1,0,-1,0}(x_1(x_2x_3x_4x_5-x_2x_3y_4y_5-x_2x_4y_3y_5-x_2x_5y_3y_4+x_3x_4y_2y_5+x_3x_5y_2y_4+$$

$$x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(x_2x_3x_4y_5+x_2x_3x_5y_4+x_2x_4x_5y_3-x_2y_3y_4y_5-x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5+x_4y_2y_3y_5+x_5y_2y_3y_4))+a^r_{1,0,1,0,-1,0,1,0,1,0}(x_1(x_2x_3x_4x_5-x_2x_3y_4y_5+x_2x_4y_3y_5+$$

$$x_2x_5y_3y_4-x_3x_4y_2y_5-x_3x_5y_2y_4+x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(-x_2x_3x_4y_5-x_2x_3x_5y_4+$$

$$x_2x_4x_5y_3-x_2y_3y_4y_5-x_3x_4x_5y_2+x_3y_2y_4y_5-x_4y_2y_3y_5-x_5y_2y_3y_4))+$$

$$a^r_{1,0,1,0,1,0,-1,0,1,0}(x_1(x_2x_3x_4x_5+x_2x_3y_4y_5-x_2x_4y_3y_5+x_2x_5y_3y_4-x_3x_4y_2y_5+x_3x_5y_2y_4-$$

$$x_4x_5y_2y_3-y_2y_3y_4y_5)+y_1(-x_2x_3x_4y_5+x_2x_3x_5y_4-x_2x_4x_5y_3-x_2y_3y_4y_5-x_3x_4x_5y_2-$$

$$x_3y_2y_4y_5+x_4y_2y_3y_5-x_5y_2y_3y_4))+a^r_{1,0,2,0,0,0,0,0,0,1}(x_5^2+y_5^2)(x_1(x_2^2-y_2^2)-2x_2y_1y_2)+$$

$$a^r_{1,0,2,0,0,0,0,1,0,0}(x_4^2+y_4^2)(x_1(x_2^2-y_2^2)-2x_2y_1y_2)+a^r_{1,0,2,0,0,1,0,0,0,0}(x_3^2+y_3^2)(x_1(x_2^2-y_2^2)-$$

$$2x_2y_1y_2)+a^r_{1,0,2,1,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1(x_2^2-y_2^2)-2x_2y_1y_2)+a^r_{1,1,0,0,-2,0,0,0,0,0}(x_1^2+$$

$$y_1^2)(x_1(x_3^2-y_3^2)+2x_3y_1y_3)+a^r_{1,1,0,0,0,0,-2,0,0,0}(x_1^2+y_1^2)(x_1(x_4^2-y_4^2)+2x_4y_1y_4)+$$

$$a^r_{1,1,0,0,0,0,0,0,2,0}(x_1^2+y_1^2)(x_1(x_5^2-y_5^2)-2x_5y_1y_5)+a^r_{1,1,2,0,0,0,0,0,0,0}(x_1^2+y_1^2)(x_1(x_2^2-y_2^2)-$$

$$2x_2y_1y_2)+a^r_{2,0,-1,0,-2,0,0,0,0,0}(x_1(4x_2x_3y_1y_3+2x_3^2y_1y_2-2y_1y_2y_3^2)+x_2(x_1^2x_3^2-x_1^2y_3^2-$$

$$x_3^2y_1^2+y_1^2y_3^2)+y_2(-2x_1^2x_3y_3+2x_3y_1^2y_3))+a^r_{2,0,-1,0,0,0,0,-2,0,0,0}(x_1(4x_2x_4y_1y_4+$$

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$$2x_4^2 y_1 y_2 - 2y_1 y_2 y_4^2) + x_2(x_1^2 x_4^2 - x_1^2 y_4^2 - x_4^2 y_1^2 + y_1^2 y_4^2) + y_2(-2x_1^2 x_4 y_4 +$$

$$2x_4 y_1^2 y_4)) + a_{2,0,-1,0,0,0,0,0,2,0}^r(x_1(-4x_2 x_5 y_1 y_5 + 2x_5^2 y_1 y_2 - 2y_1 y_2 y_5^2) + x_2(x_1^2 x_5^2 -$$

$$x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2) + y_2(2x_1^2 x_5 y_5 - 2x_5 y_1^2 y_5)) + a_{2,0,0,0,-1,0,-1,0,-1,0}^r(x_1(2x_3 x_4 y_1 y_5 +$$

$$2x_3 x_5 y_1 y_4 + 2x_4 x_5 y_1 y_3 - 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 - x_1^2 y_4 y_5 - x_4 x_5 y_1^2 + y_1^2 y_4 y_5) + y_3(-$$

$$x_1^2 x_4 y_5 - x_1^2 x_5 y_4 + x_4 y_1^2 y_5 + x_5 y_1^2 y_4)) + a_{2,0,0,0,-1,0,1,0,1,0}^r(x_1(-2x_3 x_4 y_1 y_5 - 2x_3 x_5 y_1 y_4 +$$

$$2x_4 x_5 y_1 y_3 - 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 - x_1^2 y_4 y_5 - x_4 x_5 y_1^2 + y_1^2 y_4 y_5) + y_3(x_1^2 x_4 y_5 +$$

$$x_1^2 x_5 y_4 - x_4 y_1^2 y_5 - x_5 y_1^2 y_4)) + a_{2,0,0,0,1,0,-1,0,1,0}^r(x_1(-2x_3 x_4 y_1 y_5 + 2x_3 x_5 y_1 y_4 - 2x_4 x_5 y_1 y_3 -$$

$$2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 + x_1^2 y_4 y_5 - x_4 x_5 y_1^2 - y_1^2 y_4 y_5) + y_3(-x_1^2 x_4 y_5 + x_1^2 x_5 y_4 +$$

$$x_4 y_1^2 y_5 - x_5 y_1^2 y_4)) + a_{2,0,1,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) +$$

$$a_{2,0,1,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{2,0,1,0,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(-2x_1 y_1 y_2 +$$

$$x_2(x_1^2 - y_1^2)) + a_{2,0,1,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{2,1,1,0,0,0,0,0,0,0}^r(x_1^2 +$$

$$y_1^2)(-2x_1 y_1 y_2 + x_2(x_1^2 - y_1^2)) + a_{3,0,0,0,0,0,0,0,0,1}^r x_1(x_1^2 - 3y_1^2)(x_5^2 + y_5^2) +$$

$$a_{3,0,0,0,0,0,0,1,0,0}^r x_1(x_1^2 - 3y_1^2)(x_4^2 + y_4^2) + a_{3,0,0,0,0,1,0,0,0,0}^r x_1(x_1^2 - 3y_1^2)(x_3^2 + y_3^2) +$$

$$a_{3,0,0,1,0,0,0,0,0,0}^r x_1(x_1^2 - 3y_1^2)(x_2^2 + y_2^2) + a_{3,1,0,0,0,0,0,0,0,0}^r x_1(x_1^2 - 3y_1^2)(x_1^2 + y_1^2) +$$

$$a_{4,0,-1,0,0,0,0,0,0,0}^r(4x_1^3 y_1 y_2 - 4x_1 y_1^3 y_2 + x_2(x_1^4 - 6x_1^2 y_1^2 + y_1^4)) -$$

$$b_{-1,0,-1,0,-1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 -$$

$$x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) - b_{-1,0,-1,0,-1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 +$$

$$x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 -$$

$$x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) -$$

$$b_{-1,0,-1,0,1,0,-1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 +$$

$$x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 -$$

$$x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) - b_{-1,0,-2,0,-2,0,0,0,0,0}^r(x_1(x_2^2 x_3^2 - x_2^2 y_3^2 - 4x_2 x_3 y_2 y_3 -$$

$$x_3^2 y_2^2 + y_2^2 y_3^2) + y_1(-2x_2^2 x_3 y_3 - 2x_2 x_3^2 y_2 + 2x_2 y_2 y_3^2 + 2x_3 y_2^2 y_3)) -$$

$$b_{-1,0,-2,0,0,0,-2,0,0,0}^r(x_1(x_2^2 x_4^2 - x_2^2 y_4^2 - 4x_2 x_4 y_2 y_4 - x_4^2 y_2^2 + y_2^2 y_4^2) + y_1(-2x_2^2 x_4 y_4 -$$

$$2x_2 x_4^2 y_2 + 2x_2 y_2 y_4^2 + 2x_4 y_2^2 y_4)) - b_{-1,0,-2,0,0,0,0,0,2,0}^r(x_1(x_2^2 x_5^2 - x_2^2 y_5^2 + 4x_2 x_5 y_2 y_5 -$$

$$x_5^2 y_2^2 + y_2^2 y_5^2) + y_1(2x_2^2 x_5 y_5 - 2x_2 x_5^2 y_2 + 2x_2 y_2 y_5^2 - 2x_5 y_2^2 y_5)) -$$

$$b_{-1,0,0,0,-2,0,0,0,-2,0}^r(x_1(x_3^2 x_5^2 - x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(-2x_3^2 x_5 y_5 -$$

$$2x_3 x_5^2 y_3 + 2x_3 y_3 y_5^2 + 2x_5 y_3^2 y_5)) - b_{-1,0,0,0,-2,0,2,0,0,0}^r(x_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 -$$

$$x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(2x_3^2 x_4 y_4 - 2x_3 x_4^2 y_3 + 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4)) -$$

$$b_{-1,0,0,0,0,0,-2,0,-2,0}^r(x_1(x_4^2 x_5^2 - x_4^2 y_5^2 - 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(-2x_4^2 x_5 y_5 -$$

$$2x_4 x_5^2 y_4 + 2x_4 y_4 y_5^2 + 2x_5 y_4^2 y_5)) - b_{-1,0,0,0,0,0,0,0,0,2}^r x_1(x_5^2 + y_5^2)^2 - b_{-1,0,0,0,0,0,0,0,1,0,1}^r x_1(x_4^2 +$$

$$y_4^2)(x_5^2 + y_5^2) - b_{-1,0,0,0,0,0,0,2,0,0}^r x_1(x_4^2 + y_4^2)^2 - b_{-1,0,0,0,0,0,2,0,2,0}^r(x_1(x_4^2 x_5^2 - x_4^2 y_5^2 -$$

$$4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 - 2x_5 y_4^2 y_5)) -$$

$$b_{-1,0,0,0,0,0,1,0,0,0,1}^r x_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) - b_{-1,0,0,0,0,0,1,0,1,0,0}^r x_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) -$$

$$b_{-1,0,0,0,0,0,2,0,0,0,0}^r x_1(x_3^2 + y_3^2)^2 - b_{-1,0,0,0,2,0,-2,0,0,0}^r(x_1(x_3^2 x_4^2 - x_3^2 y_4^2 + 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 +$$

$$y_3^2 y_4^2) + y_1(-2x_3^2 x_4 y_4 + 2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 + 2x_4 y_3^2 y_4)) - b_{-1,0,0,0,2,0,0,0,2,0}^r(x_1(x_3^2 x_5^2 -$$

$$x_3^2 y_5^2 - 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 -$$

$$2x_5 y_3^2 y_5)) - b_{-1,0,0,1,0,0,0,0,0,1}^r x_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) - b_{-1,0,0,1,0,0,0,1,0,0}^r x_1(x_2^2 + y_2^2)(x_4^2 +$$

$$y_4^2) - b_{-1,0,0,1,0,1,0,0,0,0}^r x_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) - b_{-1,0,0,2,0,0,0,0,0,0}^r x_1(x_2^2 + y_2^2)^2 -$$

$$b_{-1,0,1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 +$$

$$x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 +$$

$$x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) - b_{-1,0,1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 +$$

$$x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(-x_2x_3x_4y_5 - x_2x_3x_5y_4 +$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)) -$$

$$b^r_{-1,0,1,0,1,0,1,0,1,0}(x_1(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 -$$

$$x_4x_5y_2y_3 + y_2y_3y_4y_5) + y_1(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 -$$

$$x_3y_2y_4y_5 - x_4y_2y_3y_5 - x_5y_2y_3y_4)) - b^r_{-1,0,2,0,0,0,0,0,-2,0}(x_1(x_2^2x_5^2 - x_2^2y_5^2 + 4x_2x_5y_2y_5 -$$

$$x_5^2y_2^2 + y_2^2y_5^2) + y_1(-2x_2^2x_5y_5 + 2x_2x_5^2y_2 - 2x_2y_2y_5^2 + 2x_5y_2^2y_5)) -$$

$$b^r_{-1,0,2,0,0,0,2,0,0,0}(x_1(x_2^2x_4^2 - x_2^2y_4^2 - 4x_2x_4y_2y_4 - x_4^2y_2^2 + y_2^2y_4^2) + y_1(2x_2^2x_4y_4 +$$

$$2x_2x_4^2y_2 - 2x_2y_2y_4^2 - 2x_4y_2^2y_4)) - b^r_{-1,0,2,0,2,0,0,0,0,0}(x_1(x_2^2x_3^2 - x_2^2y_3^2 - 4x_2x_3y_2y_3 -$$

$$x_3^2y_2^2 + y_2^2y_3^2) + y_1(2x_2^2x_3y_3 + 2x_2x_3^2y_2 - 2x_2y_2y_3^2 - 2x_3y_2^2y_3)) -$$

$$b^r_{-1,1,0,0,0,0,0,0,0,1}x_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) - b^r_{-1,1,0,0,0,0,0,1,0,0}x_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) -$$

$$b^r_{-1,1,0,0,0,1,0,0,0,0}x_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) - b^r_{-1,1,0,1,0,0,0,0,0,0}x_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) -$$

$$b^r_{-1,2,0,0,0,0,0,0,0,0}x_1(x_1^2 + y_1^2)^2 - b^r_{-2,0,-1,0,-2,0,0,0,0,0}(x_1(-4x_2x_3y_1y_3 - 2x_3^2y_1y_2 + 2y_1y_2y_3^2) +$$

$$x_2(x_1^2x_3^2 - x_1^2y_3^2 - x_3^2y_1^2 + y_1^2y_3^2) + y_2(-2x_1^2x_3y_3 + 2x_3y_1^2y_3)) -$$

$$b^r_{-2,0,-1,0,0,0,-2,0,0,0}(x_1(-4x_2x_4y_1y_4 - 2x_4^2y_1y_2 + 2y_1y_2y_4^2) + x_2(x_1^2x_4^2 - x_1^2y_4^2 - x_4^2y_1^2 +$$

$$y_1^2y_4^2) + y_2(-2x_1^2x_4y_4 + 2x_4y_1^2y_4)) - b^r_{-2,0,-1,0,0,0,0,0,2,0}(x_1(4x_2x_5y_1y_5 - 2x_5^2y_1y_2 +$$

$$2y_1y_2y_5^2) + x_2(x_1^2x_5^2 - x_1^2y_5^2 - x_5^2y_1^2 + y_1^2y_5^2) + y_2(2x_1^2x_5y_5 - 2x_5y_1^2y_5)) -$$

$$b^r_{-2,0,0,0,-1,0,-1,0,-1,0}(x_1(-2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 -$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 - x_1^2x_5y_4 + x_4y_1^2y_5 + x_5y_1^2y_4)) -$$

$$b^r_{-2,0,0,0,-1,0,1,0,1,0}(x_1(2x_3x_4y_1y_5 + 2x_3x_5y_1y_4 - 2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 -$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 + y_1^2y_4y_5) + y_3(x_1^2x_4y_5 + x_1^2x_5y_4 - x_4y_1^2y_5 - x_5y_1^2y_4)) -$$

$$b^r_{-2,0,0,0,1,0,-1,0,1,0}(x_1(2x_3x_4y_1y_5 - 2x_3x_5y_1y_4 + 2x_4x_5y_1y_3 + 2y_1y_3y_4y_5) + x_3(x_1^2x_4x_5 +$$

$$x_1^2y_4y_5 - x_4x_5y_1^2 - y_1^2y_4y_5) + y_3(-x_1^2x_4y_5 + x_1^2x_5y_4 + x_4y_1^2y_5 - x_5y_1^2y_4)) -$$

$$b^r_{-2,0,1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1y_1y_2 +$$

$$x_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) - b^r_{-2,0,1,1,0,0,0,0,0,0}(x_2^2 +$$

$$y_2^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) - b^r_{-2,1,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1y_1y_2 + x_2(x_1^2 - y_1^2)) -$$

$$b^r_{-3,0,0,0,-2,0,0,0,0,0}(x_1^3x_3^2 - x_1^3y_3^2 - 6x_1^2x_3y_1y_3 + x_1(-3x_3^2y_1^2 + 3y_1^2y_3^2) + 2x_3y_1^3y_3) -$$

$$b^r_{-3,0,0,0,0,0,-2,0,0,0}(x_1^3x_4^2 - x_1^3y_4^2 - 6x_1^2x_4y_1y_4 + x_1(-3x_4^2y_1^2 + 3y_1^2y_4^2) + 2x_4y_1^3y_4) -$$

$$b^r_{-3,0,0,0,0,0,0,0,2,0}(x_1^3x_5^2 - x_1^3y_5^2 + 6x_1^2x_5y_1y_5 + x_1(-3x_5^2y_1^2 + 3y_1^2y_5^2) - 2x_5y_1^3y_5) -$$

$$b^r_{-3,0,2,0,0,0,0,0,0,0}(x_1^3x_2^2 - x_1^3y_2^2 + 6x_1^2x_2y_1y_2 + x_1(-3x_2^2y_1^2 + 3y_1^2y_2^2) - 2x_2y_1^3y_2) -$$

$$b^r_{0,0,-1,0,-2,0,0,0,-2,0}(x_2(x_3^2x_5^2 - x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_2(-2x_3^2x_5y_5 -$$

$$2x_3x_5^2y_3 + 2x_3y_3y_5^2 + 2x_5y_3^2y_5)) - b^r_{0,0,-1,0,-2,0,2,0,0,0}(x_2(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 -$$

$$x_4^2y_3^2 + y_3^2y_4^2) + y_2(2x_3^2x_4y_4 - 2x_3x_4^2y_3 + 2x_3y_3y_4^2 - 2x_4y_3^2y_4)) -$$

$$b^r_{0,0,-1,0,0,0,-2,0,-2,0}(x_2(x_4^2x_5^2 - x_4^2y_5^2 - 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_2(-2x_4^2x_5y_5 -$$

$$2x_4x_5^2y_4 + 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) - b^r_{0,0,-1,0,0,0,0,0,0,2}x_2(x_5^2 + y_5^2)^2 - b^r_{0,0,-1,0,0,0,0,1,0,1}x_2(x_4^2 +$$

$$y_4^2)(x_5^2 + y_5^2) - b^r_{0,0,-1,0,0,0,0,2,0,0}x_2(x_4^2 + y_4^2)^2 - b^r_{0,0,-1,0,0,0,2,0,2,0}(x_2(x_4^2x_5^2 - x_4^2y_5^2 -$$

$$4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_2(2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 - 2x_5y_4^2y_5)) -$$

$$b^r_{0,0,-1,0,0,1,0,0,0,1}x_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) - b^r_{0,0,-1,0,0,1,0,1,0,0}x_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) -$$

$$b^r_{0,0,-1,0,0,2,0,0,0,0}x_2(x_3^2 + y_3^2)^2 - b^r_{0,0,-1,0,2,0,-2,0,0,0}(x_2(x_3^2x_4^2 - x_3^2y_4^2 + 4x_3x_4y_3y_4 - x_4^2y_3^2 +$$

$$y_3^2y_4^2) + y_2(-2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 + 2x_4y_3^2y_4)) - b^r_{0,0,-1,0,2,0,0,0,0,2,0}(x_2(x_3^2x_5^2 -$$

$$x_3^2y_5^2 - 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_2(2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 -$$

$$2x_5y_3^2y_5)) - b^r_{0,0,-1,1,0,0,0,0,0,1}x_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) - b^r_{0,0,-1,1,0,0,0,1,0,0}x_2(x_2^2 + y_2^2)(x_4^2 +$$

$$y_4^2) - b^r_{0,0,-1,1,0,1,0,0,0,0}x_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) - b^r_{0,0,-1,2,0,0,0,0,0,0}x_2(x_2^2 + y_2^2)^2 -$$

$b^r_{0,0,-2,0,-1,0,-1,0,-1,0}(x_2(-2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 + 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(-x_2^2x_4y_5 - x_2^2x_5y_4 + x_4y_2^2y_5 + x_5y_2^2y_4)) -$

$b^r_{0,0,-2,0,-1,0,1,0,1,0}(x_2(2x_3x_4y_2y_5 + 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 + 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 - x_2^2y_4y_5 - x_4x_5y_2^2 + y_2^2y_4y_5) + y_3(x_2^2x_4y_5 + x_2^2x_5y_4 - x_4y_2^2y_5 - x_5y_2^2y_4)) -$

$b^r_{0,0,-2,0,1,0,-1,0,1,0}(x_2(2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 + 2x_4x_5y_2y_3 + 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(-x_2^2x_4y_5 + x_2^2x_5y_4 + x_4y_2^2y_5 - x_5y_2^2y_4)) -$

$b^r_{0,0,-3,0,-2,0,0,0,0,0}(x_2^3x_3^2 - x_2^3y_3^2 - 6x_2^2x_3y_2y_3 + x_2(-3x_3^2y_2^2 + 3y_2^2y_3^2) + 2x_3y_2^3y_3) -$

$b^r_{0,0,-3,0,0,0,-2,0,0,0}(x_2^3x_4^2 - x_2^3y_4^2 - 6x_2^2x_4y_2y_4 + x_2(-3x_4^2y_2^2 + 3y_2^2y_4^2) + 2x_4y_2^3y_4) -$

$b^r_{0,0,-3,0,0,0,0,0,2,0}(x_2^3x_5^2 - x_2^3y_5^2 + 6x_2^2x_5y_2y_5 + x_2(-3x_5^2y_2^2 + 3y_2^2y_5^2) - 2x_5y_2^3y_5) -$

$b^r_{0,0,0,0,-1,0,-1,0,-3,0}(x_3(x_4x_5^3 - 3x_4x_5y_5^2 - 3x_5^2y_4y_5 + y_4y_5^3) + y_3(-3x_4x_5^2y_5 + x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2)) - b^r_{0,0,0,0,-1,0,-1,0,3,0}(x_3(x_4x_5^3 - 3x_4x_5y_5^2 + 3x_5^2y_4y_5 - y_4y_5^3) + y_3(3x_4x_5^2y_5 - x_4y_5^3 - x_5^3y_4 + 3x_5y_4y_5^2)) - b^r_{0,0,0,0,-1,0,-3,0,1,0}(x_3(x_4^3x_5 + 3x_4^2y_4y_5 - 3x_4x_5y_4^2 - y_4^3y_5) + y_3(x_4^3y_5 - 3x_4^2x_5y_4 - 3x_4y_4^2y_5 + x_5y_4^3)) - b^r_{0,0,0,0,-1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,-1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,-1,0,3,0,1,0}(x_3(x_4^3x_5 - 3x_4^2y_4y_5 - 3x_4x_5y_4^2 + y_4^3y_5) + y_3(x_4^3y_5 + 3x_4^2x_5y_4 - 3x_4y_4^2y_5 - x_5y_4^3)) - b^r_{0,0,0,0,-1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,-3,0,-1,0,1,0}(x_3(-3x_4x_5y_3^2 - 3y_3^2y_4y_5) + x_4(x_3^3x_5 - y_3^3y_5) + y_3(3x_3^2x_4y_5 - 3x_3^2x_5y_4) + y_4(x_3^3y_5 + x_5y_3^3)) - b^r_{0,0,0,0,1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,1,0,1,0,1,1}(x_5^2 + y_5^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - b^r_{0,0,0,0,1,0,1,1,1,0}(x_4^2 + y_4^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - b^r_{0,0,0,0,1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - b^r_{0,0,0,0,1,1,1,0,1,0}(x_3^2 + y_3^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - b^r_{0,0,0,0,3,0,-1,0,1,0}(x_3(-3x_4x_5y_3^2 - 3y_3^2y_4y_5) + x_4(x_3^3x_5 + y_3^3y_5) + y_3(-3x_3^2x_4y_5 + 3x_3^2x_5y_4) + y_4(x_3^3y_5 - x_5y_3^3)) -$

$b^r_{0,0,0,1,-1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4x_5 + y_4y_5) + y_3(-x_4y_5 + x_5y_4)) - b^r_{0,0,0,1,1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_3(x_4x_5 - y_4y_5) + y_3(x_4y_5 + x_5y_4)) - b^r_{0,0,0,1,1,0,1,0,1,0}(x_2^2 + y_2^2)(x_3(x_4x_5 - y_4y_5) + y_3(-x_4y_5 - x_5y_4)) - b^r_{0,0,1,0,-2,0,-2,0,0,0}(x_2(x_3^2x_4^2 - x_3^2y_4^2 - 4x_3x_4y_3y_4 - x_4^2y_3^2 + y_3^2y_4^2) + y_2(2x_3^2x_4y_4 + 2x_3x_4^2y_3 - 2x_3y_3y_4^2 - 2x_4y_3^2y_4)) - b^r_{0,0,1,0,-2,0,0,0,2,0}(x_2(x_3^2x_5^2 - x_3^2y_5^2 + 4x_3x_5y_3y_5 - x_5^2y_3^2 + y_3^2y_5^2) + y_2(-2x_3^2x_5y_5 + 2x_3x_5^2y_3 - 2x_3y_3y_5^2 + 2x_5y_3^2y_5)) -$

$b^r_{0,0,1,0,-4,0,0,0,0,0}(x_2(x_3^4 - 6x_3^2y_3^2 + y_3^4) + y_2(4x_3^3y_3 - 4x_3y_3^3)) - b^r_{0,0,1,0,0,0,-2,0,2,0}(x_2(x_4^2x_5^2 - x_4^2y_5^2 + 4x_4x_5y_4y_5 - x_5^2y_4^2 + y_4^2y_5^2) + y_2(-2x_4^2x_5y_5 + 2x_4x_5^2y_4 - 2x_4y_4y_5^2 + 2x_5y_4^2y_5)) - b^r_{0,0,1,0,0,0,-4,0,0,0}(x_2(x_4^4 - 6x_4^2y_4^2 + y_4^4) + y_2(4x_4^3y_4 - 4x_4y_4^3)) -$

$b^r_{0,0,1,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - b^r_{0,0,1,0,0,0,0,0,4,0}(x_2(x_5^4 - 6x_5^2y_5^2 + y_5^4) + y_2(-4x_5^3y_5 + 4x_5y_5^3)) - b^r_{0,0,1,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) -$

$b^r_{0,0,1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) - b^r_{0,0,1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) - b^r_{0,0,1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - b^r_{0,0,1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) - b^r_{0,0,1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) - b^r_{0,0,1,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) - b^r_{0,0,1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) - b^r_{0,0,1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2(x_5^2 - y_5^2) + 2x_5y_2y_5) - b^r_{0,0,1,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2(x_4^2 - y_4^2) - 2x_4y_2y_4) - b^r_{0,0,1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3^2 - y_3^2) - 2x_3y_2y_3) -$

$b^r_{0,0,2,0,-1,0,-1,0,1,0}(x_2(-2x_3x_4y_2y_5 + 2x_3x_5y_2y_4 + 2x_4x_5y_2y_3 + 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 + x_2^2y_4y_5 - x_4x_5y_2^2 - y_2^2y_4y_5) + y_3(x_2^2x_4y_5 - x_2^2x_5y_4 - x_4y_2^2y_5 + x_5y_2^2y_4)) -$

$b^r_{0,0,2,0,1,0,1,0,-1,0}(x_2(2x_3x_4y_2y_5 - 2x_3x_5y_2y_4 - 2x_4x_5y_2y_3 - 2y_2y_3y_4y_5) + x_3(x_2^2x_4x_5 +$

$$x_2^2 y_4 y_5 - x_4 x_5 y_2^2 - y_2^2 y_4 y_5) + y_3(x_2^2 x_4 y_5 - x_2^2 x_5 y_4 - x_4 y_2^2 y_5 + x_5 y_2^2 y_4)) -$$

$$b_{0,0,3,0,-2,0,0,0,0,0}^r(x_2^3 x_3^2 - x_2^3 y_3^2 + 6x_2^2 x_3 y_2 y_3 + x_2(-3x_3^2 y_2^2 + 3y_2^2 y_3^2) - 2x_3 y_2^3 y_3) -$$

$$b_{0,0,3,0,0,0,-2,0,0,0}^r(x_2^3 x_4^2 - x_2^3 y_4^2 + 6x_2^2 x_4 y_2 y_4 + x_2(-3x_4^2 y_2^2 + 3y_2^2 y_4^2) - 2x_4 y_2^3 y_4) -$$

$$b_{0,0,3,0,0,0,0,0,2,0}^r(x_2^3 x_5^2 - x_2^3 y_5^2 - 6x_2^2 x_5 y_2 y_5 + x_2(-3x_5^2 y_2^2 + 3y_2^2 y_5^2) + 2x_5 y_2^3 y_5) -$$

$$b_{0,0,5,0,0,0,0,0,0,0}^r x_2(x_2^4 - 10x_2^2 y_2^2 + 5y_2^4) - b_{0,1,-1,0,0,0,0,0,0,1}^r x_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) -$$

$$b_{0,1,-1,0,0,0,0,1,0,0}^r x_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) - b_{0,1,-1,0,0,1,0,0,0,0}^r x_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) -$$

$$b_{0,1,-1,1,0,0,0,0,0,0}^r x_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) - b_{0,1,0,0,-1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4 x_5 + y_4 y_5) + y_3(-x_4 y_5 + x_5 y_4)) - b_{0,1,0,0,1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_3(x_4 x_5 - y_4 y_5) + y_3(x_4 y_5 + x_5 y_4)) -$$

$$b_{0,1,0,0,1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_3(x_4 x_5 - y_4 y_5) + y_3(-x_4 y_5 - x_5 y_4)) - b_{0,1,1,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_2(x_5^2 - y_5^2) + 2x_5 y_2 y_5) - b_{0,1,1,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_4^2 - y_4^2) - 2x_4 y_2 y_4) -$$

$$b_{0,1,1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_3^2 - y_3^2) - 2x_3 y_2 y_3) - b_{0,2,-1,0,0,0,0,0,0,0}^r x_2(x_1^2 + y_1^2)^2 -$$

$$b_{1,0,-1,0,-1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 + x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) - b_{1,0,-1,0,1,0,-1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 + x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) -$$

$$b_{1,0,-1,0,1,0,1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 - x_5 y_2 y_3 y_4)) - b_{1,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_2^2 - y_2^2) + 2x_2 y_1 y_2) -$$

$$b_{1,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1(x_2^2 - y_2^2) + 2x_2 y_1 y_2) - b_{1,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1(x_2^2 - y_2^2) + 2x_2 y_1 y_2) - b_{1,0,-2,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_2^2 - y_2^2) + 2x_2 y_1 y_2) - b_{1,0,0,0,-2,0,-2,0,0,0}^r(x_1(x_3^2 x_4^2 - x_3^2 y_4^2 - 4x_3 x_4 y_3 y_4 - x_4^2 y_3^2 + y_3^2 y_4^2) + y_1(2x_3^2 x_4 y_4 + 2x_3 x_4^2 y_3 - 2x_3 y_3 y_4^2 - 2x_4 y_3^2 y_4)) - b_{1,0,0,0,-2,0,0,0,2,0}^r(x_1(x_3^2 x_5^2 - x_3^2 y_5^2 + 4x_3 x_5 y_3 y_5 - x_5^2 y_3^2 + y_3^2 y_5^2) + y_1(-2x_3^2 x_5 y_5 + 2x_3 x_5^2 y_3 - 2x_3 y_3 y_5^2 + 2x_5 y_3^2 y_5)) - b_{1,0,0,0,-4,0,0,0,0,0}^r(x_1(x_3^4 - 6x_3^2 y_3^2 + y_3^4) + y_1(4x_3^3 y_3 - 4x_3 y_3^3)) - b_{1,0,0,0,0,0,-2,0,2,0}^r(x_1(x_4^2 x_5^2 - x_4^2 y_5^2 + 4x_4 x_5 y_4 y_5 - x_5^2 y_4^2 + y_4^2 y_5^2) + y_1(-2x_4^2 x_5 y_5 + 2x_4 x_5^2 y_4 - 2x_4 y_4 y_5^2 + 2x_5 y_4^2 y_5)) - b_{1,0,0,0,0,0,-4,0,0,0}^r(x_1(x_4^4 - 6x_4^2 y_4^2 + y_4^4) + y_1(4x_4^3 y_4 - 4x_4 y_4^3)) - b_{1,0,0,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_1(x_5^2 - y_5^2) + 2x_5 y_1 y_5) -$$

$$b_{1,0,0,0,0,0,0,0,4,0}^r(x_1(x_5^4 - 6x_5^2 y_5^2 + y_5^4) + y_1(-4x_5^3 y_5 + 4x_5 y_5^3)) - b_{1,0,0,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(x_1(x_5^2 - y_5^2) + 2x_5 y_1 y_5) - b_{1,0,0,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_4^2 - y_4^2) - 2x_4 y_1 y_4) -$$

$$b_{1,0,0,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(x_1(x_4^2 - y_4^2) - 2x_4 y_1 y_4) - b_{1,0,0,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_1(x_5^2 - y_5^2) + 2x_5 y_1 y_5) - b_{1,0,0,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_1(x_4^2 - y_4^2) - 2x_4 y_1 y_4) - b_{1,0,0,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_3^2 - y_3^2) - 2x_3 y_1 y_3) - b_{1,0,0,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1(x_3^2 - y_3^2) - 2x_3 y_1 y_3) -$$

$$b_{1,0,0,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1(x_3^2 - y_3^2) - 2x_3 y_1 y_3) - b_{1,0,0,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_1(x_5^2 - y_5^2) + 2x_5 y_1 y_5) - b_{1,0,0,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_4^2 - y_4^2) - 2x_4 y_1 y_4) - b_{1,0,0,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_3^2 - y_3^2) - 2x_3 y_1 y_3) - b_{1,0,1,0,-1,0,-1,0,1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) + y_1(-x_2 x_3 x_4 y_5 + x_2 x_3 x_5 y_4 + x_2 x_4 x_5 y_3 + x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) - b_{1,0,1,0,1,0,1,0,-1,0}^r(x_1(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + y_1(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4)) - b_{1,0,2,0,-2,0,0,0,0,0}^r(x_1(x_2^2 x_3^2 - x_2^2 y_3^2 + 4x_2 x_3 y_2 y_3 - x_3^2 y_2^2 + y_2^2 y_3^2) + y_1(2x_2^2 x_3 y_3 - 2x_2 x_3^2 y_2 + 2x_2 y_2 y_3^2 - 2x_3 y_2^2 y_3)) -$$

$$b_{1,0,2,0,0,0,-2,0,0,0}^r(x_1(x_2^2 x_4^2 - x_2^2 y_4^2 + 4x_2 x_4 y_2 y_4 - x_4^2 y_2^2 + y_2^2 y_4^2) + y_1(2x_2^2 x_4 y_4 - 2x_2 x_4^2 y_2 + 2x_2 y_2 y_4^2 - 2x_4 y_2^2 y_4)) - b_{1,0,2,0,0,0,0,0,2,0}^r(x_1(x_2^2 x_5^2 - x_2^2 y_5^2 - 4x_2 x_5 y_2 y_5 -$$

$$x_5^2 y_2^2 + y_2^2 y_5^2) + y_1(-2x_2^2 x_5 y_5 - 2x_2 x_5^2 y_2 + 2x_2 y_2 y_5^2 + 2x_5 y_2^2 y_5)) -$$

$$b_{1,0,4,0,0,0,0,0,0,0,0}^r(x_1(x_2^4 - 6x_2^2 y_2^2 + y_2^4) + y_1(-4x_2^3 y_2 + 4x_2 y_2^3)) - b_{1,1,-2,0,0,0,0,0,0,0,0}^r(x_1^2 +$$

$$y_1^2)(x_1(x_2^2 - y_2^2) + 2x_2 y_1 y_2) - b_{1,1,0,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_1(x_5^2 - y_5^2) + 2x_5 y_1 y_5) -$$

$$b_{1,1,0,0,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_4^2 - y_4^2) - 2x_4 y_1 y_4) - b_{1,1,0,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_3^2 - y_3^2) -$$

$$2x_3 y_1 y_3) - b_{2,0,-1,0,0,0,0,0,0,-2,0}^r(x_1(4x_2 x_5 y_1 y_5 + 2x_5^2 y_1 y_2 - 2y_1 y_2 y_5^2) + x_2(x_1^2 x_5^2 - x_1^2 y_5^2 -$$

$$x_5^2 y_1^2 + y_1^2 y_5^2) + y_2(-2x_1^2 x_5 y_5 + 2x_5 y_1^2 y_5)) - b_{2,0,-1,0,0,0,0,2,0,0,0}^r(x_1(-4x_2 x_4 y_1 y_4 +$$

$$2x_4^2 y_1 y_2 - 2y_1 y_2 y_4^2) + x_2(x_1^2 x_4^2 - x_1^2 y_4^2 - x_4^2 y_1^2 + y_1^2 y_4^2) + y_2(2x_1^2 x_4 y_4 -$$

$$2x_4 y_1^2 y_4)) - b_{2,0,-1,0,2,0,0,0,0,0,0}^r(x_1(-4x_2 x_3 y_1 y_3 + 2x_3^2 y_1 y_2 - 2y_1 y_2 y_3^2) + x_2(x_1^2 x_3^2 -$$

$$x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2) + y_2(2x_1^2 x_3 y_3 - 2x_3 y_1^2 y_3)) - b_{2,0,-3,0,0,0,0,0,0,0,0}^r(x_1^2 x_2^3 +$$

$$x_1(6x_2^2 y_1 y_2 - 2y_1 y_2^3) - x_2^3 y_1^2 + x_2(-3x_1^2 y_2^2 + 3y_1^2 y_2^2)) - b_{2,0,0,0,-1,0,-1,0,1,0}^r(x_1(-$$

$$2x_3 x_4 y_1 y_5 + 2x_3 x_5 y_1 y_4 + 2x_4 x_5 y_1 y_3 + 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 + x_1^2 y_4 y_5 - x_4 x_5 y_1^2 -$$

$$y_1^2 y_4 y_5) + y_3(x_1^2 x_4 y_5 - x_1^2 x_5 y_4 - x_4 y_1^2 y_5 + x_5 y_1^2 y_4)) - b_{2,0,0,0,0,1,0,1,0,-1,0}^r(x_1(2x_3 x_4 y_1 y_5 -$$

$$2x_3 x_5 y_1 y_4 - 2x_4 x_5 y_1 y_3 - 2y_1 y_3 y_4 y_5) + x_3(x_1^2 x_4 x_5 + x_1^2 y_4 y_5 - x_4 x_5 y_1^2 - y_1^2 y_4 y_5) +$$

$$y_3(x_1^2 x_4 y_5 - x_1^2 x_5 y_4 - x_4 y_1^2 y_5 + x_5 y_1^2 y_4)) - b_{2,0,1,0,-2,0,0,0,0,0}^r(x_1(4x_2 x_3 y_1 y_3 - 2x_3^2 y_1 y_2 +$$

$$2y_1 y_2 y_3^2) + x_2(x_1^2 x_3^2 - x_1^2 y_3^2 - x_3^2 y_1^2 + y_1^2 y_3^2) + y_2(2x_1^2 x_3 y_3 - 2x_3 y_1^2 y_3)) -$$

$$b_{2,0,1,0,0,0,-2,0,0,0}^r(x_1(4x_2 x_4 y_1 y_4 - 2x_4^2 y_1 y_2 + 2y_1 y_2 y_4^2) + x_2(x_1^2 x_4^2 - x_1^2 y_4^2 - x_4^2 y_1^2 +$$

$$y_1^2 y_4^2) + y_2(2x_1^2 x_4 y_4 - 2x_4 y_1^2 y_4)) - b_{2,0,1,0,0,0,0,0,0,2,0}^r(x_1(-4x_2 x_5 y_1 y_5 - 2x_5^2 y_1 y_2 +$$

$$2y_1 y_2 y_5^2) + x_2(x_1^2 x_5^2 - x_1^2 y_5^2 - x_5^2 y_1^2 + y_1^2 y_5^2) + y_2(-2x_1^2 x_5 y_5 + 2x_5 y_1^2 y_5)) -$$

$$b_{2,0,3,0,0,0,0,0,0,0,0}^r(x_1^2 x_2^3 + x_1(-6x_2^2 y_1 y_2 + 2y_1 y_2^3) - x_2^3 y_1^2 + x_2(-3x_1^2 y_2^2 + 3y_1^2 y_2^2)) -$$

$$b_{3,0,0,0,-2,0,0,0,0,0}^r(x_1^3 x_3^2 - x_1^3 y_3^2 + 6x_1^2 x_3 y_1 y_3 + x_1(-3x_3^2 y_1^2 + 3y_1^2 y_3^2) - 2x_3 y_1^3 y_3) -$$

$$b_{3,0,0,0,0,0,-2,0,0,0}^r(x_1^3 x_4^2 - x_1^3 y_4^2 + 6x_1^2 x_4 y_1 y_4 + x_1(-3x_4^2 y_1^2 + 3y_1^2 y_4^2) - 2x_4 y_1^3 y_4) -$$

$$b_{3,0,0,0,0,0,0,0,0,2,0}^r(x_1^3 x_5^2 - x_1^3 y_5^2 - 6x_1^2 x_5 y_1 y_5 + x_1(-3x_5^2 y_1^2 + 3y_1^2 y_5^2) + 2x_5 y_1^3 y_5) -$$

$$b_{3,0,2,0,0,0,0,0,0,0,0}^r(x_1^3 x_2^2 - x_1^3 y_2^2 - 6x_1^2 x_2 y_1 y_2 + x_1(-3x_2^2 y_1^2 + 3y_1^2 y_2^2) + 2x_2 y_1^3 y_2) -$$

$$b_{4,0,1,0,0,0,0,0,0,0,0}^r(-4x_1^3 y_1 y_2 + 4x_1 y_1^3 y_2 + x_2(x_1^4 - 6x_1^2 y_1^2 + y_1^4)) - b_{5,0,0,0,0,0,0,0,0,0,0}^r x_1(x_1^4 -$$

$$10x_1^2 y_1^2 + 5y_1^4)$$

5.7   Order: 6

Number of fitting parameters: H_{XX}: 672 (234 from H_{++}, 438 from H_{+-}), H_{XY}: 438 (all from H_{+-}), H_{YY}: 438 (all from H_{+-}).

Polar e-coordinates:

$$H_{XX}^{(6)} = a_{0,0,0,0,0,0,0,0,0,0,3}^r \rho_5^6 + a_{0,0,0,0,0,0,0,0,0,6,0}^r \rho_5^6 \cos(6\phi_5) + a_{0,0,0,0,0,0,0,0,1,0,2}^r \rho_4^2 \rho_5^4 +$$

$$a_{0,0,0,0,0,0,0,0,2,0,1}^r \rho_4^4 \rho_5^2 + a_{0,0,0,0,0,0,0,0,3,0,0}^r \rho_4^6 + a_{0,0,0,0,0,0,0,2,0,-4,0}^r \rho_4^2 \rho_5^4 \cos(2\phi_4 - 4\phi_5) +$$

$$a_{0,0,0,0,0,0,0,2,0,2,1}^r \rho_4^2 \rho_5^4 \cos(2\phi_4 + 2\phi_5) + a_{0,0,0,0,0,0,0,2,1,2,0}^r \rho_4^4 \rho_5^2 \cos(2\phi_4 + 2\phi_5) +$$

$$a_{0,0,0,0,0,0,0,4,0,-2,0}^r \rho_4^4 \rho_5^2 \cos(4\phi_4 - 2\phi_5) + a_{0,0,0,0,0,0,0,6,0,0,0}^r \rho_4^6 \cos(6\phi_4) +$$

$$a_{0,0,0,0,0,1,0,0,0,0,2}^r \rho_3^2 \rho_5^4 + a_{0,0,0,0,0,1,0,1,0,1}^r \rho_3^2 \rho_4^2 \rho_5^2 + a_{0,0,0,0,0,1,0,2,0,0}^r \rho_3^2 \rho_4^4 +$$

$$a_{0,0,0,0,0,1,2,0,2,0}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_4 + 2\phi_5) + a_{0,0,0,0,0,2,0,0,0,1}^r \rho_3^4 \rho_5^2 +$$

$$a_{0,0,0,0,0,2,0,1,0,0}^r \rho_3^4 \rho_4^2 + a_{0,0,0,0,0,3,0,0,0,0}^r \rho_3^6 + a_{0,0,0,0,2,0,-2,0,0,1}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_3 -$$

$$2\phi_4) + a_{0,0,0,0,2,0,-2,1,0,0}^r \rho_3^2 \rho_4^4 \cos(2\phi_3 - 2\phi_4) + a_{0,0,0,0,2,0,0,0,-4,0}^r \rho_3^2 \rho_5^4 \cos(2\phi_3 - 4\phi_5) +$$

$$a_{0,0,0,0,2,0,0,0,2,1}^r \rho_3^2 \rho_5^4 \cos(2\phi_3 + 2\phi_5) + a_{0,0,0,0,2,0,0,1,2,0}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_3 + 2\phi_5) +$$

$$a_{0,0,0,0,2,0,2,0,-2,0}^r \rho_3^2 \rho_4^2 \rho_5^2 \cos(2\phi_3 + 2\phi_4 - 2\phi_5) + a_{0,0,0,0,2,0,4,0,0,0}^r \rho_3^2 \rho_4^4 \cos(2\phi_3 +$$

$$4\phi_4) + a_{0,0,0,0,2,1,-2,0,0,0}^r \rho_3^4 \rho_4^2 \cos(2\phi_3 - 2\phi_4) + a_{0,0,0,0,2,1,0,0,2,0}^r \rho_3^4 \rho_5^2 \cos(2\phi_3 + 2\phi_5) +$$

$$a_{0,0,0,0,4,0,0,0,-2,0}^r \rho_3^4 \rho_5^2 \cos(4\phi_3 - 2\phi_5) + a_{0,0,0,0,4,0,2,0,0,0}^r \rho_3^4 \rho_4^2 \cos(4\phi_3 + 2\phi_4) +$$

$$a^r_{0,0,0,0,6,0,0,0,0,0,0,0}\rho_3^6\cos(6\phi_3) + a^r_{0,0,0,1,0,0,0,0,0,0,0,2}\rho_2^2\rho_5^4 + a^r_{0,0,0,1,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2+$$

$$a^r_{0,0,0,1,0,0,0,2,0,0}\rho_2^2\rho_4^4 + a^r_{0,0,0,1,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5)+$$

$$a^r_{0,0,0,1,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2 + a^r_{0,0,0,1,0,1,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2 + a^r_{0,0,0,1,0,2,0,0,0,0,0}\rho_2^2\rho_3^4+$$

$$a^r_{0,0,0,1,2,0,-2,0,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4) + a^r_{0,0,0,1,2,0,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3+$$

$$2\phi_5) + a^r_{0,0,0,2,0,0,0,0,0,0,1}\rho_2^4\rho_5^2 + a^r_{0,0,0,2,0,0,0,0,1,0,0}\rho_2^4\rho_4^2 + a^r_{0,0,0,2,0,1,0,0,0,0,0}\rho_2^4\rho_3^2+$$

$$a^r_{0,0,0,3,0,0,0,0,0,0,0,0}\rho_2^6 + a^r_{0,0,1,0,-1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(-\phi_2+\phi_3+\phi_4+3\phi_5)+$$

$$a^r_{0,0,1,0,-1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2-\phi_3-\phi_4+3\phi_5)+$$

$$a^r_{0,0,1,0,-1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3-3\phi_4+\phi_5)+$$

$$a^r_{0,0,1,0,-1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,-1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,-1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3+3\phi_4+\phi_5)+$$

$$a^r_{0,0,1,0,-1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,-3,0,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2-3\phi_3-\phi_4+\phi_5)+$$

$$a^r_{0,0,1,0,1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,1,0,1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$a^r_{0,0,1,0,1,0,1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$a^r_{0,0,1,0,1,0,1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$

$$a^r_{0,0,1,0,1,0,1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$a^r_{0,0,1,0,3,0,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+3\phi_3-\phi_4+\phi_5)+$$

$$a^r_{0,0,1,1,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,1,1,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$

$$a^r_{0,0,1,1,1,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5) + a^r_{0,0,2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(-$$

$$2\phi_2+2\phi_3+2\phi_4) + a^r_{0,0,2,0,-2,0,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2-2\phi_3+2\phi_5)+$$

$$a^r_{0,0,2,0,-4,0,0,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2-4\phi_3) + a^r_{0,0,2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2-2\phi_4+$$

$$2\phi_5) + a^r_{0,0,2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\cos(2\phi_2-4\phi_4) + a^r_{0,0,2,0,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\cos(2\phi_2-2\phi_5)+$$

$$a^r_{0,0,2,0,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\cos(2\phi_2+4\phi_5) + a^r_{0,0,2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2-2\phi_5)+$$

$$a^r_{0,0,2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2+2\phi_4) + a^r_{0,0,2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_2+2\phi_4)+$$

$$a^r_{0,0,2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2-2\phi_5) + a^r_{0,0,2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2+$$

$$2\phi_4) + a^r_{0,0,2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2+2\phi_3)+$$

$$a^r_{0,0,2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2+2\phi_3) + a^r_{0,0,2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2+2\phi_3)+$$

$$a^r_{0,0,2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(2\phi_2-2\phi_5) + a^r_{0,0,2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_2+2\phi_4)+$$

$$a^r_{0,0,2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2+2\phi_3) + a^r_{0,0,3,0,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2-\phi_3-\phi_4+$$

$$\phi_5) + a^r_{0,0,3,0,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{0,0,4,0,-2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2-2\phi_3) + a^r_{0,0,4,0,0,0,-2,0,0,0}\rho_2^4\rho_4^2\cos(4\phi_2-2\phi_4)+$$

$$a^r_{0,0,4,0,0,0,0,0,2,0}\rho_2^4\rho_5^2\cos(4\phi_2+2\phi_5) + a^r_{0,0,6,0,0,0,0,0,0,0,0}\rho_2^6\cos(6\phi_2)+$$

$$a^r_{0,1,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4 + a^r_{0,1,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2 + a^r_{0,1,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4+$$

$$a^r_{0,1,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5) + a^r_{0,1,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2+$$

$$a^r_{0,1,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2 + a^r_{0,1,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4+$$

$$a^r_{0,1,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4) + a^r_{0,1,0,0,2,0,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3+$$

$$2\phi_5) + a^r_{0,1,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2 + a^r_{0,1,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2+$$

$$a^r_{0,1,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2 + a^r_{0,1,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4+$$

$a^r_{0,1,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$

$a^r_{0,1,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$

$a^r_{0,1,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{0,1,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,1,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2+$

$2\phi_4)+a^r_{0,1,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2+2\phi_3)+a^r_{0,2,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2+$

$a^r_{0,2,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2+a^r_{0,2,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2+a^r_{0,2,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2+$

$a^r_{0,3,0,0,0,0,0,0,0,0}\rho_1^6+a^r_{1,0,-1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_3+2\phi_5)+$

$a^r_{1,0,-1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2-2\phi_3+2\phi_4)+$

$a^r_{1,0,-1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_4+2\phi_5)+$

$a^r_{1,0,-1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2)+$

$a^r_{1,0,-1,0,0,0,2,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+$

$2\phi_4+2\phi_5)+a^r_{1,0,-1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2)+$

$a^r_{1,0,-1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1-\phi_2)+$

$a^r_{1,0,-1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_3-2\phi_4)+$

$a^r_{1,0,-1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_3+2\phi_5)+$

$a^r_{1,0,-1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-\phi_2)+$

$a^r_{1,0,-1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,2,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1-\phi_2)+$

$a^r_{1,0,-2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,-2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,-2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2+\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,-3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(-\phi_1+3\phi_2+2\phi_3)+a^r_{1,0,-3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(-\phi_1+$

$3\phi_2+2\phi_4)+a^r_{1,0,-3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-3\phi_2+2\phi_5)+$

$a^r_{1,0,0,0,-1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(-\phi_1+\phi_3+\phi_4+3\phi_5)+$

$a^r_{1,0,0,0,-1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3-\phi_4+3\phi_5)+$

$a^r_{1,0,0,0,-1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3-3\phi_4+\phi_5)+$

$a^r_{1,0,0,0,-1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,0,-1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,0,-1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+3\phi_4+\phi_5)+$

$a^r_{1,0,0,0,-1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,0,-3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,0,0,1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,0,1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,0,1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,0,0,1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,0,0,1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,0,1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,0,0,3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,0,1,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,0,1,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,0,0,1,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3-2\phi_4)+$

$a^r_{1,0,1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3+2\phi_5)+$

$a^r_{1,0,1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2-4\phi_3)+a^r_{1,0,1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_4+2\phi_5)+a^r_{1,0,1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2-4\phi_4)+$

$a^r_{1,0,1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,0,1,0,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2+4\phi_5)+a^r_{1,0,1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+$

$a^r_{1,0,1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3)+$

$a^r_{1,0,1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,0,1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,0,1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,0,2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2-2\phi_3)+a^r_{1,0,3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+3\phi_2-2\phi_4)+a^r_{1,0,3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2+2\phi_5)+$

$a^r_{1,0,5,0,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+5\phi_2)+a^r_{1,1,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,1,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1-\phi_2)+a^r_{1,1,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+a^r_{1,1,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,1,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,1,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,1,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,1,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,2,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(\phi_1-\phi_2)+$

$a^r_{2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1-2\phi_2)+a^r_{2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(-2\phi_1+2\phi_3+2\phi_4)+$

$a^r_{2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_3+2\phi_5)+a^r_{2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1-4\phi_3)+a^r_{2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_4+2\phi_5)+$

$a^r_{2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1-4\phi_4)+a^r_{2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\cos(2\phi_1-2\phi_5)+$

$a^r_{2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\cos(2\phi_1+4\phi_5)+a^r_{2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_5)+$

$a^r_{2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4)+a^r_{2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_1+2\phi_4)+$

$a^r_{2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_4)+a^r_{2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3)+a^r_{2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_4)+a^r_{2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_2-2\phi_3)+$

$a^r_{2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_2-2\phi_4)+$

$$a^r_{2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2+2\phi_5)+a^r_{2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1+$$
$$4\phi_2)+a^r_{2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1-2\phi_2)+a^r_{2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(2\phi_1-2\phi_5)+$$
$$a^r_{2,1,0,0,0,0,0,2,0,0}\rho_1^4\rho_4^2\cos(2\phi_1+2\phi_4)+a^r_{2,1,0,0,0,2,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1+2\phi_3)+$$
$$a^r_{3,0,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(-3\phi_1+\phi_2+2\phi_5)+a^r_{3,0,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1-$$
$$\phi_2+2\phi_4)+a^r_{3,0,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1-\phi_2+2\phi_3)+$$
$$a^r_{3,0,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1-3\phi_2)+a^r_{3,0,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1-\phi_3-\phi_4+$$
$$\phi_5)+a^r_{3,0,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1+\phi_3+\phi_4-\phi_5)+$$
$$a^r_{3,0,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1+\phi_2-2\phi_3)+a^r_{3,0,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1+$$
$$\phi_2-2\phi_4)+a^r_{3,0,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1+\phi_2+2\phi_5)+$$
$$a^r_{3,0,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1+3\phi_2)+a^r_{4,0,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1-2\phi_3)+$$
$$a^r_{4,0,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\cos(4\phi_1-2\phi_4)+a^r_{4,0,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\cos(4\phi_1+2\phi_5)+$$
$$a^r_{4,0,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1+2\phi_2)+a^r_{5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(5\phi_1+\phi_2)+$$
$$a^r_{6,0,0,0,0,0,0,0,0,0}\rho_1^6\cos(6\phi_1)+b^r_{-1,0,-1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3+2\phi_4)+$$
$$b^r_{-1,0,-1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3-2\phi_5)+$$
$$b^r_{-1,0,-1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2+4\phi_3)+b^r_{-1,0,-1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+$$
$$\phi_2+2\phi_4-2\phi_5)+b^r_{-1,0,-1,0,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2+4\phi_4)+$$
$$b^r_{-1,0,-1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,-1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2-$$
$$4\phi_5)+b^r_{-1,0,-1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)+$$
$$b^r_{-1,0,-1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_4)+b^r_{-1,0,-1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+$$
$$\phi_2-2\phi_4)+b^r_{-1,0,-1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)+$$
$$b^r_{-1,0,-1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_4)+$$
$$b^r_{-1,0,-1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3)+$$
$$b^r_{-1,0,-1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3)+b^r_{-1,0,-1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+$$
$$\phi_2-2\phi_3)+b^r_{-1,0,-1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)+$$
$$b^r_{-1,0,-1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2-2\phi_4)+b^r_{-1,0,-1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+$$
$$\phi_2-2\phi_3)+b^r_{-1,0,-2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)+$$
$$b^r_{-1,0,-2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)+$$
$$b^r_{-1,0,-2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$b^r_{-1,0,-3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2)+b^r_{-1,0,-3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+3\phi_2)+$$
$$b^r_{-1,0,-3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2)+b^r_{-1,0,-3,1,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+3\phi_2)+$$
$$b^r_{-1,0,0,0,-1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4-\phi_5)+$$
$$b^r_{-1,0,0,0,-1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)+$$
$$b^r_{-1,0,0,0,-1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+3\phi_4+\phi_5)+$$
$$b^r_{-1,0,0,0,-1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4+3\phi_5)+$$
$$b^r_{-1,0,0,0,-1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4-3\phi_5)+$$
$$b^r_{-1,0,0,0,-1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-3\phi_4+\phi_5)+$$
$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)+$$
$$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3+\phi_4+\phi_5)+$$
$$b^r_{-1,0,0,0,-3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3-\phi_4-\phi_5)+$$
$$b^r_{-1,0,0,0,1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4+3\phi_5)+$$
$$b^r_{-1,0,0,0,1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4-3\phi_5)+$$
$$b^r_{-1,0,0,0,1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+3\phi_4-\phi_5)+$$

$b^r_{-1,0,0,0,1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)+b^r_{-1,0,0,0,1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(-\phi_1+\phi_3+3\phi_4+\phi_5)+b^r_{-1,0,0,0,1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(-\phi_1+3\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,0,1,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,0,1,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_3)+$

$b^r_{-1,0,1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_4)+$

$b^r_{-1,0,1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1-\phi_2+2\phi_4)+b^r_{-1,0,1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1-\phi_2+4\phi_5)+b^r_{-1,0,1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\cos(-\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,1,0,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2-2\phi_4+2\phi_5)+$

$b^r_{-1,0,1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\cos(-\phi_1+\phi_2+4\phi_4)+b^r_{-1,0,1,0,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_4)+b^r_{-1,0,1,0,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)+$

$b^r_{-1,0,1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2-2\phi_3+2\phi_5)+$

$b^r_{-1,0,1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(-\phi_1+\phi_2+2\phi_3+2\phi_4)+b^r_{-1,0,1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(-\phi_1+\phi_2+4\phi_3)+b^r_{-1,0,1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-\phi_2+2\phi_3)+$

$b^r_{-1,0,1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-\phi_2+2\phi_4)+b^r_{-1,0,1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-3\phi_2)+b^r_{-1,0,3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-3\phi_2)+$

$b^r_{-1,0,3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-3\phi_2)+b^r_{-1,0,3,1,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1-3\phi_2)+$

$b^r_{-1,1,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)+b^r_{-1,1,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2-2\phi_4)+b^r_{-1,1,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2-2\phi_3)+$

$b^r_{-1,1,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1+3\phi_2)+b^r_{-1,1,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)+b^r_{-1,1,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,1,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1-\phi_2+2\phi_3)+b^r_{-1,1,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1-\phi_2+2\phi_4)+b^r_{-1,1,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)+$

$b^r_{-1,1,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1-3\phi_2)+b^r_{-2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+b^r_{-2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$b^r_{-2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{-2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2)+b^r_{-2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_2)+b^r_{-2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_2)+b^r_{-2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1+2\phi_2)+b^r_{-2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3+2\phi_4)+$

$b^r_{-2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3-2\phi_5)+b^r_{-2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1+4\phi_3)+b^r_{-2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4-2\phi_5)+$

$b^r_{-2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1+4\phi_4)+b^r_{-2,0,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\cos(2\phi_1+2\phi_5)+$

$b^r_{-2,0,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\cos(2\phi_1-4\phi_5)+b^r_{-2,0,0,0,0,0,0,1,-2,0,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_5)+$

$b^r_{-2,0,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_4)+b^r_{-2,0,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_1-2\phi_4)+$

$b^r_{-2,0,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_5)+b^r_{-2,0,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1-$

$2\phi_4) + b^r_{-2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1 - 2\phi_3)+$

$b^r_{-2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1 - 2\phi_3) + b^r_{-2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1 - 2\phi_3)+$

$b^r_{-2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1 + 2\phi_5) + b^r_{-2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1 -$

$2\phi_4) + b^r_{-2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1 - 2\phi_3)+$

$b^r_{-2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1 - \phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$b^r_{-2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1 + \phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$b^r_{-2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1 - 2\phi_2 + 2\phi_3)+$

$b^r_{-2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1 - 2\phi_2 + 2\phi_4) + b^r_{-2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(-$

$2\phi_1 + 2\phi_2 + 2\phi_5) + b^r_{-2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1 - 4\phi_2)+$

$b^r_{-2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1 + 2\phi_2) + b^r_{-2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(2\phi_1 + 2\phi_5)+$

$b^r_{-2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_1 - 2\phi_4) + b^r_{-2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1 - 2\phi_3)+$

$b^r_{-3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1 + \phi_2) + b^r_{-3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1 + \phi_2)+$

$b^r_{-3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1 + \phi_2) + b^r_{-3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1 + \phi_2)+$

$b^r_{-3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 + \phi_3 - \phi_4 + \phi_5)+$

$b^r_{-3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 - \phi_3 + \phi_4 + \phi_5)+$

$b^r_{-3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(-3\phi_1 + \phi_3 + \phi_4 + \phi_5)+$

$b^r_{-3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1 - \phi_2 + 2\phi_5) + b^r_{-3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(-3\phi_1 +$

$\phi_2 + 2\phi_4) + b^r_{-3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(-3\phi_1 + \phi_2 + 2\phi_3)+$

$b^r_{-3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(3\phi_1 + \phi_2) + b^r_{-4,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\cos(4\phi_1)+$

$b^r_{-4,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\cos(4\phi_1) + b^r_{-4,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1)+$

$b^r_{-4,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1) + b^r_{-4,1,0,0,0,0,0,0,0,0}\rho_1^6\cos(4\phi_1)+$

$b^r_{-5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(5\phi_1 - \phi_2) + b^r_{0,0,-1,0,-1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 + \phi_4 -$

$\phi_5) + b^r_{0,0,-1,0,-1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 + 3\phi_4 + \phi_5)+$

$b^r_{0,0,-1,0,-1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 - \phi_4 + 3\phi_5)+$

$b^r_{0,0,-1,0,-1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 - \phi_4 - 3\phi_5)+$

$b^r_{0,0,-1,0,-1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 - 3\phi_4 + \phi_5)+$

$b^r_{0,0,-1,0,-1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + 3\phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,-1,0,-3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + 3\phi_3 - \phi_4 - \phi_5)+$

$b^r_{0,0,-1,0,1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 + \phi_4 + 3\phi_5)+$

$b^r_{0,0,-1,0,1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 + \phi_4 - 3\phi_5)+$

$b^r_{0,0,-1,0,1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 - \phi_3 + 3\phi_4 - \phi_5)+$

$b^r_{0,0,-1,0,1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,0,-1,0,1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5) + b^r_{0,0,-1,0,1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(-$

$\phi_2 + \phi_3 + 3\phi_4 + \phi_5) + b^r_{0,0,-1,0,1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,0,-1,0,3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - 3\phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,-1,0,3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(-\phi_2 + 3\phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,-1,1,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,0,-1,1,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,0,-2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 + 2\phi_3 + 2\phi_4)+$

$b^r_{0,0,-2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_3 - 2\phi_5) + b^r_{0,0,-2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2 +$

$4\phi_3) + b^r_{0,0,-2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_4 - 2\phi_5)+$

$b^r_{0,0,-2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\cos(2\phi_2 + 4\phi_4) + b^r_{0,0,-2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\cos(2\phi_2 + 2\phi_5)+$

$b^r_{0,0,-2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\cos(2\phi_2 - 4\phi_5) + b^r_{0,0,-2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_5)+$

$b^r_{0,0,-2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 - 2\phi_4) + b^r_{0,0,-2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_2 - 2\phi_4)+$

$b^r_{0,0,-2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_5) + b^r_{0,0,-2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2-$

$2\phi_4) + b^r_{0,0,-2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 - 2\phi_3)+$

$b^r_{0,0,-2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 - 2\phi_3) + b^r_{0,0,-2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2 - 2\phi_3)+$

$b^r_{0,0,-2,1,0,0,0,0,-2,0}\rho_2^2\rho_5^2\cos(2\phi_2 + 2\phi_5) + b^r_{0,0,-2,1,0,0,2,0,0,0}\rho_2^2\rho_4^2\cos(2\phi_2 - 2\phi_4)+$

$b^r_{0,0,-2,1,2,0,0,0,0,0}\rho_2^2\rho_3^2\cos(2\phi_2 - 2\phi_3) + b^r_{0,0,-3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3-$

$\phi_4 + \phi_5) + b^r_{0,0,-3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 - \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,-3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(-3\phi_2 + \phi_3 + \phi_4 + \phi_5) + b^r_{0,0,-4,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\cos(4\phi_2)+$

$b^r_{0,0,-4,0,0,0,0,1,0,0}\rho_2^4\rho_4^2\cos(4\phi_2) + b^r_{0,0,-4,0,0,1,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2)+$

$b^r_{0,0,-4,1,0,0,0,0,0,0}\rho_2^6\cos(4\phi_2) + b^r_{0,0,0,0,-2,0,-2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 + 2\phi_4 + 2\phi_5)+$

$b^r_{0,0,0,0,-2,0,0,0,0,2}\rho_3^2\rho_5^4\cos(2\phi_3) + b^r_{0,0,0,0,-2,0,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3)+$

$b^r_{0,0,0,0,-2,0,2,0,0,0}\rho_3^2\rho_4^4\cos(2\phi_3) + b^r_{0,0,0,0,-2,0,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(-2\phi_3 + 2\phi_4 + 2\phi_5)+$

$b^r_{0,0,0,0,-2,1,0,0,0,1}\rho_3^4\rho_5^2\cos(2\phi_3) + b^r_{0,0,0,0,-2,1,0,1,0,0}\rho_3^4\rho_4^2\cos(2\phi_3)+$

$b^r_{0,0,0,0,-2,2,0,0,0,0}\rho_3^6\cos(2\phi_3) + b^r_{0,0,0,0,-4,0,0,0,-2,0}\rho_3^4\rho_5^2\cos(4\phi_3 + 2\phi_5)+$

$b^r_{0,0,0,0,-4,0,2,0,0,0}\rho_3^4\rho_4^2\cos(4\phi_3 - 2\phi_4) + b^r_{0,0,0,0,0,0,-2,0,0,2}\rho_4^2\rho_5^4\cos(2\phi_4)+$

$b^r_{0,0,0,0,0,0,-2,1,0,1}\rho_4^4\rho_5^2\cos(2\phi_4) + b^r_{0,0,0,0,0,0,-2,2,0,0}\rho_4^6\cos(2\phi_4)+$

$b^r_{0,0,0,0,0,0,-4,0,-2,0}\rho_4^4\rho_5^2\cos(4\phi_4 + 2\phi_5) + b^r_{0,0,0,0,0,0,0,0,-4,1}\rho_5^6\cos(4\phi_5)+$

$b^r_{0,0,0,0,0,0,0,0,2,2}\rho_5^6\cos(2\phi_5) + b^r_{0,0,0,0,0,0,0,1,-4,0}\rho_4^2\rho_5^4\cos(4\phi_5)+$

$b^r_{0,0,0,0,0,0,0,1,2,1}\rho_4^2\rho_5^4\cos(2\phi_5) + b^r_{0,0,0,0,0,0,0,2,2,0}\rho_4^4\rho_5^2\cos(2\phi_5)+$

$b^r_{0,0,0,0,0,0,2,0,-2,1}\rho_4^2\rho_5^4\cos(2\phi_4 - 2\phi_5) + b^r_{0,0,0,0,0,0,2,0,4,0}\rho_4^2\rho_5^4\cos(2\phi_4 + 4\phi_5)+$

$b^r_{0,0,0,0,0,0,2,1,-2,0}\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5) + b^r_{0,0,0,0,0,0,4,0,0,1}\rho_4^4\rho_5^2\cos(4\phi_4)+$

$b^r_{0,0,0,0,0,0,4,1,0,0}\rho_4^6\cos(4\phi_4) + b^r_{0,0,0,0,0,1,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_4)+$

$b^r_{0,0,0,0,0,1,-2,1,0,0}\rho_3^2\rho_4^4\cos(2\phi_4) + b^r_{0,0,0,0,0,1,0,0,-4,0}\rho_3^2\rho_5^4\cos(4\phi_5)+$

$b^r_{0,0,0,0,0,1,0,0,2,1}\rho_3^2\rho_5^4\cos(2\phi_5) + b^r_{0,0,0,0,0,1,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_5)+$

$b^r_{0,0,0,0,0,1,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5) + b^r_{0,0,0,0,0,1,4,0,0,0}\rho_3^2\rho_4^4\cos(4\phi_4)+$

$b^r_{0,0,0,0,0,2,-2,0,0,0}\rho_3^4\rho_4^2\cos(2\phi_4) + b^r_{0,0,0,0,0,2,0,0,0,2,0}\rho_3^4\rho_5^2\cos(2\phi_5)+$

$b^r_{0,0,0,0,2,0,-2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 - 2\phi_4 + 2\phi_5) + b^r_{0,0,0,0,2,0,-4,0,0,0}\rho_3^2\rho_4^4\cos(2\phi_3-$

$4\phi_4) + b^r_{0,0,0,0,2,0,0,0,-2,1}\rho_3^2\rho_5^4\cos(2\phi_3 - 2\phi_5) + b^r_{0,0,0,0,2,0,0,0,4,0}\rho_3^2\rho_5^4\cos(2\phi_3 + 4\phi_5)+$

$b^r_{0,0,0,0,2,0,0,1,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 - 2\phi_5) + b^r_{0,0,0,0,2,0,2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3+$

$2\phi_4) + b^r_{0,0,0,0,2,0,2,1,0,0}\rho_3^2\rho_4^4\cos(2\phi_3 + 2\phi_4) + b^r_{0,0,0,0,2,1,0,0,-2,0}\rho_3^4\rho_5^2\cos(2\phi_3 - 2\phi_5)+$

$b^r_{0,0,0,0,2,1,2,0,0,0}\rho_3^4\rho_4^2\cos(2\phi_3 + 2\phi_4) + b^r_{0,0,0,0,4,0,0,0,0,1}\rho_3^4\rho_5^2\cos(4\phi_3)+$

$b^r_{0,0,0,0,4,0,0,1,0,0}\rho_3^4\rho_4^2\cos(4\phi_3) + b^r_{0,0,0,0,4,1,0,0,0,0}\rho_3^6\cos(4\phi_3)+$

$b^r_{0,0,0,1,-2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3) + b^r_{0,0,0,1,-2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3)+$

$b^r_{0,0,0,1,-2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_3) + b^r_{0,0,0,1,0,0,-2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4)+$

$b^r_{0,0,0,1,0,0,-2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_4) + b^r_{0,0,0,1,0,0,0,0,-4,0}\rho_2^2\rho_5^4\cos(4\phi_5)+$

$b^r_{0,0,0,1,0,0,0,0,2,1}\rho_2^2\rho_5^4\cos(2\phi_5) + b^r_{0,0,0,1,0,0,0,1,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_5)+$

$b^r_{0,0,0,1,0,0,2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5) + b^r_{0,0,0,1,0,0,4,0,0,0}\rho_2^2\rho_4^4\cos(4\phi_4)+$

$b^r_{0,0,0,1,0,1,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_4) + b^r_{0,0,0,1,0,1,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_5)+$

$b^r_{0,0,0,1,2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3 - 2\phi_5) + b^r_{0,0,0,1,2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3+$

$2\phi_4) + b^r_{0,0,0,1,4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(4\phi_3) + b^r_{0,0,0,2,-2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_3)+$

$b^r_{0,0,0,2,0,0,-2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_4) + b^r_{0,0,0,2,0,0,0,0,2,0}\rho_2^4\rho_5^2\cos(2\phi_5)+$

$b^r_{0,0,1,0,-1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,-1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,-1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,-1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5) + b^r_{0,0,1,0,-1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5) + b^r_{0,0,1,0,-1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,-3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - 3\phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,0,1,0,1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 - 3\phi_4 - \phi_5)+$

$b^r_{0,0,1,0,1,0,1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 + \phi_4 - 3\phi_5)+$

$b^r_{0,0,1,0,1,0,1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 + \phi_4 + 3\phi_5)+$

$b^r_{0,0,1,0,1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 + 3\phi_4 - \phi_5)+$

$b^r_{0,0,1,0,1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,0,1,0,3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + 3\phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,0,1,1,-1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,1,1,-1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)+$

$b^r_{0,0,1,1,1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5) + b^r_{0,0,2,0,-2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(-2\phi_2 + 2\phi_3 + 2\phi_5) + b^r_{0,0,2,0,-2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 - 2\phi_3 + 2\phi_4)+$

$b^r_{0,0,2,0,0,0,-2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(-2\phi_2 + 2\phi_4 + 2\phi_5) + b^r_{0,0,2,0,0,0,0,0,0,2}\rho_2^2\rho_5^4\cos(2\phi_2)+$

$b^r_{0,0,2,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2) + b^r_{0,0,2,0,0,0,0,0,2,0,0}\rho_2^2\rho_4^4\cos(2\phi_2)+$

$b^r_{0,0,2,0,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_4 + 2\phi_5)+$

$b^r_{0,0,2,0,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2) + b^r_{0,0,2,0,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2)+$

$b^r_{0,0,2,0,0,2,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2) + b^r_{0,0,2,0,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 + 2\phi_3 - 2\phi_4)+$

$b^r_{0,0,2,0,2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_3 + 2\phi_5) + b^r_{0,0,2,1,0,0,0,0,0,1}\rho_2^4\rho_5^2\cos(2\phi_2)+$

$b^r_{0,0,2,1,0,0,0,1,0,0}\rho_2^4\rho_4^2\cos(2\phi_2) + b^r_{0,0,2,1,0,1,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2)+$

$b^r_{0,0,2,2,0,0,0,0,0,0}\rho_2^6\cos(2\phi_2) + b^r_{0,0,3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 - \phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,0,3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3 - \phi_4 - \phi_5)+$

$b^r_{0,0,3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3 + \phi_4 + \phi_5) + b^r_{0,0,4,0,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(4\phi_2 - 2\phi_5) + b^r_{0,0,4,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(4\phi_2 + 2\phi_4) + b^r_{0,0,4,0,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2 + 2\phi_3)+$

$b^r_{0,1,-1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$

$b^r_{0,1,-1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$

$b^r_{0,1,-2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2 + 2\phi_5) + b^r_{0,1,-2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2 - 2\phi_4) + b^r_{0,1,-2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2 - 2\phi_3) + b^r_{0,1,-4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(4\phi_2)+$

$b^r_{0,1,0,0,-2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3) + b^r_{0,1,0,0,-2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3)+$

$b^r_{0,1,0,0,-2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_3) + b^r_{0,1,0,0,0,0,-2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4)+$

$b^r_{0,1,0,0,0,0,-2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_4) + b^r_{0,1,0,0,0,0,0,0,-4,0}\rho_1^2\rho_5^4\cos(4\phi_5)+$

$b^r_{0,1,0,0,0,0,0,0,2,1}\rho_1^2\rho_5^4\cos(2\phi_5) + b^r_{0,1,0,0,0,0,0,1,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_5)+$

$b^r_{0,1,0,0,0,0,2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5) + b^r_{0,1,0,0,0,0,4,0,0,0}\rho_1^2\rho_4^4\cos(4\phi_4)+$

$b^r_{0,1,0,0,0,1,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_4) + b^r_{0,1,0,0,0,1,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_5)+$

$b^r_{0,1,0,0,0,2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3 - 2\phi_5) + b^r_{0,1,0,0,0,2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3+$

$2\phi_4) + b^r_{0,1,0,0,4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(4\phi_3) + b^r_{0,1,0,1,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_3)+$

$b^r_{0,1,0,1,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_4) + b^r_{0,1,0,1,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_5)+$

$b^r_{0,1,1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{0,1,1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4+\phi_5)+$

$b^r_{0,1,1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4+\phi_5)+$

$b^r_{0,1,2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2) + b^r_{0,1,2,0,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2)+$

$b^r_{0,1,2,0,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2) + b^r_{0,1,2,1,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_2)+$

$b^r_{0,2,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_3) + b^r_{0,2,0,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_4)+$

$b^r_{0,2,0,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\cos(2\phi_5) + b^r_{0,2,2,0,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_2)+$

$b^r_{1,0,-1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_3)+$

$b^r_{1,0,-1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(-\phi_1+\phi_2+2\phi_3) + b^r_{1,0,-1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(-\phi_1+\phi_2+2\phi_3) + b^r_{1,0,-1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_4)+$

$b^r_{1,0,-1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\cos(-\phi_1+\phi_2+2\phi_4) + b^r_{1,0,-1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\cos(-\phi_1+\phi_2+4\phi_5) + b^r_{1,0,-1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1-\phi_2+2\phi_5)+$

$b^r_{1,0,-1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_5)+$

$b^r_{1,0,-1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_4-2\phi_5)+$

$b^r_{1,0,-1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1-\phi_2+4\phi_4) + b^r_{1,0,-1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(-\phi_1+\phi_2+2\phi_4) + b^r_{1,0,-1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_5)+$

$b^r_{1,0,-1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_3-2\phi_5)+$

$b^r_{1,0,-1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_3+2\phi_4)+$

$b^r_{1,0,-1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1-\phi_2+4\phi_3) + b^r_{1,0,-1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(-\phi_1+\phi_2+2\phi_3) + b^r_{1,0,-1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(-\phi_1+\phi_2+2\phi_4)+$

$b^r_{1,0,-1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-\phi_2+2\phi_5) + b^r_{1,0,-2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2+\phi_3+\phi_4-\phi_5) + b^r_{1,0,-2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2+\phi_3+\phi_4-\phi_5) + b^r_{1,0,-3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(-\phi_1+3\phi_2+2\phi_5)+$

$b^r_{1,0,-3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-3\phi_2+2\phi_4) + b^r_{1,0,-3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-3\phi_2+2\phi_3) + b^r_{1,0,-5,0,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1-5\phi_2) + b^r_{1,0,0,0,0,-1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(-\phi_1+\phi_3+\phi_4+\phi_5) + b^r_{1,0,0,0,0,-1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5)+$

$b^r_{1,0,0,0,0,-1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4+\phi_5)+$

$b^r_{1,0,0,0,0,-1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5) + b^r_{1,0,0,0,0,-1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5) + b^r_{1,0,0,0,0,-1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)+$

$b^r_{1,0,0,0,0,-3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3+\phi_4-\phi_5)+$

$b^r_{1,0,0,0,0,1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4+\phi_5)+$

$b^r_{1,0,0,0,0,1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)+$

$b^r_{1,0,0,0,0,1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-3\phi_4-\phi_5)+$

$b^r_{1,0,0,0,0,1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4-3\phi_5)+$

$b^r_{1,0,0,0,0,1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4+3\phi_5)+$

$b^r_{1,0,0,0,0,1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+3\phi_4-\phi_5)+$

$b^r_{1,0,0,0,0,1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)+$

$b^r_{1,0,0,0,0,3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3+\phi_4-\phi_5)+$

$b^r_{1,0,0,1,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5)+$

$b^r_{1,0,0,1,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)+$

$$b^r_{1,0,0,1,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)+$$

$$b^r_{1,0,1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3-2\phi_5)+$$

$$b^r_{1,0,1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3+2\phi_4)+$$

$$b^r_{1,0,1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_4-2\phi_5)+$$

$$b^r_{1,0,1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2)+b^r_{1,0,1,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2)+$$

$$b^r_{1,0,1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2)+b^r_{1,0,1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+$$

$$2\phi_4+2\phi_5)+b^r_{1,0,1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2)+$$

$$b^r_{1,0,1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2)+b^r_{1,0,1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2)+$$

$$b^r_{1,0,1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3-2\phi_4)+$$

$$b^r_{1,0,1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3+2\phi_5)+$$

$$b^r_{1,0,1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2)+b^r_{1,0,1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2)+$$

$$b^r_{1,0,1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+\phi_2)+b^r_{1,0,1,2,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+\phi_2)+$$

$$b^r_{1,0,2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3+\phi_4-\phi_5)+$$

$$b^r_{1,0,2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3-\phi_4-\phi_5)+$$

$$b^r_{1,0,2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{1,0,3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2-2\phi_5)+b^r_{1,0,3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+$$

$$3\phi_2+2\phi_4)+b^r_{1,0,3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2+2\phi_3)+$$

$$b^r_{1,1,-1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(-\phi_1+\phi_2+2\phi_3)+b^r_{1,1,-1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(-\phi_1+$$

$$\phi_2+2\phi_4)+b^r_{1,1,-1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1-\phi_2+2\phi_5)+$$

$$b^r_{1,1,0,0,-1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{1,1,0,0,-1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)+$$

$$b^r_{1,1,0,0,1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)+$$

$$b^r_{1,1,1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2)+b^r_{1,1,1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2)+$$

$$b^r_{1,1,1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2)+b^r_{1,1,1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1+\phi_2)+$$

$$b^r_{1,2,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(\phi_1+\phi_2)+b^r_{2,0,-1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2+$$

$$\phi_3+\phi_4+\phi_5)+b^r_{2,0,-1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2-\phi_3+\phi_4+\phi_5)+$$

$$b^r_{2,0,-1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2+\phi_3-\phi_4+\phi_5)+$$

$$b^r_{2,0,-2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(-2\phi_1+2\phi_2+2\phi_3)+b^r_{2,0,-2,0,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(-$$

$$2\phi_1+2\phi_2+2\phi_4)+b^r_{2,0,-2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_2+2\phi_5)+$$

$$b^r_{2,0,0,0,-2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(-2\phi_1+2\phi_3+2\phi_5)+$$

$$b^r_{2,0,0,0,-2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1-2\phi_3+2\phi_4)+b^r_{2,0,0,0,0,0,-2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(-$$

$$2\phi_1+2\phi_4+2\phi_5)+b^r_{2,0,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4\cos(2\phi_1)+$$

$$b^r_{2,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1)+b^r_{2,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4\cos(2\phi_1)+$$

$$b^r_{2,0,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4+2\phi_5)+$$

$$b^r_{2,0,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1)+b^r_{2,0,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1)+$$

$$b^r_{2,0,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1)+b^r_{2,0,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3-2\phi_4)+$$

$$b^r_{2,0,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3+2\phi_5)+$$

$$b^r_{2,0,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1)+b^r_{2,0,0,1,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1)+$$

$$b^r_{2,0,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1)+b^r_{2,0,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1)+$$

$$b^r_{2,0,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3+\phi_4-\phi_5)+$$

$$b^r_{2,0,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3-\phi_4-\phi_5)+$$

$$b^r_{2,0,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{2,0,2,0,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2-2\phi_5)+$$

$$b^r_{2,0,2,0,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_2+2\phi_4)+b^r_{2,0,2,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+$$

$$2\phi_2+2\phi_3)+b^r_{2,1,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\cos(2\phi_1)+b^r_{2,1,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\cos(2\phi_1)+$$

$$b^r_{2,1,0,0,0,1,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1)+b^r_{2,1,0,1,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1)+$$

$$b^r_{2,2,0,0,0,0,0,0,0,0,0}\rho_1^6\cos(2\phi_1)+b^r_{3,0,-1,0,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1-\phi_2)+$$

$$b^r_{3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1-\phi_2)+b^r_{3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1-\phi_2)+$$

$$b^r_{3,0,-1,1,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1-\phi_2)+b^r_{3,0,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1-\phi_3+\phi_4-$$

$$\phi_5)+b^r_{3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1+\phi_3-\phi_4-\phi_5)+$$

$$b^r_{3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1+\phi_2-2\phi_5)+b^r_{3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1+$$

$$\phi_2+2\phi_4)+b^r_{3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1+\phi_2+2\phi_3)+$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(3\phi_1-\phi_2)+b^r_{4,0,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1-2\phi_2)+$$

$$b^r_{4,0,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(4\phi_1-2\phi_5)+b^r_{4,0,0,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\cos(4\phi_1+2\phi_4)+$$

$$b^r_{4,0,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1+2\phi_3)$$

$$
\begin{aligned}
H^{(6)}_{XY}=&b^r_{-1,0,-1,0,-2,0,-2,0,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1+\phi_2+2\phi_3+2\phi_4)+\\
&b^r_{-1,0,-1,0,-2,0,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1+\phi_2+2\phi_3-2\phi_5)+\\
&b^r_{-1,0,-1,0,-4,0,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1+\phi_2+4\phi_3)+b^r_{-1,0,-1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\\
&\phi_2+2\phi_4-2\phi_5)+b^r_{-1,0,-1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1+\phi_2+4\phi_4)+\\
&b^r_{-1,0,-1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\sin(\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,-1,0,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\sin(\phi_1+\phi_2-\\
&4\phi_5)+b^r_{-1,0,-1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\phi_2+2\phi_5)+\\
&b^r_{-1,0,-1,0,0,0,2,0,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\phi_2-2\phi_4)+b^r_{-1,0,-1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1+\\
&\phi_2-2\phi_4)+b^r_{-1,0,-1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1+\phi_2+2\phi_5)+\\
&b^r_{-1,0,-1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1+\phi_2-2\phi_4)+\\
&b^r_{-1,0,-1,0,2,0,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1+\phi_2-2\phi_3)+\\
&b^r_{-1,0,-1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1+\phi_2-2\phi_3)+b^r_{-1,0,-1,0,2,1,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1+\\
&\phi_2-2\phi_3)+b^r_{-1,0,-1,1,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\sin(\phi_1+\phi_2+2\phi_5)+\\
&b^r_{-1,0,-1,1,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1+\phi_2-2\phi_4)+b^r_{-1,0,-1,1,2,0,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1+\\
&\phi_2-2\phi_3)+b^r_{-1,0,-2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)+\\
&b^r_{-1,0,-2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)-\\
&b^r_{-1,0,-2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)+\\
&b^r_{-1,0,-3,0,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\sin(\phi_1+3\phi_2)+b^r_{-1,0,-3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1+3\phi_2)+\\
&b^r_{-1,0,-3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1+3\phi_2)+b^r_{-1,0,-3,1,0,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1+3\phi_2)+\\
&b^r_{-1,0,0,0,-1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3+\phi_4-\phi_5)+\\
&b^r_{-1,0,0,0,-1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+\\
&b^r_{-1,0,0,0,-1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3+3\phi_4+\phi_5)+\\
&b^r_{-1,0,0,0,-1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3-\phi_4+3\phi_5)+\\
&b^r_{-1,0,0,0,-1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3-\phi_4-3\phi_5)+\\
&b^r_{-1,0,0,0,-1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3-3\phi_4+\phi_5)+\\
&b^r_{-1,0,0,0,-1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+\\
&b^r_{-1,0,0,0,-3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+3\phi_3+\phi_4+\phi_5)+\\
&b^r_{-1,0,0,0,-3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+3\phi_3-\phi_4-\phi_5)+
\end{aligned}
$$

$$b^r_{-1,0,0,0,1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1-\phi_3+\phi_4+3\phi_5)+$$

$$b^r_{-1,0,0,0,1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1-\phi_3+\phi_4-3\phi_5)+$$

$$b^r_{-1,0,0,0,1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1-\phi_3+3\phi_4-\phi_5)+$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$$

$$b^r_{-1,0,0,0,1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(-\phi_1+\phi_3+3\phi_4+\phi_5)+$$

$$b^r_{-1,0,0,0,1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$$

$$b^r_{-1,0,0,0,3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1-3\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(-\phi_1+3\phi_3+\phi_4+\phi_5)+$$

$$b^r_{-1,0,0,1,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$$

$$b^r_{-1,0,0,1,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$$

$$b^r_{-1,0,1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1-\phi_2+2\phi_3)+$$

$$b^r_{-1,0,1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1-\phi_2+2\phi_4)+$$

$$b^r_{-1,0,1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1-\phi_2+2\phi_4)+b^r_{-1,0,1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\sin(\phi_1-\phi_2+4\phi_5)-b^r_{-1,0,1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\sin(-\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+$$

$$b^r_{-1,0,1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1-\phi_2-2\phi_4+2\phi_5)-b^r_{-1,0,1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\sin(-\phi_1+\phi_2+4\phi_4)+b^r_{-1,0,1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1-\phi_2+2\phi_4)-$$

$$b^r_{-1,0,1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+$$

$$b^r_{-1,0,1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1-\phi_2-2\phi_3+2\phi_5)-$$

$$b^r_{-1,0,1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(-\phi_1+\phi_2+2\phi_3+2\phi_4)-$$

$$b^r_{-1,0,1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(-\phi_1+\phi_2+4\phi_3)+b^r_{-1,0,1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1-\phi_2+2\phi_4)-b^r_{-1,0,1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)+$$

$$b^r_{-1,0,3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\sin(\phi_1-3\phi_2)+b^r_{-1,0,3,0,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1-3\phi_2)+$$

$$b^r_{-1,0,3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1-3\phi_2)+b^r_{-1,0,3,1,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1-3\phi_2)+$$

$$b^r_{-1,1,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\sin(\phi_1+\phi_2+2\phi_5)+b^r_{-1,1,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(\phi_1+\phi_2-2\phi_4)+b^r_{-1,1,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(\phi_1+\phi_2-2\phi_3)+$$

$$b^r_{-1,1,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(\phi_1+3\phi_2)+b^r_{-1,1,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+b^r_{-1,1,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$$

$$b^r_{-1,1,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,1,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(\phi_1-\phi_2+2\phi_4)-b^r_{-1,1,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+$$

$$b^r_{-1,1,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(\phi_1-3\phi_2)+b^r_{-2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+b^r_{-2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{-2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1+2\phi_2)+b^r_{-2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1+2\phi_2)+b^r_{-2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1+2\phi_2)+b^r_{-2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_1+2\phi_2)+b^r_{-2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1+2\phi_3+2\phi_4)+$$

$$b^r_{-2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1+2\phi_3-2\phi_5)+b^r_{-2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_1+$$

$$4\phi_3) + b^r_{-2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1 + 2\phi_4 - 2\phi_5)+$$

$$b^r_{-2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\sin(2\phi_1 + 4\phi_4) + b^r_{-2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\sin(2\phi_1 + 2\phi_5)+$$

$$b^r_{-2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\sin(2\phi_1 - 4\phi_5) + b^r_{-2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1 + 2\phi_5)+$$

$$b^r_{-2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1 - 2\phi_4) + b^r_{-2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\sin(2\phi_1 - 2\phi_4)+$$

$$b^r_{-2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1 + 2\phi_5) + b^r_{-2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1-$$

$$2\phi_4) + b^r_{-2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1 - 2\phi_3)+$$

$$b^r_{-2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1 - 2\phi_3) + b^r_{-2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_1 - 2\phi_3)+$$

$$b^r_{-2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1 + 2\phi_5) + b^r_{-2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1-$$

$$2\phi_4) + b^r_{-2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1 - 2\phi_3)+$$

$$b^r_{-2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1 - \phi_2 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{-2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-2\phi_1 + \phi_2 + \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{-2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1 - 2\phi_2 + 2\phi_3)+$$

$$b^r_{-2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1 - 2\phi_2 + 2\phi_4) - b^r_{-2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\sin(-$$

$$2\phi_1 + 2\phi_2 + 2\phi_5) + b^r_{-2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_1 - 4\phi_2)+$$

$$b^r_{-2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(2\phi_1 + 2\phi_2) + b^r_{-2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\sin(2\phi_1 + 2\phi_5)+$$

$$b^r_{-2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\sin(2\phi_1 - 2\phi_4) + b^r_{-2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\sin(2\phi_1 - 2\phi_3)+$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\sin(3\phi_1 + \phi_2) + b^r_{-3,0,-1,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\sin(3\phi_1 + \phi_2)+$$

$$b^r_{-3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(3\phi_1 + \phi_2) + b^r_{-3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(3\phi_1 + \phi_2)+$$

$$b^r_{-3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1 + \phi_3 - \phi_4 + \phi_5)+$$

$$b^r_{-3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{-3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(-3\phi_1 + \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{-3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\sin(3\phi_1 - \phi_2 + 2\phi_5) - b^r_{-3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(-3\phi_1+$$

$$\phi_2 + 2\phi_4) - b^r_{-3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(-3\phi_1 + \phi_2 + 2\phi_3)+$$

$$b^r_{-3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(3\phi_1 + \phi_2) + b^r_{-4,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\sin(4\phi_1)+$$

$$b^r_{-4,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\sin(4\phi_1) + b^r_{-4,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\sin(4\phi_1)+$$

$$b^r_{-4,0,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(4\phi_1) + b^r_{-4,1,0,0,0,0,0,0,0,0}\rho_1^6\sin(4\phi_1)+$$

$$b^r_{-5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(5\phi_1 - \phi_2) + b^r_{0,0,-1,0,-1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 + \phi_4-$$

$$\phi_5) + b^r_{0,0,-1,0,-1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 + 3\phi_4 + \phi_5)+$$

$$b^r_{0,0,-1,0,-1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 - \phi_4 + 3\phi_5)+$$

$$b^r_{0,0,-1,0,-1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 - \phi_4 - 3\phi_5)+$$

$$b^r_{0,0,-1,0,-1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 - 3\phi_4 + \phi_5)+$$

$$b^r_{0,0,-1,0,-1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + 3\phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{0,0,-1,0,-3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + 3\phi_3 - \phi_4 - \phi_5)+$$

$$b^r_{0,0,-1,0,1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 - \phi_3 + \phi_4 + 3\phi_5)+$$

$$b^r_{0,0,-1,0,1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 - \phi_3 + \phi_4 - 3\phi_5)+$$

$$b^r_{0,0,-1,0,1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 - \phi_3 + 3\phi_4 - \phi_5)+$$

$$b^r_{0,0,-1,0,1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$$

$$b^r_{0,0,-1,0,1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 - \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(-\phi_2 + \phi_3 + 3\phi_4 + \phi_5)+$$

$$b^r_{0,0,-1,0,1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$$

$$b^r_{0,0,-1,0,3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2-3\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,-1,0,3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(-\phi_2+3\phi_3+\phi_4+\phi_5)+$$

$$b^r_{0,0,-1,1,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$b^r_{0,0,-1,1,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2-\phi_3-\phi_4+\phi_5)+$$

$$b^r_{0,0,-2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2+2\phi_3+2\phi_4)+$$

$$b^r_{0,0,-2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2+2\phi_3-2\phi_5)+b^r_{0,0,-2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_2+4\phi_3)+b^r_{0,0,-2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2+2\phi_4-2\phi_5)+$$

$$b^r_{0,0,-2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\sin(2\phi_2+4\phi_4)+b^r_{0,0,-2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\sin(2\phi_2+2\phi_5)+$$

$$b^r_{0,0,-2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\sin(2\phi_2-4\phi_5)+b^r_{0,0,-2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2+2\phi_5)+$$

$$b^r_{0,0,-2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2-2\phi_4)+b^r_{0,0,-2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\sin(2\phi_2-2\phi_4)+$$

$$b^r_{0,0,-2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2+2\phi_5)+b^r_{0,0,-2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2-2\phi_4)+b^r_{0,0,-2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2-2\phi_3)+$$

$$b^r_{0,0,-2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2-2\phi_3)+b^r_{0,0,-2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_2-2\phi_3)+$$

$$b^r_{0,0,-2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\sin(2\phi_2+2\phi_5)+b^r_{0,0,-2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\sin(2\phi_2-2\phi_4)+$$

$$b^r_{0,0,-2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\sin(2\phi_2-2\phi_3)+b^r_{0,0,-3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2+\phi_3-\phi_4+\phi_5)+b^r_{0,0,-3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{0,0,-3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(-3\phi_2+\phi_3+\phi_4+\phi_5)+$$

$$b^r_{0,0,-4,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\sin(4\phi_2)+b^r_{0,0,-4,0,0,0,0,1,0,0}\rho_2^4\rho_4^2\sin(4\phi_2)+$$

$$b^r_{0,0,-4,0,0,1,0,0,0,0}\rho_2^4\rho_3^2\sin(4\phi_2)+b^r_{0,0,-4,1,0,0,0,0,0,0}\rho_2^6\sin(4\phi_2)+$$

$$b^r_{0,0,0,0,-2,0,-2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3+2\phi_4+2\phi_5)+b^r_{0,0,0,0,-2,0,0,0,0,2}\rho_3^2\rho_5^4\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,-2,0,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3)+b^r_{0,0,0,0,-2,0,0,2,0,0}\rho_3^2\rho_4^4\sin(2\phi_3)-$$

$$b^r_{0,0,0,0,-2,0,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\sin(-2\phi_3+2\phi_4+2\phi_5)+b^r_{0,0,0,0,-2,1,0,0,0,1}\rho_3^4\rho_5^2\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,-2,1,0,1,0,0}\rho_3^4\rho_4^2\sin(2\phi_3)+b^r_{0,0,0,0,-2,2,0,0,0,0}\rho_3^6\sin(2\phi_3)+$$

$$b^r_{0,0,0,0,-4,0,0,0,-2,0}\rho_3^4\rho_5^2\sin(4\phi_3+2\phi_5)+b^r_{0,0,0,0,-4,0,2,0,0,0}\rho_3^4\rho_4^2\sin(4\phi_3-2\phi_4)+$$

$$b^r_{0,0,0,0,0,0,-2,0,0,2}\rho_4^2\rho_5^4\sin(2\phi_4)+b^r_{0,0,0,0,0,0,-2,1,0,1}\rho_4^4\rho_5^2\sin(2\phi_4)+$$

$$b^r_{0,0,0,0,0,0,-2,2,0,0}\rho_4^6\sin(2\phi_4)+b^r_{0,0,0,0,0,0,-4,0,-2,0}\rho_4^4\rho_5^2\sin(4\phi_4+2\phi_5)+$$

$$b^r_{0,0,0,0,0,0,0,0,-4,1}\rho_5^6\sin(4\phi_5)-b^r_{0,0,0,0,0,0,0,0,2,2}\rho_5^6\sin(2\phi_5)+$$

$$b^r_{0,0,0,0,0,0,0,1,-4,0}\rho_4^2\rho_5^4\sin(4\phi_5)-b^r_{0,0,0,0,0,0,0,1,2,1}\rho_4^2\rho_5^4\sin(2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,2,2,0}\rho_4^4\rho_5^2\sin(2\phi_5)-b^r_{0,0,0,0,0,0,0,2,0,-2,1}\rho_4^2\rho_5^4\sin(2\phi_4-2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,2,0,4,0}\rho_4^2\rho_5^4\sin(2\phi_4+4\phi_5)-b^r_{0,0,0,0,0,0,0,2,1,-2,0}\rho_4^4\rho_5^2\sin(2\phi_4-2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,4,0,0,1}\rho_4^4\rho_5^2\sin(4\phi_4)-b^r_{0,0,0,0,0,0,4,1,0,0}\rho_4^6\sin(4\phi_4)+$$

$$b^r_{0,0,0,0,0,1,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_4)+b^r_{0,0,0,0,0,1,-2,1,0,0}\rho_3^2\rho_4^4\sin(2\phi_4)+$$

$$b^r_{0,0,0,0,0,1,0,0,-4,0}\rho_3^2\rho_5^4\sin(4\phi_5)-b^r_{0,0,0,0,0,1,0,0,2,1}\rho_3^2\rho_5^4\sin(2\phi_5)-$$

$$b^r_{0,0,0,0,0,1,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_5)-b^r_{0,0,0,0,0,1,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_4-2\phi_5)-$$

$$b^r_{0,0,0,0,0,1,4,0,0,0}\rho_3^2\rho_4^4\sin(4\phi_4)+b^r_{0,0,0,0,0,2,-2,0,0,0}\rho_3^4\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,0,0,2,0,0,2,0}\rho_3^4\rho_5^2\sin(2\phi_5)-b^r_{0,0,0,0,0,2,0,-2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3-2\phi_4+2\phi_5)-$$

$$b^r_{0,0,0,0,0,2,0,-4,0,0,0}\rho_3^2\rho_4^4\sin(2\phi_3-4\phi_4)-b^r_{0,0,0,0,0,2,0,0,0,0,-2,1}\rho_3^2\rho_5^4\sin(2\phi_3-2\phi_5)-$$

$$b^r_{0,0,0,0,0,2,0,0,0,0,4,0}\rho_3^2\rho_5^4\sin(2\phi_3+4\phi_5)-b^r_{0,0,0,0,0,2,0,0,1,-2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3-2\phi_5)-$$

$$b^r_{0,0,0,0,0,2,0,2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3+2\phi_4)-b^r_{0,0,0,0,0,2,0,2,1,0,0}\rho_3^2\rho_4^4\sin(2\phi_3+2\phi_4)-$$

$$b^r_{0,0,0,0,0,2,1,0,0,-2,0}\rho_3^4\rho_5^2\sin(2\phi_3-2\phi_5)-b^r_{0,0,0,0,0,2,1,2,0,0,0}\rho_3^4\rho_4^2\sin(2\phi_3+2\phi_4)-$$

$$b^r_{0,0,0,0,0,4,0,0,0,0,1}\rho_3^4\rho_5^2\sin(4\phi_3)-b^r_{0,0,0,0,0,4,0,0,1,0,0}\rho_3^4\rho_4^2\sin(4\phi_3)-$$

$$b^r_{0,0,0,0,0,4,1,0,0,0,0}\rho_3^6\sin(4\phi_3)+b^r_{0,0,0,1,-2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_3)+$$

$$b^r_{0,0,0,1,-2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_3) + b^r_{0,0,0,1,-2,1,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_3)+$$

$$b^r_{0,0,0,1,0,0,-2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_4) + b^r_{0,0,0,1,0,0,-2,1,0,0}\rho_2^2\rho_4^4\sin(2\phi_4)+$$

$$b^r_{0,0,0,1,0,0,0,0,-4,0}\rho_2^2\rho_5^4\sin(4\phi_5) - b^r_{0,0,0,1,0,0,0,0,0,2,1}\rho_2^2\rho_5^4\sin(2\phi_5)-$$

$$b^r_{0,0,0,1,0,0,0,1,2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,1,0,0,2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_4 - 2\phi_5)-$$

$$b^r_{0,0,0,1,0,0,4,0,0,0}\rho_2^2\rho_4^4\sin(4\phi_4) + b^r_{0,0,0,1,0,1,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,1,0,1,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,1,2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_3 - 2\phi_5)-$$

$$b^r_{0,0,0,1,2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_3 + 2\phi_4) - b^r_{0,0,0,1,4,0,0,0,0,0}\rho_2^2\rho_3^4\sin(4\phi_3)+$$

$$b^r_{0,0,0,2,-2,0,0,0,0,0}\rho_2^4\rho_3^2\sin(2\phi_3) + b^r_{0,0,0,2,0,0,-2,0,0,0}\rho_2^4\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,0,0,2,0,0,0,0,-2,0}\rho_2^4\rho_5^2\sin(2\phi_5) + b^r_{0,0,1,0,-1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(-\phi_2 + \phi_3 + \phi_4+$$

$$\phi_5) + b^r_{0,0,1,0,-1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,-1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,-1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,-1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,-3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 - 3\phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{0,0,1,0,1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 - 3\phi_4 - \phi_5)-$$

$$b^r_{0,0,1,0,1,0,1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 + \phi_4 - 3\phi_5)-$$

$$b^r_{0,0,1,0,1,0,1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 + \phi_4 + 3\phi_5)-$$

$$b^r_{0,0,1,0,1,0,1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 + 3\phi_4 - \phi_5)-$$

$$b^r_{0,0,1,0,1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,0,3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + 3\phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{0,0,1,1,-1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,1,-1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,1,1,1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5) + b^r_{0,0,2,0,-2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\sin(-$$

$$2\phi_2 + 2\phi_3 + 2\phi_5) - b^r_{0,0,2,0,-2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2 - 2\phi_3 + 2\phi_4)+$$

$$b^r_{0,0,2,0,0,0,-2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\sin(-2\phi_2 + 2\phi_4 + 2\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,2}\rho_2^2\rho_5^4\sin(2\phi_2)-$$

$$b^r_{0,0,2,0,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2) - b^r_{0,0,2,0,0,0,0,0,2,0,0}\rho_2^2\rho_4^4\sin(2\phi_2)-$$

$$b^r_{0,0,2,0,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2 + 2\phi_4 + 2\phi_5)-$$

$$b^r_{0,0,2,0,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2) - b^r_{0,0,2,0,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,0,0,2,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_2) - b^r_{0,0,2,0,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2 + 2\phi_3 - 2\phi_4)-$$

$$b^r_{0,0,2,0,2,0,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2 + 2\phi_3 + 2\phi_5) - b^r_{0,0,2,1,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,1,0,0,0,1,0,0}\rho_2^4\rho_4^2\sin(2\phi_2) - b^r_{0,0,2,1,0,1,0,0,0,0}\rho_2^4\rho_3^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,2,0,0,0,0,0,0}\rho_2^6\sin(2\phi_2) - b^r_{0,0,3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{0,0,3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{0,0,3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2 + \phi_3 + \phi_4 + \phi_5) - b^r_{0,0,4,0,0,0,0,0,0,-2,0}\rho_2^4\rho_5^2\sin(4\phi_2 -$$

$$2\phi_5) - b^r_{0,0,4,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\sin(4\phi_2 + 2\phi_4) - b^r_{0,0,4,0,2,0,0,0,0,0}\rho_2^4\rho_3^2\sin(4\phi_2 + 2\phi_3)+$$

$$b^r_{0,1,-1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{0,1,-1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$$

$$b^r_{0,1,-2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_2 + 2\phi_5) + b^r_{0,1,-2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_2 -$$

$$2\phi_4) + b^r_{0,1,-2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_2 - 2\phi_3) + b^r_{0,1,-4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(4\phi_2)+$$

$$b^r_{0,1,0,0,-2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_3) + b^r_{0,1,0,0,-2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_3)+$$

$$b^r_{0,1,0,0,-2,1,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_3) + b^r_{0,1,0,0,0,0,-2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_4)+$$

$$b^r_{0,1,0,0,0,0,-2,1,0,0}\rho_1^2\rho_4^4\sin(2\phi_4) + b^r_{0,1,0,0,0,0,0,0,-4,0}\rho_1^2\rho_5^4\sin(4\phi_5)-$$

$$b^r_{0,1,0,0,0,0,0,0,2,1}\rho_1^2\rho_5^4\sin(2\phi_5) - b^r_{0,1,0,0,0,0,0,1,2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_5)-$$

$$b^r_{0,1,0,0,0,0,2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_4 - 2\phi_5) - b^r_{0,1,0,0,0,0,4,0,0,0}\rho_1^2\rho_4^4\sin(4\phi_4)+$$

$$b^r_{0,1,0,0,0,1,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_4) - b^r_{0,1,0,0,0,1,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_5)-$$

$$b^r_{0,1,0,0,2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_3 - 2\phi_5) - b^r_{0,1,0,0,2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_3+$$

$$2\phi_4) - b^r_{0,1,0,0,4,0,0,0,0,0}\rho_1^2\rho_3^4\sin(4\phi_3) + b^r_{0,1,0,1,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_3)+$$

$$b^r_{0,1,0,1,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_4) - b^r_{0,1,0,1,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_5)+$$

$$b^r_{0,1,1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,1,1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,1,1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,1,2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_2) - b^r_{0,1,2,0,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_2)-$$

$$b^r_{0,1,2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_2) - b^r_{0,1,2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_2)+$$

$$b^r_{0,2,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\sin(2\phi_3) + b^r_{0,2,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,2,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\sin(2\phi_5) - b^r_{0,2,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(2\phi_2)+$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(-\phi_1 + \phi_2 + 2\phi_3)+$$

$$b^r_{1,0,-1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(-\phi_1 + \phi_2 + 2\phi_3) + b^r_{1,0,-1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(-$$

$$\phi_1 + \phi_2 + 2\phi_3) + b^r_{1,0,-1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(-\phi_1 + \phi_2 + 2\phi_4)+$$

$$b^r_{1,0,-1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\sin(-\phi_1 + \phi_2 + 2\phi_4) + b^r_{1,0,-1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\sin(-\phi_1 + \phi_2+$$

$$4\phi_5) - b^r_{1,0,-1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\sin(\phi_1 - \phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_4 - 2\phi_5)-$$

$$b^r_{1,0,-1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1 - \phi_2 + 4\phi_4) + b^r_{1,0,-1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(-\phi_1+$$

$$\phi_2 + 2\phi_4) - b^r_{1,0,-1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_3 - 2\phi_5)-$$

$$b^r_{1,0,-1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 - \phi_2 + 2\phi_3 + 2\phi_4)-$$

$$b^r_{1,0,-1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1 - \phi_2 + 4\phi_3) + b^r_{1,0,-1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(-\phi_1 + \phi_2+$$

$$2\phi_3) + b^r_{1,0,-1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(-\phi_1 + \phi_2 + 2\phi_4)-$$

$$b^r_{1,0,-1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5) + b^r_{1,0,-2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-$$

$$\phi_1 + 2\phi_2 + \phi_3 + \phi_4 - \phi_5) - b^r_{1,0,-2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 - 2\phi_2 + \phi_3 + \phi_4-$$

$$\phi_5) + b^r_{1,0,-3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\sin(-\phi_1 + 3\phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1 - 3\phi_2 + 2\phi_4) - b^r_{1,0,-3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1-$$

$$3\phi_2 + 2\phi_3) - b^r_{1,0,-5,0,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1 - 5\phi_2) + b^r_{1,0,0,0,-1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(-$$

$$\phi_1 + \phi_3 + \phi_4 + \phi_5) + b^r_{1,0,0,0,-1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{1,0,0,0,-1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1 - 3\phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3-3\phi_4-\phi_5)-$$

$$b^r_{1,0,0,0,1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3+\phi_4-3\phi_5)-$$

$$b^r_{1,0,0,0,1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3+\phi_4+3\phi_5)-$$

$$b^r_{1,0,0,0,1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3+3\phi_4-\phi_5)-$$

$$b^r_{1,0,0,0,1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+\phi_3-\phi_4+\phi_5)-$$

$$b^r_{1,0,0,0,3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+3\phi_3+\phi_4-\phi_5)+$$

$$b^r_{1,0,0,1,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,1,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,0,1,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3-\phi_4+\phi_5)-$$

$$b^r_{1,0,1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1+\phi_2-2\phi_3-2\phi_5)-$$

$$b^r_{1,0,1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1+\phi_2-2\phi_3+2\phi_4)-$$

$$b^r_{1,0,1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\phi_2-2\phi_4-2\phi_5)-$$

$$b^r_{1,0,1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\sin(\phi_1+\phi_2)-b^r_{1,0,1,0,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\phi_2)-$$

$$b^r_{1,0,1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1+\phi_2)-b^r_{1,0,1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\phi_2+$$

$$2\phi_4+2\phi_5)-b^r_{1,0,1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1+\phi_2)-$$

$$b^r_{1,0,1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1+\phi_2)-b^r_{1,0,1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1+\phi_2)-$$

$$b^r_{1,0,1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1+\phi_2+2\phi_3-2\phi_4)-$$

$$b^r_{1,0,1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1+\phi_2+2\phi_3+2\phi_5)-$$

$$b^r_{1,0,1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\sin(\phi_1+\phi_2)-b^r_{1,0,1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1+\phi_2)-$$

$$b^r_{1,0,1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1+\phi_2)-b^r_{1,0,1,2,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1+\phi_2)-$$

$$b^r_{1,0,2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+2\phi_2-\phi_3+\phi_4-\phi_5)-$$

$$b^r_{1,0,2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+2\phi_2+\phi_3-\phi_4-\phi_5)-$$

$$b^r_{1,0,2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,0,3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\sin(\phi_1+3\phi_2-2\phi_5)-b^r_{1,0,3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1+$$

$$3\phi_2+2\phi_4)-b^r_{1,0,3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1+3\phi_2+2\phi_3)+$$

$$b^r_{1,1,-1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(-\phi_1+\phi_2+2\phi_3)+b^r_{1,1,-1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(-\phi_1+$$

$$\phi_2+2\phi_4)-b^r_{1,1,-1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\sin(\phi_1-\phi_2+2\phi_5)+$$

$$b^r_{1,1,0,0,-1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(-\phi_1+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,1,0,0,-1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{1,1,0,0,1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3-\phi_4+\phi_5)-$$

$$b^r_{1,1,1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\sin(\phi_1+\phi_2)-b^r_{1,1,1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\sin(\phi_1+\phi_2)-$$

$$b^r_{1,1,1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(\phi_1+\phi_2)-b^r_{1,1,1,1,0,0,0,0,0,0}\rho_1^3\rho_3^2\sin(\phi_1+\phi_2)-$$

$$b^r_{1,2,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(\phi_1+\phi_2)+b^r_{2,0,-1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-2\phi_1+\phi_2+$$

$$\phi_3+\phi_4+\phi_5)-b^r_{2,0,-1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1-\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{2,0,-1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1-\phi_2+\phi_3-\phi_4+\phi_5)+$$

$$b^r_{2,0,-2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(-2\phi_1+2\phi_2+2\phi_3)+b^r_{2,0,-2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(-$$

$$2\phi_1+2\phi_2+2\phi_4)-b^r_{2,0,-2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1-2\phi_2+2\phi_5)+$$

$$b^r_{2,0,0,0,-2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\sin(-2\phi_1+2\phi_3+2\phi_5)-$$

$$b^r_{2,0,0,0,-2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1-2\phi_3+2\phi_4)+b^r_{2,0,0,0,0,0,-2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\sin(-$$

$$2\phi_1+2\phi_4+2\phi_5)-b^r_{2,0,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4\sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1)-b^r_{2,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4\sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1+2\phi_4+2\phi_5)-$$

$$b^r_{2,0,0,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1) - b^r_{2,0,0,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,2,0,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_1) - b^r_{2,0,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1 + 2\phi_3 - 2\phi_4)-$$

$$b^r_{2,0,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1 + 2\phi_3 + 2\phi_5)-$$

$$b^r_{2,0,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1) - b^r_{2,0,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1)-$$

$$b^r_{2,0,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1) - b^r_{2,0,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_1)-$$

$$b^r_{2,0,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_2 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_2 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1 + \phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{2,0,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1 + 2\phi_2 - 2\phi_5)-$$

$$b^r_{2,0,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1 + 2\phi_2 + 2\phi_4)-$$

$$b^r_{2,0,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1 + 2\phi_2 + 2\phi_3) - b^r_{2,1,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\sin(2\phi_1)-$$

$$b^r_{2,1,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\sin(2\phi_1) - b^r_{2,1,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\sin(2\phi_1)-$$

$$b^r_{2,1,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(2\phi_1) - b^r_{2,2,0,0,0,0,0,0,0,0}\rho_1^6\sin(2\phi_1)-$$

$$b^r_{3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\sin(3\phi_1 - \phi_2) - b^r_{3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\sin(3\phi_1 - \phi_2)-$$

$$b^r_{3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(3\phi_1 - \phi_2) - b^r_{3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(3\phi_1 - \phi_2)-$$

$$b^r_{3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\sin(3\phi_1 + \phi_2 - 2\phi_5) - b^r_{3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(3\phi_1 + \phi_2 + 2\phi_4) - b^r_{3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(3\phi_1 + \phi_2 + 2\phi_3)-$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(3\phi_1 - \phi_2) - b^r_{4,0,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(4\phi_1 - 2\phi_2)-$$

$$b^r_{4,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\sin(4\phi_1 - 2\phi_5) - b^r_{4,0,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\sin(4\phi_1 + 2\phi_4)-$$

$$b^r_{4,0,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\sin(4\phi_1 + 2\phi_3)$$

$$
\begin{aligned}
H^{(6)}_{YX} =& b^r_{-1,0,-1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 + \phi_2 + 2\phi_3 + 2\phi_4)+\\
& b^r_{-1,0,-1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 + \phi_2 + 2\phi_3 - 2\phi_5)+\\
& b^r_{-1,0,-1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1 + \phi_2 + 4\phi_3) + b^r_{-1,0,-1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1+\\
& \phi_2 + 2\phi_4 - 2\phi_5) + b^r_{-1,0,-1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1 + \phi_2 + 4\phi_4)+\\
& b^r_{-1,0,-1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\sin(\phi_1 + \phi_2 + 2\phi_5) + b^r_{-1,0,-1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\sin(\phi_1 + \phi_2-\\
& 4\phi_5) + b^r_{-1,0,-1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 + \phi_2 + 2\phi_5)+\\
& b^r_{-1,0,-1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 + \phi_2 - 2\phi_4) + b^r_{-1,0,-1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1+\\
& \phi_2 - 2\phi_4) + b^r_{-1,0,-1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 + \phi_2 + 2\phi_5)+\\
& b^r_{-1,0,-1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 + \phi_2 - 2\phi_4)+\\
& b^r_{-1,0,-1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 + \phi_2 - 2\phi_3)+\\
& b^r_{-1,0,-1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 + \phi_2 - 2\phi_3) + b^r_{-1,0,-1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1+\\
& \phi_2 - 2\phi_3) + b^r_{-1,0,-1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\sin(\phi_1 + \phi_2 + 2\phi_5)+\\
& b^r_{-1,0,-1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1 + \phi_2 - 2\phi_4) + b^r_{-1,0,-1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1+\\
& \phi_2 - 2\phi_3) + b^r_{-1,0,-2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 + 2\phi_2 + \phi_3 - \phi_4 + \phi_5)+\\
& b^r_{-1,0,-2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 + 2\phi_2 - \phi_3 + \phi_4 + \phi_5)-\\
& b^r_{-1,0,-2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1 - 2\phi_2 + \phi_3 + \phi_4 + \phi_5)+\\
& b^r_{-1,0,-3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\sin(\phi_1 + 3\phi_2) + b^r_{-1,0,-3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1 + 3\phi_2)+\\
& b^r_{-1,0,-3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1 + 3\phi_2) + b^r_{-1,0,-3,1,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1 + 3\phi_2)+
\end{aligned}
$$

$b^r_{-1,0,0,0,-1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,0,0,-1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,0,0,-1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3+3\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,-1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3-\phi_4+3\phi_5)+$

$b^r_{-1,0,0,0,-1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1+\phi_3-\phi_4-3\phi_5)+$

$b^r_{-1,0,0,0,-1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1+\phi_3-3\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,-1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+3\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,-3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1+3\phi_3-\phi_4-\phi_5)+$

$b^r_{-1,0,0,0,1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1-\phi_3+\phi_4+3\phi_5)+$

$b^r_{-1,0,0,0,1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1-\phi_3+\phi_4-3\phi_5)+$

$b^r_{-1,0,0,0,1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1-\phi_3+3\phi_4-\phi_5)+$

$b^r_{-1,0,0,0,1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)-$

$b^r_{-1,0,0,0,1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(-\phi_1+\phi_3+3\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,0,0,3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1-3\phi_3+\phi_4+\phi_5)-$

$b^r_{-1,0,0,0,3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(-\phi_1+3\phi_3+\phi_4+\phi_5)+$

$b^r_{-1,0,0,1,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+$

$b^r_{-1,0,0,1,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1-\phi_2+2\phi_3)+$

$b^r_{-1,0,1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1-\phi_2+2\phi_4)+$

$b^r_{-1,0,1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1-\phi_2+2\phi_4)+b^r_{-1,0,1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\sin(\phi_1-\phi_2+4\phi_5)-b^r_{-1,0,1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\sin(-\phi_1+\phi_2+2\phi_5)-$

$b^r_{-1,0,1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+$

$b^r_{-1,0,1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1-\phi_2-2\phi_4+2\phi_5)-b^r_{-1,0,1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\sin(-\phi_1+\phi_2+4\phi_4)+b^r_{-1,0,1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1-\phi_2+2\phi_4)-$

$b^r_{-1,0,1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+$

$b^r_{-1,0,1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1-\phi_2-2\phi_3+2\phi_5)-$

$b^r_{-1,0,1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(-\phi_1+\phi_2+2\phi_3+2\phi_4)-$

$b^r_{-1,0,1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(-\phi_1+\phi_2+4\phi_3)+b^r_{-1,0,1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,0,1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1-\phi_2+2\phi_4)-b^r_{-1,0,1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+b^r_{-1,0,2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)-$

$b^r_{-1,0,2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)-$

$b^r_{-1,0,2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)+$

$b^r_{-1,0,3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\sin(\phi_1-3\phi_2)+b^r_{-1,0,3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1-3\phi_2)+$

$b^r_{-1,0,3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1-3\phi_2)+b^r_{-1,0,3,1,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1-3\phi_2)+$

$b^r_{-1,1,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\sin(\phi_1+\phi_2+2\phi_5)+b^r_{-1,1,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(\phi_1+\phi_2-2\phi_4)+b^r_{-1,1,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(\phi_1+\phi_2-2\phi_3)+$

$b^r_{-1,1,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(\phi_1+3\phi_2)+b^r_{-1,1,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1+\phi_3+\phi_4-\phi_5)+b^r_{-1,1,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1-\phi_3-\phi_4+\phi_5)+$

$$b^r_{-1,1,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(\phi_1-\phi_2+2\phi_3)+b^r_{-1,1,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(\phi_1-$$
$$\phi_2+2\phi_4)-b^r_{-1,1,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\sin(-\phi_1+\phi_2+2\phi_5)+$$
$$b^r_{-1,1,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(\phi_1-3\phi_2)+b^r_{-2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1+\phi_2+$$
$$\phi_3-\phi_4+\phi_5)+b^r_{-2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)-$$
$$b^r_{-2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$b^r_{-2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1+2\phi_2)+b^r_{-2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1+$$
$$2\phi_2)+b^r_{-2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1+2\phi_2)+b^r_{-2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_1+$$
$$2\phi_2)+b^r_{-2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1+2\phi_3+2\phi_4)+$$
$$b^r_{-2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1+2\phi_3-2\phi_5)+b^r_{-2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_1+$$
$$4\phi_3)+b^r_{-2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1+2\phi_4-2\phi_5)+$$
$$b^r_{-2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\sin(2\phi_1+4\phi_4)+b^r_{-2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\sin(2\phi_1+2\phi_5)+$$
$$b^r_{-2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\sin(2\phi_1-4\phi_5)+b^r_{-2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1+2\phi_5)+$$
$$b^r_{-2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_1-2\phi_4)+b^r_{-2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\sin(2\phi_1-2\phi_4)+$$
$$b^r_{-2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1+2\phi_5)+b^r_{-2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1-$$
$$2\phi_4)+b^r_{-2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_1-2\phi_3)+$$
$$b^r_{-2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_1-2\phi_3)+b^r_{-2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_1-2\phi_3)+$$
$$b^r_{-2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_1+2\phi_5)+b^r_{-2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1-$$
$$2\phi_4)+b^r_{-2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1-2\phi_3)+$$
$$b^r_{-2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(2\phi_1-\phi_2+\phi_3+\phi_4-\phi_5)-$$
$$b^r_{-2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$$
$$b^r_{-2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_1-2\phi_2+2\phi_3)+$$
$$b^r_{-2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_1-2\phi_2+2\phi_4)-b^r_{-2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\sin(-$$
$$2\phi_1+2\phi_2+2\phi_5)+b^r_{-2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_1-4\phi_2)+$$
$$b^r_{-2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(2\phi_1+2\phi_2)+b^r_{-2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\sin(2\phi_1+2\phi_5)+$$
$$b^r_{-2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\sin(2\phi_1-2\phi_4)+b^r_{-2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\sin(2\phi_1-2\phi_3)+$$
$$b^r_{-3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\sin(3\phi_1+\phi_2)+b^r_{-3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\sin(3\phi_1+\phi_2)+$$
$$b^r_{-3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(3\phi_1+\phi_2)+b^r_{-3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(3\phi_1+\phi_2)+$$
$$b^r_{-3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1+\phi_3-\phi_4+\phi_5)+$$
$$b^r_{-3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(3\phi_1-\phi_3+\phi_4+\phi_5)-$$
$$b^r_{-3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(-3\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$b^r_{-3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\sin(3\phi_1-\phi_2+2\phi_5)-b^r_{-3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(-3\phi_1+$$
$$\phi_2+2\phi_4)-b^r_{-3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(-3\phi_1+\phi_2+2\phi_3)+$$
$$b^r_{-3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(3\phi_1+\phi_2)+b^r_{-4,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\sin(4\phi_1)+$$
$$b^r_{-4,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\sin(4\phi_1)+b^r_{-4,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\sin(4\phi_1)+$$
$$b^r_{-4,0,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(4\phi_1)+b^r_{-4,1,0,0,0,0,0,0,0,0}\rho_1^6\sin(4\phi_1)+$$
$$b^r_{-5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(5\phi_1-\phi_2)+b^r_{0,0,-1,0,-1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2+\phi_3+\phi_4-$$
$$\phi_5)+b^r_{0,0,-1,0,-1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2+\phi_3+\phi_4-\phi_5)+$$
$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2+\phi_3+3\phi_4+\phi_5)+$$
$$b^r_{0,0,-1,0,-1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2+\phi_3-\phi_4+3\phi_5)+$$
$$b^r_{0,0,-1,0,-1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2+\phi_3-\phi_4-3\phi_5)+$$
$$b^r_{0,0,-1,0,-1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2+\phi_3-3\phi_4+\phi_5)+$$
$$b^r_{0,0,-1,0,-1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2+\phi_3+\phi_4-\phi_5)+$$

$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2+3\phi_3+\phi_4+\phi_5)+$

$b^r_{0,0,-1,0,-3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2+3\phi_3-\phi_4-\phi_5)+$

$b^r_{0,0,-1,0,1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2-\phi_3+\phi_4+3\phi_5)+$

$b^r_{0,0,-1,0,1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2-\phi_3+\phi_4-3\phi_5)+$

$b^r_{0,0,-1,0,1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2-\phi_3+3\phi_4-\phi_5)+$

$b^r_{0,0,-1,0,1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2-\phi_3-\phi_4+\phi_5)+$

$b^r_{0,0,-1,0,1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2-\phi_3-\phi_4+\phi_5)-$

$b^r_{0,0,-1,0,1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(-\phi_2+\phi_3+3\phi_4+\phi_5)+$

$b^r_{0,0,-1,0,1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2-\phi_3-\phi_4+\phi_5)+$

$b^r_{0,0,-1,0,3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2-3\phi_3+\phi_4+\phi_5)-$

$b^r_{0,0,-1,0,3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(-\phi_2+3\phi_3+\phi_4+\phi_5)+$

$b^r_{0,0,-1,1,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2+\phi_3+\phi_4-\phi_5)+$

$b^r_{0,0,-1,1,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2-\phi_3-\phi_4+\phi_5)+$

$b^r_{0,0,-2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2+2\phi_3+2\phi_4)+$

$b^r_{0,0,-2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2+2\phi_3-2\phi_5)+b^r_{0,0,-2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_2+4\phi_3)+b^r_{0,0,-2,0,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2+2\phi_4-2\phi_5)+$

$b^r_{0,0,-2,0,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\sin(2\phi_2+4\phi_4)+b^r_{0,0,-2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\sin(2\phi_2+2\phi_5)+$

$b^r_{0,0,-2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\sin(2\phi_2-4\phi_5)+b^r_{0,0,-2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2+2\phi_5)+$

$b^r_{0,0,-2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2-2\phi_4)+b^r_{0,0,-2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\sin(2\phi_2-2\phi_4)+$

$b^r_{0,0,-2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2+2\phi_5)+b^r_{0,0,-2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2-2\phi_4)+b^r_{0,0,-2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2-2\phi_3)+$

$b^r_{0,0,-2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2-2\phi_3)+b^r_{0,0,-2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_2-2\phi_3)+$

$b^r_{0,0,-2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\sin(2\phi_2+2\phi_5)+b^r_{0,0,-2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\sin(2\phi_2-2\phi_4)+$

$b^r_{0,0,-2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\sin(2\phi_2-2\phi_3)+b^r_{0,0,-3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2+\phi_3-\phi_4+\phi_5)+b^r_{0,0,-3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2-\phi_3+\phi_4+\phi_5)-$

$b^r_{0,0,-3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(-3\phi_2+\phi_3+\phi_4+\phi_5)+$

$b^r_{0,0,-4,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\sin(4\phi_2)+b^r_{0,0,-4,0,0,0,0,1,0,0}\rho_2^4\rho_4^2\sin(4\phi_2)+$

$b^r_{0,0,-4,0,0,1,0,0,0,0}\rho_2^4\rho_3^2\sin(4\phi_2)+b^r_{0,0,-4,1,0,0,0,0,0,0}\rho_2^6\sin(4\phi_2)+$

$b^r_{0,0,0,0,-2,0,-2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3+2\phi_4+2\phi_5)+b^r_{0,0,0,0,-2,0,0,0,0,2}\rho_3^2\rho_5^4\sin(2\phi_3)+$

$b^r_{0,0,0,0,-2,0,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3)+b^r_{0,0,0,0,-2,0,0,2,0,0}\rho_3^2\rho_4^4\sin(2\phi_3)-$

$b^r_{0,0,0,0,-2,0,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\sin(-2\phi_3+2\phi_4+2\phi_5)+b^r_{0,0,0,0,-2,1,0,0,0,1}\rho_3^4\rho_5^2\sin(2\phi_3)+$

$b^r_{0,0,0,0,-2,1,0,1,0,0}\rho_3^4\rho_4^2\sin(2\phi_3)+b^r_{0,0,0,0,-2,2,0,0,0,0}\rho_3^6\sin(2\phi_3)+$

$b^r_{0,0,0,0,-4,0,0,0,-2,0}\rho_3^4\rho_5^2\sin(4\phi_3+2\phi_5)+b^r_{0,0,0,0,-4,0,2,0,0,0}\rho_3^4\rho_4^2\sin(4\phi_3-2\phi_4)+$

$b^r_{0,0,0,0,0,0,-2,0,0,2}\rho_4^2\rho_5^4\sin(2\phi_4)+b^r_{0,0,0,0,0,0,-2,1,0,1}\rho_4^4\rho_5^2\sin(2\phi_4)+$

$b^r_{0,0,0,0,0,0,-2,2,0,0}\rho_4^6\sin(2\phi_4)+b^r_{0,0,0,0,0,0,-4,0,-2,0}\rho_4^4\rho_5^2\sin(4\phi_4+2\phi_5)+$

$b^r_{0,0,0,0,0,0,0,0,-4,1}\rho_5^6\sin(4\phi_5)-b^r_{0,0,0,0,0,0,0,0,2,2}\rho_5^6\sin(2\phi_5)+$

$b^r_{0,0,0,0,0,0,0,1,-4,0}\rho_4^2\rho_5^4\sin(4\phi_5)-b^r_{0,0,0,0,0,0,0,1,2,1}\rho_4^2\rho_5^4\sin(2\phi_5)-$

$b^r_{0,0,0,0,0,0,0,2,2,0}\rho_4^4\rho_5^2\sin(2\phi_5)-b^r_{0,0,0,0,0,0,2,0,-2,1}\rho_4^2\rho_5^4\sin(2\phi_4-2\phi_5)-$

$b^r_{0,0,0,0,0,0,2,0,4,0}\rho_4^2\rho_5^4\sin(2\phi_4+4\phi_5)-b^r_{0,0,0,0,0,0,2,1,-2,0}\rho_4^4\rho_5^2\sin(2\phi_4-2\phi_5)-$

$b^r_{0,0,0,0,0,0,4,0,0,1}\rho_4^4\rho_5^2\sin(4\phi_4)-b^r_{0,0,0,0,0,0,4,1,0,0}\rho_4^6\sin(4\phi_4)+$

$b^r_{0,0,0,0,0,1,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_4)+b^r_{0,0,0,0,0,1,-2,1,0,0}\rho_3^2\rho_4^4\sin(2\phi_4)+$

$b^r_{0,0,0,0,0,1,0,0,-4,0}\rho_3^2\rho_5^4\sin(4\phi_5)-b^r_{0,0,0,0,0,1,0,0,2,1}\rho_3^2\rho_5^4\sin(2\phi_5)-$

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$$b^r_{0,0,0,0,0,1,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,0,0,1,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_4 - 2\phi_5) -$$

$$b^r_{0,0,0,0,0,1,4,0,0,0}\rho_3^2\rho_4^4\sin(4\phi_4) + b^r_{0,0,0,0,0,2,-2,0,0,0}\rho_3^4\rho_4^2\sin(2\phi_4) -$$

$$b^r_{0,0,0,0,0,2,0,0,2,0}\rho_3^4\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,0,2,0,-2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3 - 2\phi_4 + 2\phi_5) -$$

$$b^r_{0,0,0,0,2,0,-4,0,0,0}\rho_3^2\rho_4^4\sin(2\phi_3 - 4\phi_4) - b^r_{0,0,0,0,2,0,0,0,-2,1}\rho_3^2\rho_5^2\sin(2\phi_3 - 2\phi_5) -$$

$$b^r_{0,0,0,0,2,0,0,0,4,0}\rho_3^2\rho_5^4\sin(2\phi_3 + 4\phi_5) - b^r_{0,0,0,0,2,0,0,1,-2,0}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3 - 2\phi_5) -$$

$$b^r_{0,0,0,0,2,0,2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\sin(2\phi_3 + 2\phi_4) - b^r_{0,0,0,0,2,0,2,1,0,0}\rho_3^2\rho_4^4\sin(2\phi_3 + 2\phi_4) -$$

$$b^r_{0,0,0,0,2,1,0,0,-2,0}\rho_3^4\rho_5^2\sin(2\phi_3 - 2\phi_5) - b^r_{0,0,0,0,2,1,2,0,0,0}\rho_3^4\rho_4^2\sin(2\phi_3 + 2\phi_4) -$$

$$b^r_{0,0,0,0,4,0,0,0,0,1}\rho_3^4\rho_5^2\sin(4\phi_3) - b^r_{0,0,0,0,4,0,0,1,0,0}\rho_3^4\rho_4^2\sin(4\phi_3) -$$

$$b^r_{0,0,0,0,4,1,0,0,0,0}\rho_3^6\sin(4\phi_3) + b^r_{0,0,0,1,-2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_3) +$$

$$b^r_{0,0,0,1,-2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_3) + b^r_{0,0,0,1,-2,1,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_3) +$$

$$b^r_{0,0,0,1,0,0,-2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_4) + b^r_{0,0,0,1,0,0,-2,1,0,0}\rho_2^2\rho_4^4\sin(2\phi_4) +$$

$$b^r_{0,0,0,1,0,0,0,0,-4,0}\rho_2^2\rho_5^4\sin(4\phi_5) - b^r_{0,0,0,1,0,0,0,0,0,2,1}\rho_2^2\rho_5^4\sin(2\phi_5) -$$

$$b^r_{0,0,0,1,0,0,0,1,2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,1,0,0,2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_4 - 2\phi_5) -$$

$$b^r_{0,0,0,1,0,0,4,0,0,0}\rho_2^2\rho_4^4\sin(4\phi_4) + b^r_{0,0,0,1,0,1,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_4) -$$

$$b^r_{0,0,0,1,0,1,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_5) - b^r_{0,0,0,1,2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_3 - 2\phi_5) -$$

$$b^r_{0,0,0,1,2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_3 + 2\phi_4) - b^r_{0,0,0,1,4,0,0,0,0,0}\rho_2^2\rho_3^4\sin(4\phi_3) +$$

$$b^r_{0,0,0,2,-2,0,0,0,0,0}\rho_2^4\rho_3^2\sin(2\phi_3) + b^r_{0,0,0,2,0,0,-2,0,0,0}\rho_2^4\rho_4^2\sin(2\phi_4) -$$

$$b^r_{0,0,0,2,0,0,0,0,0,2,0}\rho_2^4\rho_5^2\sin(2\phi_5) + b^r_{0,0,1,0,-1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(-\phi_2 + \phi_3 + \phi_4 +$$

$$\phi_5) + b^r_{0,0,1,0,-1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,-1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,-1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5) +$$

$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,-1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,-3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 - 3\phi_3 + \phi_4 - \phi_5) -$$

$$b^r_{0,0,1,0,1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 - 3\phi_4 - \phi_5) -$$

$$b^r_{0,0,1,0,1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 + \phi_4 - 3\phi_5) -$$

$$b^r_{0,0,1,0,1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\sin(\phi_2 + \phi_3 + \phi_4 + 3\phi_5) -$$

$$b^r_{0,0,1,0,1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\sin(\phi_2 + \phi_3 + 3\phi_4 - \phi_5) -$$

$$b^r_{0,0,1,0,1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,0,3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\sin(\phi_2 + 3\phi_3 + \phi_4 - \phi_5) +$$

$$b^r_{0,0,1,1,-1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,1,-1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5) -$$

$$b^r_{0,0,1,1,1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5) + b^r_{0,0,2,0,-2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\sin(-$$

$$2\phi_2 + 2\phi_3 + 2\phi_5) - b^r_{0,0,2,0,-2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2 - 2\phi_3 + 2\phi_4) +$$

$$b^r_{0,0,2,0,0,0,-2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\sin(-2\phi_2 + 2\phi_4 + 2\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,2}\rho_2^2\rho_5^4\sin(2\phi_2) -$$

$$b^r_{0,0,2,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2) - b^r_{0,0,2,0,0,0,0,2,0,0}\rho_2^2\rho_4^4\sin(2\phi_2) -$$

$$b^r_{0,0,2,0,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\sin(2\phi_2 + 2\phi_4 + 2\phi_5) -$$

$$b^r_{0,0,2,0,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2) - b^r_{0,0,2,0,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2) -$$

$$b^r_{0,0,2,0,0,2,0,0,0,0}\rho_2^2\rho_3^4\sin(2\phi_2) - b^r_{0,0,2,0,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\sin(2\phi_2 + 2\phi_3 - 2\phi_4) -$$

$$b^r_{0,0,2,0,2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\sin(2\phi_2 + 2\phi_3 + 2\phi_5) - b^r_{0,0,2,1,0,0,0,0,0,1}\rho_2^4\rho_5^2\sin(2\phi_2) -$$

$$b^r_{0,0,2,1,0,0,0,1,0,0}\rho_2^4\rho_4^2\sin(2\phi_2) - b^r_{0,0,2,1,0,1,0,0,0,0}\rho_2^4\rho_3^2\sin(2\phi_2)-$$

$$b^r_{0,0,2,2,0,0,0,0,0,0}\rho_2^6\sin(2\phi_2) - b^r_{0,0,3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{0,0,3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{0,0,3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\sin(3\phi_2 + \phi_3 + \phi_4 + \phi_5) - b^r_{0,0,4,0,0,0,0,0,-2,0}\rho_2^4\rho_5^2\sin(4\phi_2 - 2\phi_5) - b^r_{0,0,4,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\sin(4\phi_2 + 2\phi_4) - b^r_{0,0,4,0,2,0,0,0,0,0}\rho_2^4\rho_3^2\sin(4\phi_2 + 2\phi_3)+$$

$$b^r_{0,1,-1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 + \phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{0,1,-1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 - \phi_3 - \phi_4 + \phi_5)+$$

$$b^r_{0,1,-2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_2 + 2\phi_5) + b^r_{0,1,-2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_2 - 2\phi_4) + b^r_{0,1,-2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_2 - 2\phi_3) + b^r_{0,1,-4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(4\phi_2)+$$

$$b^r_{0,1,0,0,-2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_3) + b^r_{0,1,0,0,-2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_3)+$$

$$b^r_{0,1,0,0,-2,1,0,0,0,0}\rho_1^2\rho_3^4\sin(2\phi_3) + b^r_{0,1,0,0,0,0,-2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_4)+$$

$$b^r_{0,1,0,0,0,0,-2,1,0,0}\rho_1^2\rho_4^4\sin(2\phi_4) + b^r_{0,1,0,0,0,0,0,0,-4,0}\rho_1^2\rho_5^4\sin(4\phi_5)-$$

$$b^r_{0,1,0,0,0,0,0,0,2,1}\rho_1^2\rho_5^4\sin(2\phi_5) - b^r_{0,1,0,0,0,0,0,1,2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_5)-$$

$$b^r_{0,1,0,0,0,0,2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\sin(2\phi_4 - 2\phi_5) - b^r_{0,1,0,0,0,0,4,0,0,0}\rho_1^2\rho_4^4\sin(4\phi_4)+$$

$$b^r_{0,1,0,0,0,1,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_4) - b^r_{0,1,0,0,0,1,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_5)-$$

$$b^r_{0,1,0,0,2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\sin(2\phi_3 - 2\phi_5) - b^r_{0,1,0,0,2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\sin(2\phi_3 + 2\phi_4) - b^r_{0,1,0,0,4,0,0,0,0,0}\rho_1^2\rho_3^4\sin(4\phi_3) + b^r_{0,1,0,1,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_3)+$$

$$b^r_{0,1,0,1,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_4) - b^r_{0,1,0,1,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_5)+$$

$$b^r_{0,1,1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,1,1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,1,1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,1,2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\sin(2\phi_2) - b^r_{0,1,2,0,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\sin(2\phi_2)-$$

$$b^r_{0,1,2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\sin(2\phi_2) - b^r_{0,1,2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\sin(2\phi_2)+$$

$$b^r_{0,2,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\sin(2\phi_3) + b^r_{0,2,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\sin(2\phi_4)-$$

$$b^r_{0,2,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\sin(2\phi_5) - b^r_{0,2,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\sin(2\phi_2)+$$

$$b^r_{1,0,-1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(-\phi_1 + \phi_2 + 2\phi_3)+$$

$$b^r_{1,0,-1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(-\phi_1 + \phi_2 + 2\phi_3) + b^r_{1,0,-1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(-\phi_1 + \phi_2 + 2\phi_3) + b^r_{1,0,-1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(-\phi_1 + \phi_2 + 2\phi_4)+$$

$$b^r_{1,0,-1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\sin(-\phi_1 + \phi_2 + 2\phi_4) + b^r_{1,0,-1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\sin(-\phi_1 + \phi_2 + 4\phi_5) - b^r_{1,0,-1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\sin(\phi_1 - \phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_4 - 2\phi_5)-$$

$$b^r_{1,0,-1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1 - \phi_2 + 4\phi_4) + b^r_{1,0,-1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(-\phi_1 + \phi_2 + 2\phi_4) - b^r_{1,0,-1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_3 - 2\phi_5)-$$

$$b^r_{1,0,-1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 - \phi_2 + 2\phi_3 + 2\phi_4)-$$

$$b^r_{1,0,-1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1 - \phi_2 + 4\phi_3) + b^r_{1,0,-1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(-\phi_1 + \phi_2 + 2\phi_3) + b^r_{1,0,-1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(-\phi_1 + \phi_2 + 2\phi_4)-$$

$$b^r_{1,0,-1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5) + b^r_{1,0,-2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1 + 2\phi_2 + \phi_3 + \phi_4 - \phi_5) - b^r_{1,0,-2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 - 2\phi_2 + \phi_3 + \phi_4 - \phi_5) + b^r_{1,0,-3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\sin(-\phi_1 + 3\phi_2 + 2\phi_5)-$$

$$b^r_{1,0,-3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1 - 3\phi_2 + 2\phi_4) - b^r_{1,0,-3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1-$$

$$3\phi_2 + 2\phi_3) - b^r_{1,0,-5,0,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1 - 5\phi_2) + b^r_{1,0,0,0,-1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(-$$

$$\phi_1 + \phi_3 + \phi_4 + \phi_5) + b^r_{1,0,0,0,-1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)+$$

$$b^r_{1,0,0,0,-1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,-3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1 - 3\phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1 + \phi_3 - 3\phi_4 - \phi_5)-$$

$$b^r_{1,0,0,0,1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1 + \phi_3 + \phi_4 - 3\phi_5)-$$

$$b^r_{1,0,0,0,1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\sin(\phi_1 + \phi_3 + \phi_4 + 3\phi_5)-$$

$$b^r_{1,0,0,0,1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\sin(\phi_1 + \phi_3 + 3\phi_4 - \phi_5)-$$

$$b^r_{1,0,0,0,1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,0,3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\sin(\phi_1 + 3\phi_3 + \phi_4 - \phi_5)+$$

$$b^r_{1,0,0,1,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,1,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,0,1,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,0,1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 + \phi_2 - 2\phi_3 - 2\phi_5)-$$

$$b^r_{1,0,1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 + \phi_2 - 2\phi_3 + 2\phi_4)-$$

$$b^r_{1,0,1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 + \phi_2 - 2\phi_4 - 2\phi_5)-$$

$$b^r_{1,0,1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\sin(\phi_1 + \phi_2) - b^r_{1,0,1,0,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,0,1,0,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\sin(\phi_1 + \phi_2) - b^r_{1,0,1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\sin(\phi_1 + \phi_2 +$$

$$2\phi_4 + 2\phi_5) - b^r_{1,0,1,0,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,0,1,0,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 + \phi_2) - b^r_{1,0,1,0,0,0,2,0,0,0,0,0}\rho_1\rho_2\rho_3^4\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,0,1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\sin(\phi_1 + \phi_2 + 2\phi_3 - 2\phi_4)-$$

$$b^r_{1,0,1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\sin(\phi_1 + \phi_2 + 2\phi_3 + 2\phi_5)-$$

$$b^r_{1,0,1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\sin(\phi_1 + \phi_2) - b^r_{1,0,1,1,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,0,1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1 + \phi_2) - b^r_{1,0,1,2,0,0,0,0,0,0,0}\rho_1\rho_2^5\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,0,2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 + 2\phi_2 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{1,0,2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 + 2\phi_2 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{1,0,2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\sin(\phi_1 + 2\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,0,3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\sin(\phi_1 + 3\phi_2 - 2\phi_5) - b^r_{1,0,3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\sin(\phi_1 +$$

$$3\phi_2 + 2\phi_4) - b^r_{1,0,3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\sin(\phi_1 + 3\phi_2 + 2\phi_3)+$$

$$b^r_{1,1,-1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(-\phi_1 + \phi_2 + 2\phi_3) + b^r_{1,1,-1,0,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\sin(-\phi_1 +$$

$$\phi_2 + 2\phi_4) - b^r_{1,1,-1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\sin(\phi_1 - \phi_2 + 2\phi_5)+$$

$$b^r_{1,1,0,0,-1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,1,0,0,-1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{1,1,0,0,1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\sin(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{1,1,1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\sin(\phi_1 + \phi_2) - b^r_{1,1,1,0,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,1,1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\sin(\phi_1 + \phi_2) - b^r_{1,1,1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\sin(\phi_1 + \phi_2)-$$

$$b^r_{1,2,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\sin(\phi_1 + \phi_2) + b^r_{2,0,-1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\sin(-2\phi_1 + \phi_2 +$$

$$\phi_3 + \phi_4 + \phi_5) - b^r_{2,0,-1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5 \sin(2\phi_1 - \phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{2,0,-1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5 \sin(2\phi_1 - \phi_2 + \phi_3 - \phi_4 + \phi_5)+$$

$$b^r_{2,0,-2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2 \sin(-2\phi_1 + 2\phi_2 + 2\phi_3) + b^r_{2,0,-2,0,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2 \sin(-$$

$$2\phi_1 + 2\phi_2 + 2\phi_4) - b^r_{2,0,-2,0,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2 \sin(2\phi_1 - 2\phi_2 + 2\phi_5)+$$

$$b^r_{2,0,0,0,-2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2 \sin(-2\phi_1 + 2\phi_3 + 2\phi_5)-$$

$$b^r_{2,0,0,0,-2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2 \sin(2\phi_1 - 2\phi_3 + 2\phi_4) + b^r_{2,0,0,0,0,0,-2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2 \sin(-$$

$$2\phi_1 + 2\phi_4 + 2\phi_5) - b^r_{2,0,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4 \sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2 \sin(2\phi_1) - b^r_{2,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4 \sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2 \sin(2\phi_1 + 2\phi_4 + 2\phi_5)-$$

$$b^r_{2,0,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2 \sin(2\phi_1) - b^r_{2,0,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2 \sin(2\phi_1)-$$

$$b^r_{2,0,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4 \sin(2\phi_1) - b^r_{2,0,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2 \sin(2\phi_1 + 2\phi_3 - 2\phi_4)-$$

$$b^r_{2,0,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2 \sin(2\phi_1 + 2\phi_3 + 2\phi_5)-$$

$$b^r_{2,0,0,1,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2 \sin(2\phi_1) - b^r_{2,0,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2 \sin(2\phi_1)-$$

$$b^r_{2,0,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2 \sin(2\phi_1) - b^r_{2,0,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4 \sin(2\phi_1)-$$

$$b^r_{2,0,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5 \sin(2\phi_1 + \phi_2 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5 \sin(2\phi_1 + \phi_2 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5 \sin(2\phi_1 + \phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{2,0,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2 \sin(2\phi_1 + 2\phi_2 - 2\phi_5)-$$

$$b^r_{2,0,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2 \sin(2\phi_1 + 2\phi_2 + 2\phi_4)-$$

$$b^r_{2,0,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2 \sin(2\phi_1 + 2\phi_2 + 2\phi_3) - b^r_{2,1,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2 \sin(2\phi_1)-$$

$$b^r_{2,1,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2 \sin(2\phi_1) - b^r_{2,1,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2 \sin(2\phi_1)-$$

$$b^r_{2,1,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2 \sin(2\phi_1) - b^r_{2,2,0,0,0,0,0,0,0,0}\rho_1^6 \sin(2\phi_1)-$$

$$b^r_{3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2 \sin(3\phi_1 - \phi_2) - b^r_{3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2 \sin(3\phi_1 - \phi_2)-$$

$$b^r_{3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2 \sin(3\phi_1 - \phi_2) - b^r_{3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3 \sin(3\phi_1 - \phi_2)-$$

$$b^r_{3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5 \sin(3\phi_1 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5 \sin(3\phi_1 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5 \sin(3\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2 \sin(3\phi_1 + \phi_2 - 2\phi_5) - b^r_{3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2 \sin(3\phi_1 +$$

$$\phi_2 + 2\phi_4) - b^r_{3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2 \sin(3\phi_1 + \phi_2 + 2\phi_3)-$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2 \sin(3\phi_1 - \phi_2) - b^r_{4,0,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2 \sin(4\phi_1 - 2\phi_2)-$$

$$b^r_{4,0,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2 \sin(4\phi_1 - 2\phi_5) - b^r_{4,0,0,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2 \sin(4\phi_1 + 2\phi_4)-$$

$$b^r_{4,0,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2 \sin(4\phi_1 + 2\phi_3)$$

$$
\begin{aligned}
H^{(6)}_{YY} =\,& a^r_{0,0,0,0,0,0,0,0,0,3}\rho_5^6 + a^r_{0,0,0,0,0,0,0,0,6,0}\rho_5^6 \cos(6\phi_5) + a^r_{0,0,0,0,0,0,0,1,0,2}\rho_4^2\rho_5^4 + \\
& a^r_{0,0,0,0,0,0,2,0,1}\rho_4^4\rho_5^2 + a^r_{0,0,0,0,0,0,0,3,0,0}\rho_4^6 + a^r_{0,0,0,0,0,0,2,0,-4,0}\rho_4^2\rho_5^4 \cos(2\phi_4 - 4\phi_5)+ \\
& a^r_{0,0,0,0,0,0,2,0,2,1}\rho_4^2\rho_5^4 \cos(2\phi_4 + 2\phi_5) + a^r_{0,0,0,0,0,0,2,1,2,0}\rho_4^4\rho_5^2 \cos(2\phi_4 + 2\phi_5)+ \\
& a^r_{0,0,0,0,0,0,4,0,-2,0}\rho_4^4\rho_5^2 \cos(4\phi_4 - 2\phi_5) + a^r_{0,0,0,0,0,0,6,0,0,0}\rho_4^6 \cos(6\phi_4)+ \\
& a^r_{0,0,0,0,0,1,0,0,0,2}\rho_3^2\rho_5^4 + a^r_{0,0,0,0,0,1,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2 + a^r_{0,0,0,0,0,1,0,2,0,0}\rho_3^2\rho_4^4+ \\
& a^r_{0,0,0,0,0,1,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2 \cos(2\phi_4 + 2\phi_5) + a^r_{0,0,0,0,0,2,0,0,0,1}\rho_3^4\rho_5^2+ \\
& a^r_{0,0,0,0,0,2,0,1,0,0}\rho_3^4\rho_4^2 + a^r_{0,0,0,0,0,3,0,0,0,0}\rho_3^6 + a^r_{0,0,0,0,2,0,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2 \cos(2\phi_3- \\
& 2\phi_4) + a^r_{0,0,0,0,2,0,-2,1,0,0}\rho_3^2\rho_4^4 \cos(2\phi_3 - 2\phi_4) + a^r_{0,0,0,0,2,0,0,0,0,-4,0}\rho_3^2\rho_5^4 \cos(2\phi_3 - 4\phi_5)+ \\
& a^r_{0,0,0,0,2,0,0,0,2,1}\rho_3^2\rho_5^4 \cos(2\phi_3 + 2\phi_5) + a^r_{0,0,0,0,2,0,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2 \cos(2\phi_3 + 2\phi_5)+
\end{aligned}
$$

$$a^r_{0,0,0,0,2,0,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3+2\phi_4-2\phi_5)+a^r_{0,0,0,0,2,0,4,0,0,0}\rho_3^2\rho_4^4\cos(2\phi_3+$$
$$4\phi_4)+a^r_{0,0,0,0,2,1,-2,0,0,0,0}\rho_3^4\rho_4^2\cos(2\phi_3-2\phi_4)+a^r_{0,0,0,0,2,1,0,0,0,2,0}\rho_3^4\rho_5^2\cos(2\phi_3+2\phi_5)+$$
$$a^r_{0,0,0,0,4,0,0,0,-2,0}\rho_3^4\rho_5^2\cos(4\phi_3-2\phi_5)+a^r_{0,0,0,0,4,0,2,0,0,0}\rho_3^4\rho_4^2\cos(4\phi_3+2\phi_4)+$$
$$a^r_{0,0,0,0,6,0,0,0,0,0}\rho_3^6\cos(6\phi_3)+a^r_{0,0,0,1,0,0,0,0,0,2}\rho_2^2\rho_5^4+a^r_{0,0,0,1,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2+$$
$$a^r_{0,0,0,1,0,0,0,2,0,0}\rho_2^2\rho_4^4+a^r_{0,0,0,1,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5)+$$
$$a^r_{0,0,0,1,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2+a^r_{0,0,0,1,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2+a^r_{0,0,0,1,0,2,0,0,0,0}\rho_2^2\rho_3^4+$$
$$a^r_{0,0,0,1,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4)+a^r_{0,0,0,1,2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3+$$
$$2\phi_5)+a^r_{0,0,0,2,0,0,0,0,0,1}\rho_2^4\rho_5^2+a^r_{0,0,0,2,0,0,0,1,0,0}\rho_2^4\rho_4^2+a^r_{0,0,0,2,0,1,0,0,0,0}\rho_2^4\rho_3^2+$$
$$a^r_{0,0,0,3,0,0,0,0,0,0}\rho_2^6+a^r_{0,0,1,0,-1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(-\phi_2+\phi_3+\phi_4+3\phi_5)+$$
$$a^r_{0,0,1,0,-1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2-\phi_3-\phi_4+3\phi_5)+$$
$$a^r_{0,0,1,0,-1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3-3\phi_4+\phi_5)+$$
$$a^r_{0,0,1,0,-1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,-1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,-1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2-\phi_3+3\phi_4+\phi_5)+$$
$$a^r_{0,0,1,0,-1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,-3,0,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2-3\phi_3-\phi_4+\phi_5)+$$
$$a^r_{0,0,1,0,1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{0,0,1,0,1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{0,0,1,0,1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,0,1,0,1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{0,0,1,0,3,0,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2+3\phi_3-\phi_4+\phi_5)+$$
$$a^r_{0,0,1,1,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,0,1,1,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,0,1,1,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+a^r_{0,0,2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(-$$
$$2\phi_2+2\phi_3+2\phi_4)+a^r_{0,0,2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2-2\phi_3+2\phi_5)+$$
$$a^r_{0,0,2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2-4\phi_3)+a^r_{0,0,2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2-2\phi_4+$$
$$2\phi_5)+a^r_{0,0,2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\cos(2\phi_2-4\phi_4)+a^r_{0,0,2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\cos(2\phi_2-2\phi_5)+$$
$$a^r_{0,0,2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\cos(2\phi_2+4\phi_5)+a^r_{0,0,2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2-2\phi_5)+$$
$$a^r_{0,0,2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2+2\phi_4)+a^r_{0,0,2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_2+2\phi_4)+$$
$$a^r_{0,0,2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,0,2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2+$$
$$2\phi_4)+a^r_{0,0,2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2+2\phi_3)+$$
$$a^r_{0,0,2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2+2\phi_3)+a^r_{0,0,2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2+2\phi_3)+$$
$$a^r_{0,0,2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,0,2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_2+2\phi_4)+$$
$$a^r_{0,0,2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2+2\phi_3)+a^r_{0,0,3,0,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2-\phi_3-$$
$$\phi_4+\phi_5)+a^r_{0,0,3,0,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2+\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,0,4,0,-2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2-2\phi_3)+a^r_{0,0,4,0,0,0,-2,0,0,0}\rho_2^4\rho_4^2\cos(4\phi_2-2\phi_4)+$$
$$a^r_{0,0,4,0,0,0,0,0,2,0}\rho_2^4\rho_5^2\cos(4\phi_2+2\phi_5)+a^r_{0,0,6,0,0,0,0,0,0,0}\rho_2^6\cos(6\phi_2)+$$
$$a^r_{0,1,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4+a^r_{0,1,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2+a^r_{0,1,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4+$$
$$a^r_{0,1,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4+2\phi_5)+a^r_{0,1,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2+$$
$$a^r_{0,1,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2+a^r_{0,1,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4+$$

$$a^r_{0,1,0,0,2,0,-2,0,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3-2\phi_4)+a^r_{0,1,0,0,2,0,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3+$$
$$2\phi_5)+a^r_{0,1,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2+a^r_{0,1,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2+$$
$$a^r_{0,1,0,1,0,1,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2+a^r_{0,1,0,2,0,0,0,0,0,0,0}\rho_1^2\rho_2^4+$$
$$a^r_{0,1,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{0,1,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{0,1,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{0,1,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2-2\phi_5)+a^r_{0,1,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2+$$
$$2\phi_4)+a^r_{0,1,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2+2\phi_3)+a^r_{0,2,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2+$$
$$a^r_{0,2,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2+a^r_{0,2,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2+a^r_{0,2,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2+$$
$$a^r_{0,3,0,0,0,0,0,0,0,0}\rho_1^6+a^r_{1,0,-1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_3+2\phi_5)+$$
$$a^r_{1,0,-1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2-2\phi_3+2\phi_4)+$$
$$a^r_{1,0,-1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_4+2\phi_5)+$$
$$a^r_{1,0,-1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+$$
$$2\phi_4+2\phi_5)+a^r_{1,0,-1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_3-2\phi_4)+$$
$$a^r_{1,0,-1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_3+2\phi_5)+$$
$$a^r_{1,0,-1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-\phi_2)+a^r_{1,0,-1,2,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1-\phi_2)+$$
$$a^r_{1,0,-2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,-2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2-\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,-2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2+\phi_3-\phi_4+\phi_5)+$$
$$a^r_{1,0,-3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(-\phi_1+3\phi_2+2\phi_3)+a^r_{1,0,-3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(-\phi_1+$$
$$3\phi_2+2\phi_4)+a^r_{1,0,-3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-3\phi_2+2\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(-\phi_1+\phi_3+\phi_4+3\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3-\phi_4+3\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3-3\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,-1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+3\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,-1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,-3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3-\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$
$$a^r_{1,0,0,0,1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$$
$$a^r_{1,0,0,0,3,0,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3-\phi_4+\phi_5)+$$
$$a^r_{1,0,0,1,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-\phi_5)+$$
$$a^r_{1,0,0,1,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$$

$a^r_{1,0,0,1,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,0,1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3-2\phi_4)+$

$a^r_{1,0,1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3+2\phi_5)+$

$a^r_{1,0,1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2-4\phi_3)+a^r_{1,0,1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+$
$\phi_2-2\phi_4+2\phi_5)+a^r_{1,0,1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2-4\phi_4)+$

$a^r_{1,0,1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,0,1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2+$
$4\phi_5)+a^r_{1,0,1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+$
$\phi_2+2\phi_4)+a^r_{1,0,1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+$

$a^r_{1,0,1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3)+$

$a^r_{1,0,1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,0,1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+$
$\phi_2+2\phi_3)+a^r_{1,0,1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+$

$a^r_{1,0,1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2+2\phi_4)+a^r_{1,0,1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+\phi_2+$
$2\phi_3)+a^r_{1,0,2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3-\phi_4+\phi_5)+$

$a^r_{1,0,2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3+\phi_4-\phi_5)+$

$a^r_{1,0,3,0,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2-2\phi_3)+a^r_{1,0,3,0,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+$
$3\phi_2-2\phi_4)+a^r_{1,0,3,0,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2+2\phi_5)+$

$a^r_{1,0,5,0,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+5\phi_2)+a^r_{1,1,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1-\phi_2)+a^r_{1,1,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1-\phi_2)+$

$a^r_{1,1,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1-\phi_2)+a^r_{1,1,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4-$
$\phi_5)+a^r_{1,1,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4-\phi_5)+$

$a^r_{1,1,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4+\phi_5)+$

$a^r_{1,1,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2-2\phi_5)+a^r_{1,1,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2+$
$2\phi_4)+a^r_{1,1,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2+2\phi_3)+a^r_{1,2,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(\phi_1-$
$\phi_2)+a^r_{2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2+\phi_3-\phi_4+\phi_5)+$

$a^r_{2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)+$

$a^r_{2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1-$
$2\phi_2)+a^r_{2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1-2\phi_2)+a^r_{2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1-$
$2\phi_2)+a^r_{2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(-2\phi_1+2\phi_3+2\phi_4)+$

$a^r_{2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_3+2\phi_5)+a^r_{2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1-$
$4\phi_3)+a^r_{2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_4+2\phi_5)+$

$a^r_{2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1-4\phi_4)+a^r_{2,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\cos(2\phi_1-2\phi_5)+$

$a^r_{2,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\cos(2\phi_1+4\phi_5)+a^r_{2,0,0,0,0,0,0,1,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1-2\phi_5)+$

$a^r_{2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4)+a^r_{2,0,0,0,0,0,2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_1+2\phi_4)+$

$a^r_{2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,0,0,1,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+$
$2\phi_4)+a^r_{2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3)+a^r_{2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_5)+a^r_{2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+$
$2\phi_4)+a^r_{2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_3)+$

$a^r_{2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3-\phi_4+\phi_5)+$

$$a^r_{2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_2-2\phi_3)+$$

$$a^r_{2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+2\phi_2-2\phi_4)+$$

$$a^r_{2,0,2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2+2\phi_5)+a^r_{2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1+$$

$$4\phi_2)+a^r_{2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1-2\phi_2)+a^r_{2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(2\phi_1-2\phi_5)+$$

$$a^r_{2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_1+2\phi_4)+a^r_{2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1+2\phi_3)+$$

$$a^r_{3,0,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(-3\phi_1+\phi_2+2\phi_5)+a^r_{3,0,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1-$$

$$\phi_2+2\phi_4)+a^r_{3,0,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1-\phi_2+2\phi_3)+$$

$$a^r_{3,0,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1-3\phi_2)+a^r_{3,0,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1-\phi_3-$$

$$\phi_4+\phi_5)+a^r_{3,0,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1+\phi_3+\phi_4-\phi_5)+$$

$$a^r_{3,0,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1+\phi_2-2\phi_3)+a^r_{3,0,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1+$$

$$\phi_2-2\phi_4)+a^r_{3,0,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1+\phi_2+2\phi_5)+$$

$$a^r_{3,0,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1+3\phi_2)+a^r_{4,0,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1-2\phi_3)+$$

$$a^r_{4,0,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\cos(4\phi_1-2\phi_4)+a^r_{4,0,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\cos(4\phi_1+2\phi_5)+$$

$$a^r_{4,0,2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1+2\phi_2)+a^r_{5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(5\phi_1+\phi_2)+$$

$$a^r_{6,0,0,0,0,0,0,0,0,0}\rho_1^6\cos(6\phi_1)-b^r_{-1,0,-1,0,-2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3+2\phi_4)-$$

$$b^r_{-1,0,-1,0,-2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3-2\phi_5)-$$

$$b^r_{-1,0,-1,0,-4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2+4\phi_3)-b^r_{-1,0,-1,0,0,0,-2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+$$

$$\phi_2+2\phi_4-2\phi_5)-b^r_{-1,0,-1,0,0,0,-4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2+4\phi_4)-$$

$$b^r_{-1,0,-1,0,0,0,0,0,-2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2+2\phi_5)-b^r_{-1,0,-1,0,0,0,0,0,4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2-$$

$$4\phi_5)-b^r_{-1,0,-1,0,0,0,0,1,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,-1,0,0,0,2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_4)-b^r_{-1,0,-1,0,0,0,2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+$$

$$\phi_2-2\phi_4)-b^r_{-1,0,-1,0,0,1,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,-1,0,0,1,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_4)-$$

$$b^r_{-1,0,-1,0,2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3)-$$

$$b^r_{-1,0,-1,0,2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3)-b^r_{-1,0,-1,0,2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+$$

$$\phi_2-2\phi_3)-b^r_{-1,0,-1,1,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,-1,1,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2-2\phi_4)-b^r_{-1,0,-1,1,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+$$

$$\phi_2-2\phi_3)-b^r_{-1,0,-2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,-2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,-2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,-3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2)-b^r_{-1,0,-3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+3\phi_2)-$$

$$b^r_{-1,0,-3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2)-b^r_{-1,0,-3,1,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+3\phi_2)-$$

$$b^r_{-1,0,0,0,-1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{-1,0,0,0,-1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{-1,0,0,0,-1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+3\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,-1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4+3\phi_5)-$$

$$b^r_{-1,0,0,0,-1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3-\phi_4-3\phi_5)-$$

$$b^r_{-1,0,0,0,-1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-3\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,-3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3-\phi_4-\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,-1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4+3\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,-1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3+\phi_4-3\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,-3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3+3\phi_4-\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,1,0,3,0,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(-\phi_1+\phi_3+3\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,1,1,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,3,0,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1-3\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,0,3,0,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(-\phi_1+3\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,0,1,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-\phi_5)-$$

$$b^r_{-1,0,0,1,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_3)-$$

$$b^r_{-1,0,1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_3)-b^r_{-1,0,1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1-$$

$$\phi_2+2\phi_3)-b^r_{-1,0,1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2+2\phi_4)-$$

$$b^r_{-1,0,1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1-\phi_2+2\phi_4)-b^r_{-1,0,1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\cos(\phi_1-\phi_2+$$

$$4\phi_5)-b^r_{-1,0,1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\cos(-\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1-\phi_2-2\phi_4+2\phi_5)-b^r_{-1,0,1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\cos(-$$

$$\phi_1+\phi_2+4\phi_4)-b^r_{-1,0,1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1-\phi_2+2\phi_4)-$$

$$b^r_{-1,0,1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,0,1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1-\phi_2-2\phi_3+2\phi_5)-$$

$$b^r_{-1,0,1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(-\phi_1+\phi_2+2\phi_3+2\phi_4)-$$

$$b^r_{-1,0,1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(-\phi_1+\phi_2+4\phi_3)-b^r_{-1,0,1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-\phi_2+$$

$$2\phi_3)-b^r_{-1,0,1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-\phi_2+2\phi_4)-b^r_{-1,0,1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(-$$

$$\phi_1+\phi_2+2\phi_5)-b^r_{-1,0,2,0,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-2\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,2,0,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-1,0,2,0,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+2\phi_2+\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,0,3,0,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1-3\phi_2)-b^r_{-1,0,3,0,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1-3\phi_2)-$$

$$b^r_{-1,0,3,0,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1-3\phi_2)-b^r_{-1,0,3,1,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1-3\phi_2)-$$

$$b^r_{-1,1,-1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2+2\phi_5)-b^r_{-1,1,-1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+$$

$$\phi_2-2\phi_4)-b^r_{-1,1,-1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2-2\phi_3)-$$

$$b^r_{-1,1,-3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1+3\phi_2)-b^r_{-1,1,0,0,-1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3+\phi_4-$$

$$\phi_5)-b^r_{-1,1,0,0,1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3-\phi_4+\phi_5)-$$

$$b^r_{-1,1,1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1-\phi_2+2\phi_3)-b^r_{-1,1,1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1-$$

$$\phi_2+2\phi_4)-b^r_{-1,1,1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(-\phi_1+\phi_2+2\phi_5)-$$

$$b^r_{-1,1,3,0,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1-3\phi_2)-b^r_{-2,0,-1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2+$$

$$\phi_3-\phi_4+\phi_5)-b^r_{-2,0,-1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1+\phi_2-\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-2,0,-1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1-\phi_2+\phi_3+\phi_4+\phi_5)-$$

$$b^r_{-2,0,-2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1+2\phi_2)-b^r_{-2,0,-2,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1+$$

$$2\phi_2)-b^r_{-2,0,-2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1+2\phi_2)-b^r_{-2,0,-2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1+$$

$$2\phi_2)-b^r_{-2,0,0,0,-2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1+2\phi_3+2\phi_4)-$$

$$b^r_{-2,0,0,0,-2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1+2\phi_3-2\phi_5)-b^r_{-2,0,0,0,-4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1+$$

$$4\phi_3) - b^r_{-2,0,0,0,0,0,-2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1 + 2\phi_4 - 2\phi_5)-$$

$$b^r_{-2,0,0,0,0,0,-4,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1 + 4\phi_4) - b^r_{-2,0,0,0,0,0,0,0,0,-2,1}\rho_1^2\rho_5^4\cos(2\phi_1 + 2\phi_5)-$$

$$b^r_{-2,0,0,0,0,0,0,0,0,4,0}\rho_1^2\rho_5^4\cos(2\phi_1 - 4\phi_5) - b^r_{-2,0,0,0,0,0,0,1,-2,0,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1 + 2\phi_5)-$$

$$b^r_{-2,0,0,0,0,0,2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1 - 2\phi_4) - b^r_{-2,0,0,0,0,0,2,1,0,0,0}\rho_1^2\rho_4^4\cos(2\phi_1 - 2\phi_4)-$$

$$b^r_{-2,0,0,0,0,1,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1 + 2\phi_5) - b^r_{-2,0,0,0,0,1,2,0,0,0,0}\rho_1^2\rho_3^2\rho_4^4\cos(2\phi_1-$$

$$2\phi_4) - b^r_{-2,0,0,0,2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1 - 2\phi_3)-$$

$$b^r_{-2,0,0,0,2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^4\cos(2\phi_1 - 2\phi_3) - b^r_{-2,0,0,0,2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1 - 2\phi_3)-$$

$$b^r_{-2,0,0,1,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1 + 2\phi_5) - b^r_{-2,0,0,1,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^4\cos(2\phi_1-$$

$$2\phi_4) - b^r_{-2,0,0,1,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1 - 2\phi_3)-$$

$$b^r_{-2,0,1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1 - \phi_2 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{-2,0,1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1 + \phi_2 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{-2,0,2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1 - 2\phi_2 + 2\phi_3)-$$

$$b^r_{-2,0,2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1 - 2\phi_2 + 2\phi_4) - b^r_{-2,0,2,0,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(-$$

$$2\phi_1 + 2\phi_2 + 2\phi_5) - b^r_{-2,0,4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1 - 4\phi_2)-$$

$$b^r_{-2,1,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1 + 2\phi_2) - b^r_{-2,1,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(2\phi_1 + 2\phi_5)-$$

$$b^r_{-2,1,0,0,0,0,2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_1 - 2\phi_4) - b^r_{-2,1,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1 - 2\phi_3)-$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1 + \phi_2) - b^r_{-3,0,-1,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1 + \phi_2)-$$

$$b^r_{-3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1 + \phi_2) - b^r_{-3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1 + \phi_2)-$$

$$b^r_{-3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 + \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{-3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{-3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(-3\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{-3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1 - \phi_2 + 2\phi_5) - b^r_{-3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(-3\phi_1+$$

$$\phi_2 + 2\phi_4) - b^r_{-3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(-3\phi_1 + \phi_2 + 2\phi_3)-$$

$$b^r_{-3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(3\phi_1 + \phi_2) - b^r_{-4,0,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\cos(4\phi_1)-$$

$$b^r_{-4,0,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\cos(4\phi_1) - b^r_{-4,0,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1)-$$

$$b^r_{-4,0,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1) - b^r_{-4,1,0,0,0,0,0,0,0,0}\rho_1^6\cos(4\phi_1)-$$

$$b^r_{-5,0,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(5\phi_1 - \phi_2) - b^r_{0,0,-1,0,-1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 + \phi_4-$$

$$\phi_5) - b^r_{0,0,-1,0,-1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 + 3\phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,-1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 - \phi_4 + 3\phi_5)-$$

$$b^r_{0,0,-1,0,-1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 - \phi_4 - 3\phi_5)-$$

$$b^r_{0,0,-1,0,-1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 - 3\phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,-1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + 3\phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,-3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + 3\phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{0,0,-1,0,1,0,-1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 + \phi_4 + 3\phi_5)-$$

$$b^r_{0,0,-1,0,1,0,-1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 + \phi_4 - 3\phi_5)-$$

$$b^r_{0,0,-1,0,1,0,-3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 - \phi_3 + 3\phi_4 - \phi_5)-$$

$$b^r_{0,0,-1,0,1,0,1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,1,0,1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,1,0,3,0,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(-\phi_2 + \phi_3 + 3\phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,1,1,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,3,0,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - 3\phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,0,3,0,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(-\phi_2 + 3\phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,-1,1,-1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{0,0,-1,1,1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)-$$

$$b^r_{0,0,-2,0,-2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 + 2\phi_3 + 2\phi_4)-$$

$$b^r_{0,0,-2,0,-2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_3 - 2\phi_5) - b^r_{0,0,-2,0,-4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2 + 4\phi_3) - b^r_{0,0,-2,0,0,0,-2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_4 - 2\phi_5)-$$

$$b^r_{0,0,-2,0,0,0,-4,0,0,0}\rho_2^2\rho_4^4\cos(2\phi_2 + 4\phi_4) - b^r_{0,0,-2,0,0,0,0,0,-2,1}\rho_2^2\rho_5^4\cos(2\phi_2 + 2\phi_5)-$$

$$b^r_{0,0,-2,0,0,0,0,0,4,0}\rho_2^2\rho_5^4\cos(2\phi_2 - 4\phi_5) - b^r_{0,0,-2,0,0,0,0,1,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_5)-$$

$$b^r_{0,0,-2,0,0,0,2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 - 2\phi_4) - b^r_{0,0,-2,0,0,0,2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_2 - 2\phi_4)-$$

$$b^r_{0,0,-2,0,0,1,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_5) - b^r_{0,0,-2,0,0,1,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 - 2\phi_4) - b^r_{0,0,-2,0,2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 - 2\phi_3)-$$

$$b^r_{0,0,-2,0,2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 - 2\phi_3) - b^r_{0,0,-2,0,2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2 - 2\phi_3)-$$

$$b^r_{0,0,-2,1,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(2\phi_2 + 2\phi_5) - b^r_{0,0,-2,1,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_2 - 2\phi_4)-$$

$$b^r_{0,0,-2,1,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2 - 2\phi_3) - b^r_{0,0,-3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3 - \phi_4 + \phi_5) - b^r_{0,0,-3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 - \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,-3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(-3\phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{0,0,-4,0,0,0,0,0,0,1}\rho_2^4\rho_5^2\cos(4\phi_2) - b^r_{0,0,-4,0,0,0,0,1,0,0}\rho_2^4\rho_4^2\cos(4\phi_2)-$$

$$b^r_{0,0,-4,0,0,1,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2) - b^r_{0,0,-4,1,0,0,0,0,0,0}\rho_2^6\cos(4\phi_2)-$$

$$b^r_{0,0,0,0,-2,0,-2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 + 2\phi_4 + 2\phi_5) - b^r_{0,0,0,0,-2,0,0,0,0,2}\rho_3^2\rho_5^4\cos(2\phi_3)-$$

$$b^r_{0,0,0,0,-2,0,0,1,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3) - b^r_{0,0,0,0,-2,0,0,2,0,0}\rho_3^2\rho_4^4\cos(2\phi_3)-$$

$$b^r_{0,0,0,0,-2,0,2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(-2\phi_3 + 2\phi_4 + 2\phi_5) - b^r_{0,0,0,0,-2,1,0,0,0,1}\rho_3^4\rho_5^2\cos(2\phi_3)-$$

$$b^r_{0,0,0,0,-2,1,0,1,0,0}\rho_3^4\rho_4^2\cos(2\phi_3) - b^r_{0,0,0,0,-2,2,0,0,0,0}\rho_3^6\cos(2\phi_3)-$$

$$b^r_{0,0,0,0,-4,0,0,0,-2,0}\rho_3^4\rho_5^2\cos(4\phi_3 + 2\phi_5) - b^r_{0,0,0,0,-4,0,2,0,0,0}\rho_3^4\rho_4^2\cos(4\phi_3 - 2\phi_4)-$$

$$b^r_{0,0,0,0,0,0,-2,0,0,2}\rho_4^2\rho_5^4\cos(2\phi_4) - b^r_{0,0,0,0,0,0,-2,1,0,1}\rho_4^4\rho_5^2\cos(2\phi_4)-$$

$$b^r_{0,0,0,0,0,0,-2,2,0,0}\rho_4^6\cos(2\phi_4) - b^r_{0,0,0,0,0,0,-4,0,-2,0}\rho_4^4\rho_5^2\cos(4\phi_4 + 2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,0,-4,1}\rho_5^6\cos(4\phi_5) - b^r_{0,0,0,0,0,0,0,0,2,2}\rho_5^6\cos(2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,1,-4,0}\rho_4^2\rho_5^4\cos(4\phi_5) - b^r_{0,0,0,0,0,0,0,1,2,1}\rho_4^2\rho_5^4\cos(2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,0,2,2,0}\rho_4^4\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,0,0,0,2,0,-2,1}\rho_4^2\rho_5^4\cos(2\phi_4 - 2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,2,0,4,0}\rho_4^2\rho_5^4\cos(2\phi_4 + 4\phi_5) - b^r_{0,0,0,0,0,0,2,1,-2,0}\rho_4^4\rho_5^2\cos(2\phi_4 - 2\phi_5)-$$

$$b^r_{0,0,0,0,0,0,4,0,0,1}\rho_4^4\rho_5^2\cos(4\phi_4) - b^r_{0,0,0,0,0,0,4,1,0,0}\rho_4^6\cos(4\phi_4)-$$

$$b^r_{0,0,0,0,0,1,-2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_4) - b^r_{0,0,0,0,0,1,-2,1,0,0}\rho_3^2\rho_4^4\cos(2\phi_4)-$$

$$b^r_{0,0,0,0,0,1,0,0,-4,0}\rho_3^2\rho_5^4\cos(4\phi_5) - b^r_{0,0,0,0,0,1,0,0,2,1}\rho_3^2\rho_5^4\cos(2\phi_5)-$$

$$b^r_{0,0,0,0,0,1,0,1,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,0,0,1,2,0,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5)-$$

$$b^r_{0,0,0,0,0,1,4,0,0,0}\rho_3^2\rho_4^4\cos(4\phi_4) - b^r_{0,0,0,0,0,2,-2,0,0,0}\rho_3^4\rho_4^2\cos(2\phi_4)-$$

$$b^r_{0,0,0,0,0,2,0,0,2,0}\rho_3^4\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,0,2,0,-2,0,2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 - 2\phi_4 + 2\phi_5)-$$

$$b^r_{0,0,0,0,2,0,-4,0,0,0}\rho_3^2\rho_4^4\cos(2\phi_3 - 4\phi_4) - b^r_{0,0,0,0,2,0,0,0,-2,1}\rho_3^2\rho_5^4\cos(2\phi_3 - 2\phi_5)-$$

$$b^r_{0,0,0,0,2,0,0,0,4,0}\rho_3^2\rho_5^4\cos(2\phi_3 + 4\phi_5) - b^r_{0,0,0,0,2,0,0,1,-2,0}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 - 2\phi_5)-$$

$$b^r_{0,0,0,0,2,0,2,0,0,1}\rho_3^2\rho_4^2\rho_5^2\cos(2\phi_3 + 2\phi_4) - b^r_{0,0,0,0,2,0,2,1,0,0}\rho_3^2\rho_4^4\cos(2\phi_3 + 2\phi_4)-$$

$$b^r_{0,0,0,0,2,1,0,0,-2,0}\rho_3^4\rho_5^2\cos(2\phi_3 - 2\phi_5) - b^r_{0,0,0,0,2,1,2,0,0,0}\rho_3^4\rho_4^2\cos(2\phi_3 + 2\phi_4)-$$

$$b^r_{0,0,0,0,4,0,0,0,0,1}\rho_3^4\rho_5^2\cos(4\phi_3) - b^r_{0,0,0,0,4,0,0,1,0,0}\rho_3^4\rho_4^2\cos(4\phi_3)-$$

$$b^r_{0,0,0,0,4,1,0,0,0,0}\rho_3^6\cos(4\phi_3) - b^r_{0,0,0,1,-2,0,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3)-$$

$b^r_{0,0,0,1,-2,0,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3) - b^r_{0,0,0,1,-2,1,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_3)-$

$b^r_{0,0,0,1,0,0,-2,0,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4) - b^r_{0,0,0,1,0,0,-2,1,0,0}\rho_2^2\rho_4^4\cos(2\phi_4)-$

$b^r_{0,0,0,1,0,0,0,0,-4,0}\rho_2^2\rho_5^4\cos(4\phi_5) - b^r_{0,0,0,1,0,0,0,0,2,1}\rho_2^2\rho_5^4\cos(2\phi_5)-$

$b^r_{0,0,0,1,0,0,0,1,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,1,0,0,2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5)-$

$b^r_{0,0,0,1,0,0,4,0,0,0}\rho_2^2\rho_4^4\cos(4\phi_4) - b^r_{0,0,0,1,0,1,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_4)-$

$b^r_{0,0,0,1,0,1,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_5) - b^r_{0,0,0,1,2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_3 - 2\phi_5)-$

$b^r_{0,0,0,1,2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_3 + 2\phi_4) - b^r_{0,0,0,1,4,0,0,0,0,0}\rho_2^2\rho_3^4\cos(4\phi_3)-$

$b^r_{0,0,0,2,-2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_3) - b^r_{0,0,0,2,0,0,-2,0,0,0}\rho_2^4\rho_4^2\cos(2\phi_4)-$

$b^r_{0,0,0,2,0,0,0,0,2,0}\rho_2^4\rho_5^2\cos(2\phi_5) - b^r_{0,0,1,0,-1,0,-1,0,-1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(-\phi_2 + \phi_3 + \phi_4 +$

$\phi_5) - b^r_{0,0,1,0,-1,0,-1,1,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,-1,0,1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,-1,0,1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,-1,1,-1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,-1,1,1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,-3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 - 3\phi_3 + \phi_4 - \phi_5)-$

$b^r_{0,0,1,0,1,0,-1,0,1,1}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,1,0,-1,1,1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,1,0,-3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 - 3\phi_4 - \phi_5)-$

$b^r_{0,0,1,0,1,0,1,0,-3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 + \phi_4 - 3\phi_5)-$

$b^r_{0,0,1,0,1,0,1,0,3,0}\rho_2\rho_3\rho_4\rho_5^3\cos(\phi_2 + \phi_3 + \phi_4 + 3\phi_5)-$

$b^r_{0,0,1,0,1,0,3,0,-1,0}\rho_2\rho_3\rho_4^3\rho_5\cos(\phi_2 + \phi_3 + 3\phi_4 - \phi_5)-$

$b^r_{0,0,1,0,1,1,-1,0,1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$

$b^r_{0,0,1,0,3,0,1,0,-1,0}\rho_2\rho_3^3\rho_4\rho_5\cos(\phi_2 + 3\phi_3 + \phi_4 - \phi_5)-$

$b^r_{0,0,1,1,-1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,1,-1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,0,1,1,1,0,-1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5) - b^r_{0,0,2,0,-2,0,0,0,-2,0}\rho_2^2\rho_3^2\rho_5^2\cos(-$

$2\phi_2 + 2\phi_3 + 2\phi_5) - b^r_{0,0,2,0,-2,0,2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 - 2\phi_3 + 2\phi_4)-$

$b^r_{0,0,2,0,0,0,-2,0,-2,0}\rho_2^2\rho_4^2\rho_5^2\cos(-2\phi_2 + 2\phi_4 + 2\phi_5) - b^r_{0,0,2,0,0,0,0,0,0,2}\rho_2^2\rho_5^4\cos(2\phi_2)-$

$b^r_{0,0,2,0,0,0,0,1,0,1}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2) - b^r_{0,0,2,0,0,0,0,2,0,0}\rho_2^2\rho_4^4\cos(2\phi_2)-$

$b^r_{0,0,2,0,0,0,2,0,2,0}\rho_2^2\rho_4^2\rho_5^2\cos(2\phi_2 + 2\phi_4 + 2\phi_5)-$

$b^r_{0,0,2,0,0,1,0,0,0,1}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2) - b^r_{0,0,2,0,0,1,0,1,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2)-$

$b^r_{0,0,2,0,0,2,0,0,0,0}\rho_2^2\rho_3^4\cos(2\phi_2) - b^r_{0,0,2,0,2,0,-2,0,0,0}\rho_2^2\rho_3^2\rho_4^2\cos(2\phi_2 + 2\phi_3 - 2\phi_4)-$

$b^r_{0,0,2,0,2,0,0,0,2,0}\rho_2^2\rho_3^2\rho_5^2\cos(2\phi_2 + 2\phi_3 + 2\phi_5) - b^r_{0,0,2,1,0,0,0,0,0,1}\rho_2^4\rho_5^2\cos(2\phi_2)-$

$b^r_{0,0,2,1,0,0,0,1,0,0}\rho_2^4\rho_4^2\cos(2\phi_2) - b^r_{0,0,2,1,0,1,0,0,0,0}\rho_2^4\rho_3^2\cos(2\phi_2)-$

$b^r_{0,0,2,2,0,0,0,0,0,0}\rho_2^6\cos(2\phi_2) - b^r_{0,0,3,0,-1,0,1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 - \phi_3 + \phi_4 - \phi_5)-$

$b^r_{0,0,3,0,1,0,-1,0,-1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3 - \phi_4 - \phi_5)-$

$b^r_{0,0,3,0,1,0,1,0,1,0}\rho_2^3\rho_3\rho_4\rho_5\cos(3\phi_2 + \phi_3 + \phi_4 + \phi_5) - b^r_{0,0,4,0,0,0,0,0,-2,0}\rho_2^4\rho_5^2\cos(4\phi_2 -$

$2\phi_5) - b^r_{0,0,4,0,0,0,2,0,0,0}\rho_2^4\rho_4^2\cos(4\phi_2 + 2\phi_4) - b^r_{0,0,4,0,2,0,0,0,0,0}\rho_2^4\rho_3^2\cos(4\phi_2 + 2\phi_3)-$

$b^r_{0,1,-1,0,-1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 + \phi_4 - \phi_5)-$

$b^r_{0,1,-1,0,1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 - \phi_4 + \phi_5)-$

$b^r_{0,1,-2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2 + 2\phi_5) - b^r_{0,1,-2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2 -$

$2\phi_4) - b^r_{0,1,-2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2 - 2\phi_3) - b^r_{0,1,-4,0,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(4\phi_2)-$

$b^r_{0,1,0,0,-2,0,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3) - b^r_{0,1,0,0,-2,0,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3)-$

$b^r_{0,1,0,0,-2,1,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_3) - b^r_{0,1,0,0,0,0,-2,0,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4)-$

$b^r_{0,1,0,0,0,0,-2,1,0,0}\rho_1^2\rho_4^4\cos(2\phi_4) - b^r_{0,1,0,0,0,0,0,0,-4,0}\rho_1^2\rho_5^4\cos(4\phi_5)-$

$b^r_{0,1,0,0,0,0,0,0,2,1}\rho_1^2\rho_5^4\cos(2\phi_5) - b^r_{0,1,0,0,0,0,0,1,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_5)-$

$b^r_{0,1,0,0,0,0,2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_4 - 2\phi_5) - b^r_{0,1,0,0,0,0,4,0,0,0}\rho_1^2\rho_4^4\cos(4\phi_4)-$

$b^r_{0,1,0,0,0,1,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_4) - b^r_{0,1,0,0,0,1,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_5)-$

$b^r_{0,1,0,0,2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_3 - 2\phi_5) - b^r_{0,1,0,0,2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_3 +$

$2\phi_4) - b^r_{0,1,0,0,4,0,0,0,0,0}\rho_1^2\rho_3^4\cos(4\phi_3) - b^r_{0,1,0,1,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_3)-$

$b^r_{0,1,0,1,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_4) - b^r_{0,1,0,1,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_5)-$

$b^r_{0,1,1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-\phi_2 + \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,1,1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{0,1,1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(\phi_2 + \phi_3 - \phi_4 + \phi_5)-$

$b^r_{0,1,2,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_2) - b^r_{0,1,2,0,0,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_2)-$

$b^r_{0,1,2,0,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_2) - b^r_{0,1,2,1,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_2)-$

$b^r_{0,2,0,0,-2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_3) - b^r_{0,2,0,0,0,0,-2,0,0,0}\rho_1^4\rho_4^2\cos(2\phi_4)-$

$b^r_{0,2,0,0,0,0,0,0,2,0}\rho_1^4\rho_5^2\cos(2\phi_5) - b^r_{0,2,2,0,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_2)-$

$b^r_{1,0,-1,0,-2,0,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(-\phi_1 + \phi_2 + 2\phi_3)-$

$b^r_{1,0,-1,0,-2,0,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(-\phi_1 + \phi_2 + 2\phi_3) - b^r_{1,0,-1,0,-2,1,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(-$

$\phi_1 + \phi_2 + 2\phi_3) - b^r_{1,0,-1,0,0,0,-2,0,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(-\phi_1 + \phi_2 + 2\phi_4)-$

$b^r_{1,0,-1,0,0,0,-2,1,0,0}\rho_1\rho_2\rho_4^4\cos(-\phi_1 + \phi_2 + 2\phi_4) - b^r_{1,0,-1,0,0,0,0,0,-4,0}\rho_1\rho_2\rho_5^4\cos(-\phi_1 + \phi_2 +$

$4\phi_5) - b^r_{1,0,-1,0,0,0,0,0,2,1}\rho_1\rho_2\rho_5^4\cos(\phi_1 - \phi_2 + 2\phi_5)-$

$b^r_{1,0,-1,0,0,0,0,1,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1 - \phi_2 + 2\phi_5)-$

$b^r_{1,0,-1,0,0,0,2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1 - \phi_2 + 2\phi_4 - 2\phi_5)-$

$b^r_{1,0,-1,0,0,0,4,0,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1 - \phi_2 + 4\phi_4) - b^r_{1,0,-1,0,0,1,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(-\phi_1 +$

$\phi_2 + 2\phi_4) - b^r_{1,0,-1,0,0,1,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1 - \phi_2 + 2\phi_5)-$

$b^r_{1,0,-1,0,2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1 - \phi_2 + 2\phi_3 - 2\phi_5)-$

$b^r_{1,0,-1,0,2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1 - \phi_2 + 2\phi_3 + 2\phi_4)-$

$b^r_{1,0,-1,0,4,0,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1 - \phi_2 + 4\phi_3) - b^r_{1,0,-1,1,-2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(-\phi_1 + \phi_2 +$

$2\phi_3) - b^r_{1,0,-1,1,0,0,-2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(-\phi_1 + \phi_2 + 2\phi_4)-$

$b^r_{1,0,-1,1,0,0,0,0,2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1 - \phi_2 + 2\phi_5) - b^r_{1,0,-2,0,-1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-$

$\phi_1 + 2\phi_2 + \phi_3 + \phi_4 - \phi_5) - b^r_{1,0,-2,0,1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1 - 2\phi_2 + \phi_3 + \phi_4 -$

$\phi_5) - b^r_{1,0,-3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(-\phi_1 + 3\phi_2 + 2\phi_5)-$

$b^r_{1,0,-3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1 - 3\phi_2 + 2\phi_4) - b^r_{1,0,-3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1 -$

$3\phi_2 + 2\phi_3) - b^r_{1,0,-5,0,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1 - 5\phi_2) - b^r_{1,0,0,0,-1,0,-1,0,-1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(-$

$\phi_1 + \phi_3 + \phi_4 + \phi_5) - b^r_{1,0,0,0,-1,0,-1,1,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$

$b^r_{1,0,0,0,-1,0,1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{1,0,0,0,-1,0,1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{1,0,0,0,-1,1,-1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(-\phi_1 + \phi_3 + \phi_4 + \phi_5)-$

$b^r_{1,0,0,0,-1,1,1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1 - \phi_3 + \phi_4 + \phi_5)-$

$b^r_{1,0,0,0,-3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1 - 3\phi_3 + \phi_4 - \phi_5)-$

$b^r_{1,0,0,0,1,0,-1,0,1,1}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$

$b^r_{1,0,0,0,1,0,-1,1,1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1 + \phi_3 - \phi_4 + \phi_5)-$

$$b^r_{1,0,0,0,1,0,-3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3-3\phi_4-\phi_5)-$$
$$b^r_{1,0,0,0,1,0,1,0,-3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4-3\phi_5)-$$
$$b^r_{1,0,0,0,1,0,1,0,3,0}\rho_1\rho_3\rho_4\rho_5^3\cos(\phi_1+\phi_3+\phi_4+3\phi_5)-$$
$$b^r_{1,0,0,0,1,0,3,0,-1,0}\rho_1\rho_3\rho_4^3\rho_5\cos(\phi_1+\phi_3+3\phi_4-\phi_5)-$$
$$b^r_{1,0,0,0,1,1,-1,0,1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)-$$
$$b^r_{1,0,0,0,3,0,1,0,-1,0}\rho_1\rho_3^3\rho_4\rho_5\cos(\phi_1+3\phi_3+\phi_4-\phi_5)-$$
$$b^r_{1,0,0,1,-1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,0,0,1,-1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,0,0,1,1,0,-1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)-$$
$$b^r_{1,0,1,0,-2,0,0,0,-2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_3-2\phi_5)-$$
$$b^r_{1,0,1,0,-2,0,2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2-2\phi_3+2\phi_4)-$$
$$b^r_{1,0,1,0,0,0,-2,0,-2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2-2\phi_4-2\phi_5)-$$
$$b^r_{1,0,1,0,0,0,0,0,0,2}\rho_1\rho_2\rho_5^4\cos(\phi_1+\phi_2)-b^r_{1,0,1,0,0,0,0,0,1,0,1}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2)-$$
$$b^r_{1,0,1,0,0,0,0,2,0,0}\rho_1\rho_2\rho_4^4\cos(\phi_1+\phi_2)-b^r_{1,0,1,0,0,0,2,0,2,0}\rho_1\rho_2\rho_4^2\rho_5^2\cos(\phi_1+\phi_2+$$
$$2\phi_4+2\phi_5)-b^r_{1,0,1,0,0,1,0,0,0,1}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2)-$$
$$b^r_{1,0,1,0,0,1,0,1,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2)-b^r_{1,0,1,0,0,2,0,0,0,0}\rho_1\rho_2\rho_3^4\cos(\phi_1+\phi_2)-$$
$$b^r_{1,0,1,0,2,0,-2,0,0,0}\rho_1\rho_2\rho_3^2\rho_4^2\cos(\phi_1+\phi_2+2\phi_3-2\phi_4)-$$
$$b^r_{1,0,1,0,2,0,0,0,2,0}\rho_1\rho_2\rho_3^2\rho_5^2\cos(\phi_1+\phi_2+2\phi_3+2\phi_5)-$$
$$b^r_{1,0,1,1,0,0,0,0,0,1}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+\phi_2)-b^r_{1,0,1,1,0,0,0,1,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+\phi_2)-$$
$$b^r_{1,0,1,1,0,1,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+\phi_2)-b^r_{1,0,1,2,0,0,0,0,0,0}\rho_1\rho_2^5\cos(\phi_1+\phi_2)-$$
$$b^r_{1,0,2,0,-1,0,1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2-\phi_3+\phi_4-\phi_5)-$$
$$b^r_{1,0,2,0,1,0,-1,0,-1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3-\phi_4-\phi_5)-$$
$$b^r_{1,0,2,0,1,0,1,0,1,0}\rho_1\rho_2^2\rho_3\rho_4\rho_5\cos(\phi_1+2\phi_2+\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,0,3,0,0,0,0,0,-2,0}\rho_1\rho_2^3\rho_5^2\cos(\phi_1+3\phi_2-2\phi_5)-b^r_{1,0,3,0,0,0,2,0,0,0}\rho_1\rho_2^3\rho_4^2\cos(\phi_1+$$
$$3\phi_2+2\phi_4)-b^r_{1,0,3,0,2,0,0,0,0,0}\rho_1\rho_2^3\rho_3^2\cos(\phi_1+3\phi_2+2\phi_3)-$$
$$b^r_{1,1,-1,0,-2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(-\phi_1+\phi_2+2\phi_3)-b^r_{1,1,-1,0,0,0,-2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(-\phi_1+$$
$$\phi_2+2\phi_4)-b^r_{1,1,-1,0,0,0,0,0,2,0}\rho_1^3\rho_2\rho_5^2\cos(\phi_1-\phi_2+2\phi_5)-$$
$$b^r_{1,1,0,0,-1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(-\phi_1+\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,1,0,0,-1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1-\phi_3+\phi_4+\phi_5)-$$
$$b^r_{1,1,0,0,1,0,-1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(\phi_1+\phi_3-\phi_4+\phi_5)-$$
$$b^r_{1,1,1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(\phi_1+\phi_2)-b^r_{1,1,1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(\phi_1+\phi_2)-$$
$$b^r_{1,1,1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(\phi_1+\phi_2)-b^r_{1,1,1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(\phi_1+\phi_2)-$$
$$b^r_{1,2,1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(\phi_1+\phi_2)-b^r_{2,0,-1,0,-1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(-2\phi_1+\phi_2+$$
$$\phi_3+\phi_4+\phi_5)-b^r_{2,0,-1,0,-1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2-\phi_3+\phi_4+\phi_5)-$$
$$b^r_{2,0,-1,0,1,0,-1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1-\phi_2+\phi_3-\phi_4+\phi_5)-$$
$$b^r_{2,0,-2,0,-2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(-2\phi_1+2\phi_2+2\phi_3)-b^r_{2,0,-2,0,0,0,-2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(-$$
$$2\phi_1+2\phi_2+2\phi_4)-b^r_{2,0,-2,0,0,0,0,0,2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1-2\phi_2+2\phi_5)-$$
$$b^r_{2,0,0,0,-2,0,0,0,-2,0}\rho_1^2\rho_3^2\rho_5^2\cos(-2\phi_1+2\phi_3+2\phi_5)-$$
$$b^r_{2,0,0,0,-2,0,2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1-2\phi_3+2\phi_4)-b^r_{2,0,0,0,0,0,-2,0,-2,0}\rho_1^2\rho_4^2\rho_5^2\cos(-$$
$$2\phi_1+2\phi_4+2\phi_5)-b^r_{2,0,0,0,0,0,0,0,0,2}\rho_1^2\rho_5^4\cos(2\phi_1)-$$
$$b^r_{2,0,0,0,0,0,0,1,0,1}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1)-b^r_{2,0,0,0,0,0,0,2,0,0}\rho_1^2\rho_4^4\cos(2\phi_1)-$$
$$b^r_{2,0,0,0,0,0,2,0,2,0}\rho_1^2\rho_4^2\rho_5^2\cos(2\phi_1+2\phi_4+2\phi_5)-$$

$$b^r_{2,0,0,0,0,0,1,0,0,0,1}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1) - b^r_{2,0,0,0,0,0,1,0,1,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1)-$$

$$b^r_{2,0,0,0,0,0,2,0,0,0,0}\rho_1^2\rho_3^4\cos(2\phi_1) - b^r_{2,0,0,0,0,2,0,-2,0,0,0}\rho_1^2\rho_3^2\rho_4^2\cos(2\phi_1 + 2\phi_3 - 2\phi_4)-$$

$$b^r_{2,0,0,0,0,2,0,0,0,2,0}\rho_1^2\rho_3^2\rho_5^2\cos(2\phi_1 + 2\phi_3 + 2\phi_5)-$$

$$b^r_{2,0,0,1,0,0,0,0,0,0,1}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1) - b^r_{2,0,0,1,0,0,0,1,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1)-$$

$$b^r_{2,0,0,1,0,1,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1) - b^r_{2,0,0,2,0,0,0,0,0,0}\rho_1^2\rho_2^4\cos(2\phi_1)-$$

$$b^r_{2,0,1,0,-1,0,1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1 + \phi_2 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,1,0,-1,0,-1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1 + \phi_2 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{2,0,1,0,1,0,1,0,1,0}\rho_1^2\rho_2\rho_3\rho_4\rho_5\cos(2\phi_1 + \phi_2 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{2,0,2,0,0,0,0,0,-2,0}\rho_1^2\rho_2^2\rho_5^2\cos(2\phi_1 + 2\phi_2 - 2\phi_5)-$$

$$b^r_{2,0,2,0,0,0,2,0,0,0}\rho_1^2\rho_2^2\rho_4^2\cos(2\phi_1 + 2\phi_2 + 2\phi_4)-$$

$$b^r_{2,0,2,0,2,0,0,0,0,0}\rho_1^2\rho_2^2\rho_3^2\cos(2\phi_1 + 2\phi_2 + 2\phi_3) - b^r_{2,1,0,0,0,0,0,0,0,1}\rho_1^4\rho_5^2\cos(2\phi_1)-$$

$$b^r_{2,1,0,0,0,0,0,1,0,0}\rho_1^4\rho_4^2\cos(2\phi_1) - b^r_{2,1,0,0,0,1,0,0,0,0}\rho_1^4\rho_3^2\cos(2\phi_1)-$$

$$b^r_{2,1,0,1,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(2\phi_1) - b^r_{2,2,0,0,0,0,0,0,0,0}\rho_1^6\cos(2\phi_1)-$$

$$b^r_{3,0,-1,0,0,0,0,0,0,1}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1 - \phi_2) - b^r_{3,0,-1,0,0,0,0,1,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1 - \phi_2)-$$

$$b^r_{3,0,-1,0,0,1,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1 - \phi_2) - b^r_{3,0,-1,1,0,0,0,0,0,0}\rho_1^3\rho_2^3\cos(3\phi_1 - \phi_2)-$$

$$b^r_{3,0,0,0,-1,0,1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 - \phi_3 + \phi_4 - \phi_5)-$$

$$b^r_{3,0,0,0,1,0,-1,0,-1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 + \phi_3 - \phi_4 - \phi_5)-$$

$$b^r_{3,0,0,0,1,0,1,0,1,0}\rho_1^3\rho_3\rho_4\rho_5\cos(3\phi_1 + \phi_3 + \phi_4 + \phi_5)-$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}\rho_1^3\rho_2\rho_5^2\cos(3\phi_1 + \phi_2 - 2\phi_5) - b^r_{3,0,1,0,0,0,2,0,0,0}\rho_1^3\rho_2\rho_4^2\cos(3\phi_1 + \phi_2 + 2\phi_4) - b^r_{3,0,1,0,2,0,0,0,0,0}\rho_1^3\rho_2\rho_3^2\cos(3\phi_1 + \phi_2 + 2\phi_3)-$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}\rho_1^5\rho_2\cos(3\phi_1 - \phi_2) - b^r_{4,0,-2,0,0,0,0,0,0,0}\rho_1^4\rho_2^2\cos(4\phi_1 - 2\phi_2)-$$

$$b^r_{4,0,0,0,0,0,0,0,-2,0}\rho_1^4\rho_5^2\cos(4\phi_1 - 2\phi_5) - b^r_{4,0,0,0,0,0,0,2,0,0}\rho_1^4\rho_4^2\cos(4\phi_1 + 2\phi_4)-$$

$$b^r_{4,0,0,0,2,0,0,0,0,0}\rho_1^4\rho_3^2\cos(4\phi_1 + 2\phi_3)$$

Cartesian e-coordinates:

$$
\begin{aligned}
H^{(6)}_{XX} =\; & a^r_{0,0,0,0,0,0,0,0,0,0,3}(x_5^2 + y_5^2)^3 + a^r_{0,0,0,0,0,0,0,0,0,6,0}(x_5 - y_5)(x_5 + y_5)(x_5^2 - 4x_5y_5 + y_5^2)(x_5^2 + 4x_5y_5 + y_5^2)+ \\
& a^r_{0,0,0,0,0,0,0,0,1,0,2}(x_4^2 + y_4^2)(x_5^2 + y_5^2)^2 + a^r_{0,0,0,0,0,0,0,0,2,0,1}(x_4^2 + y_4^2)^2(x_5^2 + y_5^2)+ \\
& a^r_{0,0,0,0,0,0,0,0,3,0,0}(x_4^2 + y_4^2)^3 + a^r_{0,0,0,0,0,0,2,0,-4,0,0}(x_4(x_5^2 - 2x_5y_5 - y_5^2) + y_4(x_5^2 + 2x_5y_5- \\
& y_5^2))(x_4(x_5^2 + 2x_5y_5 - y_5^2) + y_4(-x_5^2 + 2x_5y_5 + y_5^2)) + a^r_{0,0,0,0,0,0,2,0,2,0,1}(x_5^2 + y_5^2)(x_4(x_5 - y_5) + y_4(- \\
& x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,0,0,0,0,0,2,1,2,0}(x_4^2 + y_4^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5)+ \\
& y_4(x_5 - y_5)) + a^r_{0,0,0,0,0,0,4,0,-2,0}(x_4(-2x_5y_4 + 2y_4y_5) + x_5(x_4^2 - y_4^2) + y_5(x_4^2 - y_4^2))(x_4(2x_5y_4+ \\
& 2y_4y_5) + x_5(x_4^2 - y_4^2) + y_5(-x_4^2 + y_4^2)) + a^r_{0,0,0,0,0,0,6,0,0,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 - 4x_4y_4 + y_4^2)(x_4^2+ \\
& 4x_4y_4 + y_4^2) + a^r_{0,0,0,0,0,1,0,0,0,2}(x_3^2 + y_3^2)(x_5^2 + y_5^2)^2 + a^r_{0,0,0,0,0,1,0,1,0,1}(x_3^2 + y_3^2)(x_4^2+ \\
& y_4^2)(x_5^2 + y_5^2) + a^r_{0,0,0,0,0,1,0,2,0,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)^2 + a^r_{0,0,0,0,0,1,2,0,2,0}(x_3^2 + y_3^2)(x_4(x_5 - y_5)+ \\
& y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,0,0,0,0,2,0,0,0,1}(x_3^2 + y_3^2)^2(x_5^2 + y_5^2) + a^r_{0,0,0,0,0,2,0,1,0,0}(x_3^2+ \\
& y_3^2)^2(x_4^2 + y_4^2) + a^r_{0,0,0,0,0,3,0,0,0,0}(x_3^2 + y_3^2)^3 + a^r_{0,0,0,0,2,0,-2,0,0,1}(x_5^2 + y_5^2)(x_3(x_4 - y_4) + y_3(x_4+ \\
& y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,0,2,0,-2,1,0,0}(x_4^2 + y_4^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(- \\
& x_4 + y_4)) + a^r_{0,0,0,0,2,0,0,0,-4,0}(x_3(x_5^2 - 2x_5y_5 - y_5^2) + y_3(x_5^2 + 2x_5y_5 - y_5^2))(x_3(x_5^2 + 2x_5y_5 - y_5^2)+ \\
& y_3(-x_5^2 + 2x_5y_5 + y_5^2)) + a^r_{0,0,0,0,2,0,0,0,2,1}(x_5^2 + y_5^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5- \\
& y_5)) + a^r_{0,0,0,0,2,0,0,1,2,0}(x_4^2 + y_4^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5))+ \\
& a^r_{0,0,0,0,2,0,2,0,-2,0}(x_3(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_3(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5))(x_3(x_4x_5 + x_4y_5- \\
& x_5y_4 + y_4y_5) + y_3(-x_4x_5 + x_4y_5 - x_5y_4 - y_4y_5)) + a^r_{0,0,0,0,2,0,4,0,0,0}(x_3(x_4^2 - 2x_4y_4 - y_4^2) + y_3(-x_4^2-
\end{aligned}
$$

$$2x_4y_4 + y_4^2))(x_3(x_4^2 + 2x_4y_4 - y_4^2) + y_3(x_4^2 - 2x_4y_4 - y_4^2)) + a_{0,0,0,0,2,1,-2,0,0,0}^r(x_3^2 + y_3^2)(x_3(x_4 -$$
$$y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a_{0,0,0,0,2,1,0,0,2,0}^r(x_3^2 + y_3^2)(x_3(x_5 - y_5) + y_3(-x_5 -$$
$$y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a_{0,0,0,0,4,0,0,0,-2,0}^r(x_3(-2x_5y_3 + 2y_3y_5) + x_5(x_3^2 - y_3^2) + y_5(x_3^2 -$$
$$y_3^2))(x_3(2x_5y_3 + 2y_3y_5) + x_5(x_3^2 - y_3^2) + y_5(-x_3^2 + y_3^2)) + a_{0,0,0,0,4,0,2,0,0,0}^r(x_3(-2x_4y_3 - 2y_3y_4) +$$
$$x_4(x_3^2 - y_3^2) + y_4(-x_3^2 + y_3^2))(x_3(2x_4y_3 - 2y_3y_4) + x_4(x_3^2 - y_3^2) + y_4(x_3^2 - y_3^2)) +$$
$$a_{0,0,0,0,6,0,0,0,0,0}^r(x_3 - y_3)(x_3 + y_3)(x_3^2 - 4x_3y_3 + y_3^2)(x_3^2 + 4x_3y_3 + y_3^2) + a_{0,0,0,1,0,0,0,0,0,2}^r(x_2^2 +$$
$$y_2^2)(x_5^2 + y_5^2)^2 + a_{0,0,0,1,0,0,0,1,0,1}^r(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a_{0,0,0,1,0,0,0,2,0,0}^r(x_2^2 +$$
$$y_2^2)(x_4^2 + y_4^2)^2 + a_{0,0,0,1,0,0,2,0,2,0}^r(x_2^2 + y_2^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) +$$
$$a_{0,0,0,1,0,1,0,0,0,1}^r(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) + a_{0,0,0,1,0,1,0,1,0,0}^r(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_4^2 +$$
$$y_4^2) + a_{0,0,0,1,0,2,0,0,0,0}^r(x_2^2 + y_2^2)(x_3^2 + y_3^2)^2 + a_{0,0,0,1,2,0,-2,0,0,0}^r(x_2^2 + y_2^2)(x_3(x_4 - y_4) + y_3(x_4 +$$
$$y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a_{0,0,0,1,2,0,0,0,2,0}^r(x_2^2 + y_2^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) +$$
$$y_3(x_5 - y_5)) + a_{0,0,0,2,0,0,0,0,0,1}^r(x_2^2 + y_2^2)^2(x_5^2 + y_5^2) + a_{0,0,0,2,0,0,0,1,0,0}^r(x_2^2 + y_2^2)^2(x_4^2 + y_4^2) +$$
$$a_{0,0,0,2,0,1,0,0,0,0}^r(x_2^2 + y_2^2)^2(x_3^2 + y_3^2) + a_{0,0,0,3,0,0,0,0,0,0}^r(x_2^2 + y_2^2)^3 +$$
$$a_{0,0,1,0,-1,0,-1,0,-3,0}^r(x_2(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 - 3x_3x_5^2y_4y_5 + x_3y_4y_5^3 - 3x_4x_5^2y_3y_5 +$$
$$x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_2(3x_3x_4x_5^2y_5 - x_3x_4y_5^3 + x_3x_5^3y_4 -$$
$$3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 - 3x_5^2y_3y_4y_5 + y_3y_4y_5^3)) +$$
$$a_{0,0,1,0,-1,0,-1,0,3,0}^r(x_2(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 + 3x_3x_5^2y_4y_5 - x_3y_4y_5^3 + 3x_4x_5^2y_3y_5 -$$
$$x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_2(-3x_3x_4x_5^2y_5 + x_3x_4y_5^3 + x_3x_5^3y_4 -$$
$$3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 + 3x_5^2y_3y_4y_5 - y_3y_4y_5^3)) +$$
$$a_{0,0,1,0,-1,0,-3,0,1,0}^r(x_2(x_3x_4^3x_5 + 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 - x_3y_4^3y_5 + x_4^3y_3y_5 -$$
$$3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 + 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 -$$
$$x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 - y_3y_4^3y_5)) + a_{0,0,1,0,-1,0,1,0,-1,1}^r(x_5^2 +$$
$$y_5^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$$
$$a_{0,0,1,0,-1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 +$$
$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,-1,0,3,0,1,0}^r(x_2(x_3x_4^3x_5 - 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5 +$$
$$x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 - x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4 +$$
$$3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 - 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 + y_3y_4^3y_5)) +$$
$$a_{0,0,1,0,-1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 +$$
$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,-3,0,-1,0,1,0}^r(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 + 3x_3^2x_4y_3y_5 - 3x_3^2x_5y_3y_4 -$$
$$3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 - x_4y_3^3y_5 + x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 + x_3^3x_5y_4 +$$
$$3x_3^2x_4x_5y_3 + 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 - x_4x_5y_3^3 - y_3^3y_4y_5)) +$$
$$a_{0,0,1,0,1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 -$$
$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) +$$
$$y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 -$$
$$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,0,1,1,1,0}^r(x_4^2 +$$
$$y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$
$$a_{0,0,1,0,1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 -$$
$$x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-$$
$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{0,0,1,0,3,0,-1,0,1,0}^r(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 - 3x_3^2x_4y_3y_5 +$$
$$3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 + x_4y_3^3y_5 - x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 +$$
$$x_3^3x_5y_4 - 3x_3^2x_4x_5y_3 - 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 + x_4x_5y_3^3 +$$
$$y_3^3y_4y_5)) + a_{0,0,1,1,-1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 -$$

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$$x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,1,1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 +$$

$$x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,1,1,0,1,0,1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5 -$$

$$x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$

$$a^r_{0,0,2,0,-2,0,-2,0,0,0}(x_2(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4) + y_2(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_2(x_3x_4 + x_3y_4 +$$

$$x_4y_3 - y_3y_4) + y_2(-x_3x_4 + x_3y_4 + x_4y_3 + y_3y_4)) + a^r_{0,0,2,0,-2,0,0,0,2,0}(x_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) + y_2(-$$

$$x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_2(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + y_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)) +$$

$$a^r_{0,0,2,0,-4,0,0,0,0,0}(x_2(x_3^2 - 2x_3y_3 - y_3^2) + y_2(x_3^2 + 2x_3y_3 - y_3^2))(x_2(x_3^2 + 2x_3y_3 - y_3^2) + y_2(-x_3^2 +$$

$$2x_3y_3 + y_3^2)) + a^r_{0,0,2,0,0,0,0,-2,0,2,0}(x_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_2(-x_4x_5 - x_4y_5 + x_5y_4 -$$

$$y_4y_5))(x_2(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)) + a^r_{0,0,2,0,0,0,-4,0,0,0}(x_2(x_4^2 -$$

$$2x_4y_4 - y_4^2) + y_2(x_4^2 + 2x_4y_4 - y_4^2))(x_2(x_4^2 + 2x_4y_4 - y_4^2) + y_2(-x_4^2 + 2x_4y_4 + y_4^2)) +$$

$$a^r_{0,0,2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) +$$

$$a^r_{0,0,2,0,0,0,0,0,4,0}(x_2(x_5^2 - 2x_5y_5 - y_5^2) + y_2(-x_5^2 - 2x_5y_5 + y_5^2))(x_2(x_5^2 + 2x_5y_5 - y_5^2) + y_2(x_5^2 -$$

$$2x_5y_5 - y_5^2)) + a^r_{0,0,2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) +$$

$$a^r_{0,0,2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,0,0,2,1,0,0}(x_4^2 +$$

$$y_4^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2(x_5 - y_5) +$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,0,2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 +$$

$$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) +$$

$$a^r_{0,0,2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,0,2,0,2,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,0,2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2(x_5 - y_5) +$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,0,2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 +$$

$$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) +$$

$$a^r_{0,0,3,0,-1,0,-1,0,1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) +$$

$$x_3(x_2^3x_4x_5 + x_2^3y_4y_5 + x_4y_2^3y_5 - x_5y_2^3y_4) + y_2(-3x_2^2x_3x_4y_5 + 3x_2^2x_3x_5y_4 +$$

$$3x_2^2x_4x_5y_3 + 3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 - x_4x_5y_2^3 - y_2^3y_4y_5)) +$$

$$a^r_{0,0,3,0,1,0,1,0,-1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) + x_3(x_2^3x_4x_5 +$$

$$x_2^3y_4y_5 - x_4y_2^3y_5 + x_5y_2^3y_4) + y_2(3x_2^2x_3x_4y_5 - 3x_2^2x_3x_5y_4 - 3x_2^2x_4x_5y_3 -$$

$$3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 + x_4x_5y_2^3 + y_2^3y_4y_5)) + a^r_{0,0,4,0,-2,0,0,0,0,0}(x_2(-2x_3y_2 +$$

$$2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(x_2^2 - y_2^2))(x_2(2x_3y_2 + 2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(-x_2^2 + y_2^2)) +$$

$$a^r_{0,0,4,0,0,0,-2,0,0,0}(x_2(-2x_4y_2 + 2y_2y_4) + x_4(x_2^2 - y_2^2) + y_4(x_2^2 - y_2^2))(x_2(2x_4y_2 + 2y_2y_4) + x_4(x_2^2 -$$

$$y_2^2) + y_4(-x_2^2 + y_2^2)) + a^r_{0,0,4,0,0,0,0,0,0,2,0}(x_2(-2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(-x_2^2 +$$

$$y_2^2))(x_2(2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(x_2^2 - y_2^2)) + a^r_{0,0,6,0,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 -$$

$$4x_2y_2 + y_2^2)(x_2^2 + 4x_2y_2 + y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,2}(x_1^2 + y_1^2)(x_5^2 + y_5^2)^2 + a^r_{0,1,0,0,0,0,0,1,0,1}(x_1^2 +$$

$$y_1^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,0,0,2,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)^2 + a^r_{0,1,0,0,0,0,2,0,2,0}(x_1^2 +$$

$$y_1^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,1,0,0,0,1,0,0,0,1}(x_1^2 + y_1^2)(x_3^2 +$$

$$y_3^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,1,0,1,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,1,0,0,0,2,0,0,0,0}(x_1^2 +$$

$$y_1^2)(x_3^2 + y_3^2)^2 + a^r_{0,1,0,0,2,0,-2,0,0,0}(x_1^2 + y_1^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) +$$

$$a^r_{0,1,0,0,2,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,1,0,1,0,0,0,0,0,1}(x_1^2 +$$

$$y_1^2)(x_2^2 + y_2^2)(x_5^2 + y_5^2) + a^r_{0,1,0,1,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_4^2 + y_4^2) +$$

$$a^r_{0,1,0,1,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + a^r_{0,1,0,2,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)^2 +$$

$$a^r_{0,1,1,0,-1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 +$$

$$x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) +$$

$$y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,1,0,1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 -$$

$$x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,2,0,0,0,0,0,-2,0}(x_1^2 +$$

$$y_1^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,1,2,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2(x_4 - y_4) + y_2(-$$

$$x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,1,2,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) +$$

$$y_2(x_3 - y_3)) + a^r_{0,2,0,0,0,0,0,0,0,0,1}(x_1^2 + y_1^2)^2(x_5^2 + y_5^2) + a^r_{0,2,0,0,0,0,0,0,1,0,0}(x_1^2 + y_1^2)^2(x_4^2 + y_4^2)+$$

$$a^r_{0,2,0,0,0,1,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_3^2 + y_3^2) + a^r_{0,2,0,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_2^2 + y_2^2)+$$

$$a^r_{0,3,0,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^3 + a^r_{1,0,-1,0,-2,0,0,0,-2,0}(x_1(x_2x_3^2x_5^2 - x_2x_3^2y_5^2 - 4x_2x_3x_5y_3y_5-$$

$$x_2x_5^2y_3^2 + x_2y_3^2y_5^2 - 2x_3^2x_5y_2y_5 - 2x_3x_5^2y_2y_3 + 2x_3y_2y_3y_5^2 + 2x_5y_2y_3^2y_5)+$$

$$y_1(2x_2x_3^2x_5y_5 + 2x_2x_3x_5^2y_3 - 2x_2x_3y_3y_5^2 - 2x_2x_5y_3^2y_5 + x_3^2x_5^2y_2 - x_3^2y_2y_5^2-$$

$$4x_3x_5y_2y_3y_5 - x_5^2y_2y_3^2 + y_2y_3^2y_5^2)) + a^r_{1,0,-1,0,-2,0,2,0,0,0}(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2+$$

$$4x_2x_3x_4y_3y_4 - x_2x_4^2y_3^2 + x_2y_3^2y_4^2 + 2x_3^2x_4y_2y_4 - 2x_3x_4^2y_2y_3 + 2x_3y_2y_3y_4^2-$$

$$2x_4y_2y_3^2y_4) + y_1(-2x_2x_3^2x_4y_4 + 2x_2x_3x_4^2y_3 - 2x_2x_3y_3y_4^2 + 2x_2x_4y_3^2y_4 + x_3^2x_4^2y_2-$$

$$x_3^2y_2y_4^2 + 4x_3x_4y_2y_3y_4 - x_4^2y_2y_3^2 + y_2y_3^2y_4^2)) + a^r_{1,0,-1,0,0,0,-2,0,-2,0}(x_1(x_2x_4^2x_5^2-$$

$$x_2x_4^2y_5^2 - 4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 - 2x_4^2x_5y_2y_5 - 2x_4x_5^2y_2y_4+$$

$$2x_4y_2y_4y_5^2 + 2x_5y_2y_4^2y_5) + y_1(2x_2x_4^2x_5y_5 + 2x_2x_4x_5^2y_4 - 2x_2x_4y_4y_5^2-$$

$$2x_2x_5y_4^2y_5 + x_4^2x_5^2y_2 - x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 - x_5^2y_2y_4^2 + y_2y_4^2y_5^2))+$$

$$a^r_{1,0,-1,0,0,0,0,0,0,2}(x_5^2 + y_5^2)^2(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1x_2 + y_1y_2)+$$

$$a^r_{1,0,-1,0,0,0,2,0,0}(x_4^2 + y_4^2)^2(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,0,2,0,2,0}(x_1(x_2x_4^2x_5^2 - x_2x_4^2y_5^2-$$

$$4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 + 2x_4^2x_5y_2y_5 + 2x_4x_5^2y_2y_4 - 2x_4y_2y_4y_5^2-$$

$$2x_5y_2y_4^2y_5) + y_1(-2x_2x_4^2x_5y_5 - 2x_2x_4x_5^2y_4 + 2x_2x_4y_4y_5^2 + 2x_2x_5y_4^2y_5 + x_4^2x_5^2y_2-$$

$$x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 - x_5^2y_2y_4^2 + y_2y_4^2y_5^2)) + a^r_{1,0,-1,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2+$$

$$y_5^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,1,0,1,0,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,0,2,0,0,0,0}(x_3^2+$$

$$y_3^2)^2(x_1x_2 + y_1y_2) + a^r_{1,0,-1,0,2,0,-2,0,0,0}(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2 + 4x_2x_3x_4y_3y_4-$$

$$x_2x_4^2y_3^2 + x_2y_3^2y_4^2 - 2x_3^2x_4y_2y_4 + 2x_3x_4^2y_2y_3 - 2x_3y_2y_3y_4^2 + 2x_4y_2y_3^2y_4)+$$

$$y_1(2x_2x_3^2x_4y_4 - 2x_2x_3x_4^2y_3 + 2x_2x_3y_3y_4^2 - 2x_2x_4y_3^2y_4 + x_3^2x_4^2y_2 - x_3^2y_2y_4^2+$$

$$4x_3x_4y_2y_3y_4 - x_4^2y_2y_3^2 + y_2y_3^2y_4^2)) + a^r_{1,0,-1,0,2,0,0,0,0,2,0}(x_1(x_2x_3^2x_5^2 - x_2x_3^2y_5^2-$$

$$4x_2x_3x_5y_3y_5 - x_2x_5^2y_3^2 + x_2y_3^2y_5^2 + 2x_3^2x_5y_2y_5 + 2x_3x_5^2y_2y_3 - 2x_3y_2y_3y_5^2-$$

$$2x_5y_2y_3^2y_5) + y_1(-2x_2x_3^2x_5y_5 - 2x_2x_3x_5^2y_3 + 2x_2x_3y_3y_5^2 + 2x_2x_5y_3^2y_5 + x_3^2x_5^2y_2-$$

$$x_3^2y_2y_5^2 - 4x_3x_5y_2y_3y_5 - x_5^2y_2y_3^2 + y_2y_3^2y_5^2)) + a^r_{1,0,-1,1,0,0,0,0,0,1}(x_2^2 + y_2^2)(x_5^2+$$

$$y_5^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,1,0,0,0,1,0,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,1,0,1,0,0,0,0}(x_2^2+$$

$$y_2^2)(x_3^2 + y_3^2)(x_1x_2 + y_1y_2) + a^r_{1,0,-1,2,0,0,0,0,0,0}(x_2^2 + y_2^2)^2(x_1x_2 + y_1y_2)+$$

$$a^r_{1,0,-2,0,-1,0,-1,0,-1,0}(x_1(x_2^2x_3x_4x_5 - x_2^2x_3y_4y_5 - x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4 - 2x_2x_3x_4y_2y_5-$$

$$2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 + x_3y_2^2y_4y_5 + x_4y_2^2y_3y_5+$$

$$x_5y_2^2y_3y_4) + y_1(x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5 + 2x_2x_3x_4x_5y_2-$$

$$2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 - 2x_2x_5y_2y_3y_4 - x_3x_4y_2^2y_5 - x_3x_5y_2^2y_4 - x_4x_5y_2^2y_3+$$

$$y_2^2y_3y_4y_5)) + a^r_{1,0,-2,0,-1,0,1,0,1,0}(x_1(x_2^2x_3x_4x_5 - x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 + x_2^2x_5y_3y_4+$$

$$2x_2x_3x_4y_2y_5 + 2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 + x_3y_2^2y_4y_5-$$

$$x_4y_2^2y_3y_5 - x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 - x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5+$$

$$2x_2x_3x_4x_5y_2 - 2x_2x_3y_2y_4y_5 + 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5 + x_3x_5y_2^2y_4-$$

$$x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a^r_{1,0,-2,0,1,0,-1,0,1,0}(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 - x_2^2x_4y_3y_5+$$

$$x_2^2x_5y_3y_4 + 2x_2x_3x_4y_2y_5 - 2x_2x_3x_5y_2y_4 + 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2-$$

$$x_3y_2^2y_4y_5 + x_4y_2^2y_3y_5 - x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 - x_2^2x_4x_5y_3-$$

$$x_2^2y_3y_4y_5 + 2x_2x_3x_4x_5y_2 + 2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5-$$

$x_3x_5y_2^2y_4 + x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a_{1,0,-3,0,-2,0,0,0,0,0}^r(x_1(x_2^3x_3^2 - x_2^3y_3^2 -$

$6x_2^2x_3y_2y_3 - 3x_2x_3^2y_2^2 + 3x_2y_2^2y_3^2 + 2x_3y_2^3y_3) + y_1(2x_2^3x_3y_3 + 3x_2^2x_3^2y_2 -$

$3x_2^2y_2y_3^2 - 6x_2x_3y_2^2y_3 - x_3^3y_2^3 + y_2^3y_3^3)) + a_{1,0,-3,0,0,0,-2,0,0,0}^r(x_1(x_2^3x_4^2 - x_2^3y_4^2 -$

$6x_2^2x_4y_2y_4 - 3x_2x_4^2y_2^2 + 3x_2y_2^2y_4^2 + 2x_4y_2^3y_4) + y_1(2x_2^3x_4y_4 + 3x_2^2x_4^2y_2 -$

$3x_2^2y_2y_4^2 - 6x_2x_4y_2^2y_4 - x_4^3y_2^3 + y_2^3y_4^3)) + a_{1,0,-3,0,0,0,0,0,2,0}^r(x_1(x_2^3x_5^2 - x_2^3y_5^2 +$

$6x_2^2x_5y_2y_5 - 3x_2x_5^2y_2^2 + 3x_2y_2^2y_5^2 - 2x_5y_2^3y_5) + y_1(-2x_2^3x_5y_5 + 3x_2^2x_5^2y_2 -$

$3x_2^2y_2y_5^2 + 6x_2x_5y_2^2y_5 - x_5^3y_2^3 + y_2^3y_5^3)) + a_{1,0,0,0,-1,0,-1,0,-3,0}^r(x_1(x_3x_4x_5^3 -$

$3x_3x_4x_5y_5^2 - 3x_3x_5^2y_4y_5 + x_3y_4y_5^3 - 3x_4x_5^2y_3y_5 + x_4y_3y_5^3 - x_5^3y_3y_4 +$

$3x_5y_3y_4y_5^2) + y_1(3x_3x_4x_5^2y_5 - x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 -$

$3x_4x_5y_3y_5^2 - 3x_5^2y_3y_4y_5 + y_3y_4y_5^3)) + a_{1,0,0,0,-1,0,-1,0,3,0}^r(x_1(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 +$

$3x_3x_5^2y_4y_5 - x_3y_4y_5^3 + 3x_4x_5^2y_3y_5 - x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_1(-$

$3x_3x_4x_5^2y_5 + x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 +$

$3x_5^2y_3y_4y_5 - y_3y_4y_5^3)) + a_{1,0,0,0,-1,0,-3,0,1,0}^r(x_1(x_3x_4^3x_5 + 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 -$

$x_3y_4^3y_5 + x_4^3y_3y_5 - 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_1(-x_3x_4^3y_5 +$

$3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 - x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 -$

$y_3y_4^3y_5)) + a_{1,0,0,0,-1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 -$

$x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 +$

$x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-1,0,3,0,1,0}^r(x_1(x_3x_4^3x_5 -$

$3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5 + x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 -$

$x_5y_3y_4^3) + y_1(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 -$

$3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 + y_3y_4^3y_5)) + a_{1,0,0,0,-1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_1(x_3x_4x_5 + x_3y_4y_5 -$

$x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,-3,0,-1,0,1,0}^r(x_1(x_3^3x_4x_5 +$

$x_3^3y_4y_5 + 3x_3^2x_4y_3y_5 - 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 - x_4y_3^3y_5 +$

$x_5y_3^3y_4) + y_1(-x_3^3x_4y_5 + x_3^3x_5y_4 + 3x_3^2x_4x_5y_3 + 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 -$

$3x_3x_5y_3^2y_4 - x_4x_5y_3^3 - y_3^3y_4y_5)) + a_{1,0,0,0,1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 - x_3y_4y_5 +$

$x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,0,-1,1,-1,0}^r(x_4^2 +$

$y_4^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$

$a_{1,0,0,0,1,0,1,0,1,1}^r(x_5^2 + y_5^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 -$

$x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$

$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_1(x_3x_4x_5 - x_3y_4y_5 +$

$x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,0,1,1,1,0,1,0}^r(x_3^2 +$

$y_3^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$

$a_{1,0,0,0,3,0,-1,0,1,0}^r(x_1(x_3^3x_4x_5 + x_3^3y_4y_5 - 3x_3^2x_4y_3y_5 + 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 -$

$3x_3y_3^2y_4y_5 + x_4y_3^3y_5 - x_5y_3^3y_4) + y_1(-x_3^3x_4y_5 + x_3^3x_5y_4 - 3x_3^2x_4x_5y_3 -$

$3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 + x_4x_5y_3^3 + y_3^3y_4y_5)) + a_{1,0,0,1,-1,0,1,0,-1,0}^r(x_2^2 +$

$y_2^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$

$a_{1,0,0,1,1,0,-1,0,-1,0}^r(x_2^2 + y_2^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 -$

$x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,0,1,1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$

$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,0,1,0,-2,0,-2,0,0,0}^r(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2 -$

$4x_2x_3x_4y_3y_4 - x_2x_4^2y_3^2 + x_2y_3^2y_4^2 + 2x_3^2x_4y_2y_4 + 2x_3x_4^2y_2y_3 - 2x_3y_2y_3y_4^2 -$

$2x_4y_2y_3^2y_4) + y_1(2x_2x_3^2x_4y_4 + 2x_2x_3x_4^2y_3 - 2x_2x_3y_3y_4^2 - 2x_2x_4y_3^2y_4 - x_3^2x_4^2y_2 +$

$x_3^2y_2y_4^2 + 4x_3x_4y_2y_3y_4 + x_4^2y_2y_3^2 - y_2y_3^2y_4^2)) + a_{1,0,1,0,-2,0,0,0,2,0}^r(x_1(x_2x_3^2x_5^2 -$

$$x_2 x_3^2 y_5^2 + 4 x_2 x_3 x_5 y_3 y_5 - x_2 x_5^2 y_3^2 + x_2 y_3^2 y_5^2 - 2 x_3^2 x_5 y_2 y_5 + 2 x_3 x_5^2 y_2 y_3 -$$
$$2 x_3 y_2 y_3 y_5^2 + 2 x_5 y_2 y_3^2 y_5) + y_1(-2 x_2 x_3^2 x_5 y_5 + 2 x_2 x_3 x_5^2 y_3 - 2 x_2 x_3 y_3 y_5^2 +$$
$$2 x_2 x_5 y_3^2 y_5 - x_3^2 x_5 y_3 y_2 + x_3^2 y_3 y_5^2 - 4 x_3 x_5 y_2 y_3 y_5 + x_5^2 y_2 y_3^2 - y_2 y_3^2 y_5^2)) +$$
$$a_{1,0,1,0,-4,0,0,0,0,0}^r(x_1(x_2 x_3^4 - 6 x_2 x_3^2 y_3^2 + x_2 y_3^4 + 4 x_3^3 y_2 y_3 - 4 x_3 y_2 y_3^3) + y_1(4 x_2 x_3^3 y_3 -$$
$$4 x_2 x_3 y_3^3 - x_3^4 y_2 + 6 x_3^2 y_2 y_3^2 - y_2 y_3^4)) + a_{1,0,1,0,0,0,-2,0,2,0}^r(x_1(x_2 x_4^2 x_5^2 - x_2 x_4^2 y_5^2 +$$
$$4 x_2 x_4 x_5 y_4 y_5 - x_2 x_5^2 y_4^2 + x_2 y_4^2 y_5^2 - 2 x_4^2 x_5 y_2 y_5 + 2 x_4 x_5^2 y_2 y_4 - 2 x_4 y_2 y_4 y_5^2 +$$
$$2 x_5 y_2 y_4^2 y_5) + y_1(-2 x_2 x_4^2 x_5 y_5 + 2 x_2 x_4 x_5^2 y_4 - 2 x_2 x_4 y_4 y_5^2 + 2 x_2 x_5 y_4^2 y_5 - x_4^2 x_5^2 y_2 +$$
$$x_4^2 y_2 y_5^2 - 4 x_4 x_5 y_2 y_4 y_5 + x_5^2 y_2 y_4^2 - y_2 y_4^2 y_5^2)) + a_{1,0,1,0,0,0,-4,0,0,0}^r(x_1(x_2 x_4^4 -$$
$$6 x_2 x_4^2 y_4^2 + x_2 y_4^4 + 4 x_4^3 y_2 y_4 - 4 x_4 y_2 y_4^3) + y_1(4 x_2 x_4^3 y_4 - 4 x_2 x_4 y_4^3 - x_4^4 y_2 +$$
$$6 x_4^2 y_2 y_4^2 - y_2 y_4^4)) + a_{1,0,1,0,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2 x_5 y_2 y_5) + y_1(2 x_2 x_5 y_5 -$$
$$x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,0,0,0,4,0}^r(x_1(x_2 x_5^4 - 6 x_2 x_5^2 y_5^2 + x_2 y_5^4 - 4 x_5^3 y_2 y_5 + 4 x_5 y_2 y_5^3) +$$
$$y_1(-4 x_2 x_5^3 y_5 + 4 x_2 x_5 y_5^3 - x_5^4 y_2 + 6 x_5^2 y_2 y_5^2 - y_2 y_5^4)) + a_{1,0,1,0,0,0,0,1,-2,0}^r(x_4^2 +$$
$$y_4^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2 x_5 y_2 y_5) + y_1(2 x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,2,0,0,1}^r(x_5^2 +$$
$$y_5^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2 x_4 y_2 y_4) + y_1(-2 x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,0,0,2,1,0,0}^r(x_4^2 +$$
$$y_4^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2 x_4 y_2 y_4) + y_1(-2 x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,0,1,0,0,-2,0}^r(x_3^2 +$$
$$y_3^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2 x_5 y_2 y_5) + y_1(2 x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,1,2,0,0,0}^r(x_3^2 +$$
$$y_3^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2 x_4 y_2 y_4) + y_1(-2 x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,2,0,0,0,0,1}^r(x_5^2 +$$
$$y_5^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2 x_3 y_2 y_3) + y_1(-2 x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,0,2,0,0,1,0,0}^r(x_4^2 +$$
$$y_4^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2 x_3 y_2 y_3) + y_1(-2 x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,0,2,1,0,0,0,0}^r(x_3^2 +$$
$$y_3^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2 x_3 y_2 y_3) + y_1(-2 x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,1,0,0,0,0,-2,0}^r(x_2^2 +$$
$$y_2^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2 x_5 y_2 y_5) + y_1(2 x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,1,0,0,2,0,0,0}^r(x_2^2 +$$
$$y_2^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2 x_4 y_2 y_4) + y_1(-2 x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,1,2,0,0,0,0,0}^r(x_2^2 +$$
$$y_2^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2 x_3 y_2 y_3) + y_1(-2 x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) +$$
$$a_{1,0,2,0,-1,0,-1,0,1,0}^r(x_1(x_2^2 x_3 x_4 x_5 + x_2^2 x_3 y_4 y_5 + x_2^2 x_4 y_3 y_5 - x_2^2 x_5 y_3 y_4 - 2 x_2 x_3 x_4 y_2 y_5 +$$
$$2 x_2 x_3 x_5 y_2 y_4 + 2 x_2 x_4 x_5 y_2 y_3 + 2 x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 - x_3 y_2^2 y_4 y_5 - x_4 y_2^2 y_3 y_5 +$$
$$x_5 y_2^2 y_3 y_4) + y_1(-x_2^2 x_3 x_4 y_5 + x_2^2 x_3 x_5 y_4 + x_2^2 x_4 x_5 y_3 + x_2^2 y_3 y_4 y_5 - 2 x_2 x_3 x_4 x_5 y_2 -$$
$$2 x_2 x_3 y_2 y_4 y_5 - 2 x_2 x_4 y_2 y_3 y_5 + 2 x_2 x_5 y_2 y_3 y_4 + x_3 x_4 y_2^2 y_5 - x_3 x_5 y_2^2 y_4 - x_4 x_5 y_2^2 y_3 -$$
$$y_2^2 y_3 y_4 y_5)) + a_{1,0,2,0,1,0,1,0,-1,0}^r(x_1(x_2^2 x_3 x_4 x_5 + x_2^2 x_3 y_4 y_5 + x_2^2 x_4 y_3 y_5 - x_2^2 x_5 y_3 y_4 +$$
$$2 x_2 x_3 x_4 y_2 y_5 - 2 x_2 x_3 x_5 y_2 y_4 - 2 x_2 x_4 x_5 y_2 y_3 - 2 x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 - x_3 y_2^2 y_4 y_5 -$$
$$x_4 y_2^2 y_3 y_5 + x_5 y_2^2 y_3 y_4) + y_1(x_2^2 x_3 x_4 y_5 - x_2^2 x_3 x_5 y_4 - x_2^2 x_4 x_5 y_3 - x_2^2 y_3 y_4 y_5 -$$
$$2 x_2 x_3 x_4 x_5 y_2 - 2 x_2 x_3 y_2 y_4 y_5 - 2 x_2 x_4 y_2 y_3 y_5 + 2 x_2 x_5 y_2 y_3 y_4 - x_3 x_4 y_2^2 y_5 + x_3 x_5 y_2^2 y_4 +$$
$$x_4 x_5 y_2^2 y_3 + y_2^2 y_3 y_4 y_5)) + a_{1,0,3,0,-2,0,0,0,0,0}^r(x_1(x_2^3 x_3 - x_2^3 y_3^2 + 6 x_2^2 x_3 y_2 y_3 -$$
$$3 x_2 x_3^2 y_2^2 + 3 x_2 y_2^2 y_3^2 - 2 x_3 y_2^3 y_3) + y_1(2 x_2^3 x_3 y_3 - 3 x_2^2 x_3^2 y_2 + 3 x_2^2 y_2 y_3^2 -$$
$$6 x_2 x_3 y_2^2 y_3 + x_3^2 y_2^3 - y_2^3 y_3^2)) + a_{1,0,3,0,0,0,0,-2,0,0,0}^r(x_1(x_2^3 x_4^2 - x_2^3 y_4^2 + 6 x_2^2 x_4 y_2 y_4 -$$
$$3 x_2 x_4^2 y_2^2 + 3 x_2 y_2^2 y_4^2 - 2 x_4 y_2^3 y_4) + y_1(2 x_2^3 x_4 y_4 - 3 x_2^2 x_4^2 y_2 + 3 x_2^2 y_2 y_4^2 -$$
$$6 x_2 x_4 y_2^2 y_4 + x_4^2 y_2^3 - y_2^3 y_4^2)) + a_{1,0,3,0,0,0,0,0,2,0}^r(x_1(x_2^3 x_5^2 - x_2^3 y_5^2 - 6 x_2^2 x_5 y_2 y_5 -$$
$$3 x_2 x_5^2 y_2^2 + 3 x_2 y_2^2 y_5^2 + 2 x_5 y_2^3 y_5) + y_1(-2 x_2^3 x_5 y_5 - 3 x_2^2 x_5^2 y_2 + 3 x_2^2 y_2 y_5^2 +$$
$$6 x_2 x_5 y_2^2 y_5 + x_5^2 y_2^3 - y_2^3 y_5^2)) + a_{1,0,5,0,0,0,0,0,0,0}^r(x_1(x_2^5 - 10 x_2^3 y_2^2 + 5 x_2 y_2^4) + y_1(-$$
$$5 x_2^4 y_2 + 10 x_2^2 y_2^3 - y_2^5)) + a_{1,1,-1,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1 x_2 + y_1 y_2) +$$
$$a_{1,1,-1,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1 x_2 + y_1 y_2) + a_{1,1,-1,0,0,1,0,0,0,0}^r(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_1 x_2 +$$
$$y_1 y_2) + a_{1,1,-1,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1 x_2 + y_1 y_2) + a_{1,1,0,0,-1,0,1,0,-1,0}^r(x_1^2 +$$
$$y_1^2)(x_1(x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_1(x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a^r_{1,1,0,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,1,0,0,1,0,1,0,1,0}(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{1,1,1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a^r_{1,1,1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1(x_2x_4^2 - x_2y_4^2 - 2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a^r_{1,1,1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2x_3^2 - x_2y_3^2 - 2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a^r_{1,2,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_1x_2 + y_1y_2) + a^r_{2,0,-1,0,-1,0,1,0,-1,0}(x_1(2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 + 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 + x_1^2x_3y_4y_5 - x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 - x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 - x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 - x_3x_5y_1^2y_4 + x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a^r_{2,0,-1,0,1,0,-1,0,-1,0}(x_1(2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 + 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 + x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 - x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 - x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 + x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a^r_{2,0,-1,0,1,0,1,0,1,0}(x_1(- 2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 - 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5 - x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 + x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 + x_5y_1^2y_3y_4) + y_2(x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 - x_3x_4y_1^2y_5 - x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a^r_{2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(- x_2 + y_2)) + a^r_{2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,0,0,0,-2,0,-2,0,0,0}(x_1(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4) + y_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + y_1(-x_3x_4 + x_3y_4 + x_4y_3 + y_3y_4)) + a^r_{2,0,0,0,-2,0,0,0,2,0}(x_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) + y_1(-x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_1(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + y_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)) + a^r_{2,0,0,0,-4,0,0,0,0,0}(x_1(x_3^2 - 2x_3y_3 - y_3^2) + y_1(x_3^2 + 2x_3y_3 - y_3^2))(x_1(x_3^2 + 2x_3y_3 - y_3^2) + y_1(-x_3^2 + 2x_3y_3 + y_3^2)) + a^r_{2,0,0,0,0,0,-2,0,2,0}(x_1(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_1(-x_4x_5 - x_4y_5 + x_5y_4 - y_4y_5))(x_1(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_1(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)) + a^r_{2,0,0,0,0,0,-4,0,0,0}(x_1(x_4^2 - 2x_4y_4 - y_4^2) + y_1(x_4^2 + 2x_4y_4 - y_4^2))(x_1(x_4^2 + 2x_4y_4 - y_4^2) + y_1(-x_4^2 + 2x_4y_4 + y_4^2)) + a^r_{2,0,0,0,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,0,0,0,4,0}(x_1(x_5^2 - 2x_5y_5 - y_5^2) + y_1(-x_5^2 - 2x_5y_5 + y_5^2))(x_1(x_5^2 + 2x_5y_5 - y_5^2) + y_1(x_5^2 - 2x_5y_5 - y_5^2)) + a^r_{2,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a^r_{2,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a^r_{2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a^r_{2,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a^r_{2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a^r_{2,0,1,0,-1,0,-1,0,1,0}(x_1(-2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 - 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) +$$

$$x_2(x_1^2 x_3 x_4 x_5 + x_1^2 x_3 y_4 y_5 + x_1^2 x_4 y_3 y_5 - x_1^2 x_5 y_3 y_4 - x_3 x_4 x_5 y_1^2 - x_3 y_1^2 y_4 y_5 -$$
$$x_4 y_1^2 y_3 y_5 + x_5 y_1^2 y_3 y_4) + y_2(-x_1^2 x_3 x_4 y_5 + x_1^2 x_3 x_5 y_4 + x_1^2 x_4 x_5 y_3 + x_1^2 y_3 y_4 y_5 +$$
$$x_3 x_4 y_1^2 y_5 - x_3 x_5 y_1^2 y_4 - x_4 x_5 y_1^2 y_3 - y_1^2 y_3 y_4 y_5)) + a_{2,0,1,0,1,0,1,0,-1,0}^r(x_1(2x_2 x_3 x_4 y_1 y_5 -$$
$$2x_2 x_3 x_5 y_1 y_4 - 2x_2 x_4 x_5 y_1 y_3 - 2x_2 y_1 y_3 y_4 y_5 - 2x_3 x_4 x_5 y_1 y_2 - 2x_3 y_1 y_2 y_4 y_5 -$$
$$2x_4 y_1 y_2 y_3 y_5 + 2x_5 y_1 y_2 y_3 y_4) + x_2(x_1^2 x_3 x_4 x_5 + x_1^2 x_3 y_4 y_5 + x_1^2 x_4 y_3 y_5 - x_1^2 x_5 y_3 y_4 -$$
$$x_3 x_4 x_5 y_1^2 - x_3 y_1^2 y_4 y_5 - x_4 y_1^2 y_3 y_5 + x_5 y_1^2 y_3 y_4) + y_2(x_1^2 x_3 x_4 y_5 - x_1^2 x_3 x_5 y_4 -$$
$$x_1^2 x_4 x_5 y_3 - x_1^2 y_3 y_4 y_5 - x_3 x_4 y_1^2 y_5 + x_3 x_5 y_1^2 y_4 + x_4 x_5 y_1^2 y_3 + y_1^2 y_3 y_4 y_5)) +$$
$$a_{2,0,2,0,-2,0,0,0,0,0}^r(x_1(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3) + y_1(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3))(x_1(x_2 x_3 + x_2 y_3 -$$
$$x_3 y_2 + y_2 y_3) + y_1(-x_2 x_3 + x_2 y_3 - x_3 y_2 - y_2 y_3)) + a_{2,0,2,0,0,0,-2,0,0,0}^r(x_1(x_2 x_4 - x_2 y_4 + x_4 y_2 + y_2 y_4) +$$
$$y_1(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4))(x_1(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4) + y_1(-x_2 x_4 + x_2 y_4 - x_4 y_2 - y_2 y_4)) +$$
$$a_{2,0,2,0,0,0,0,0,2,0}^r(x_1(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5) + y_1(-x_2 x_5 - x_2 y_5 - x_5 y_2 + y_2 y_5))(x_1(x_2 x_5 + x_2 y_5 +$$
$$x_5 y_2 - y_2 y_5) + y_1(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5)) + a_{2,0,4,0,0,0,0,0,0,0}^r(x_1(x_2^2 - 2x_2 y_2 - y_2^2) + y_1(-x_2^2 -$$
$$2x_2 y_2 + y_2^2))(x_1(x_2^2 + 2x_2 y_2 - y_2^2) + y_1(x_2^2 - 2x_2 y_2 - y_2^2)) + a_{2,1,-2,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_2 -$$
$$y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a_{2,1,0,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_1(x_5 - y_5) + y_1(x_5 +$$
$$y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a_{2,1,0,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) +$$
$$y_1(x_4 - y_4)) + a_{2,1,0,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$
$$a_{3,0,-1,0,0,0,0,0,-2,0}^r(x_1(-3x_2 x_5^2 y_1^2 + 3x_2 y_1^2 y_5^2 + 6x_5 y_1^2 y_2 y_5) + x_2(x_1^3 x_5^2 - x_1^3 y_5^2 -$$
$$2x_5 y_1^3 y_5) + y_1(6x_1^2 x_2 x_5 y_5 + 3x_1^2 x_5^2 y_2 - 3x_1^2 y_2 y_5^2) + y_2(-2x_1^3 x_5 y_5 - x_5^2 y_1^3 +$$
$$y_1^3 y_5^2)) + a_{3,0,-1,0,0,0,2,0,0,0}^r(x_1(-3x_2 x_4^2 y_1^2 + 3x_2 y_1^2 y_4^2 - 6x_4 y_1^2 y_2 y_4) + x_2(x_1^3 x_4^2 -$$
$$x_1^3 y_4^2 + 2x_4 y_1^3 y_4) + y_1(-6x_1^2 x_2 x_4 y_4 + 3x_1^2 x_4^2 y_2 - 3x_1^2 y_2 y_4^2) + y_2(2x_1^3 x_4 y_4 -$$
$$x_4^2 y_1^3 + y_1^3 y_4^2)) + a_{3,0,-1,0,2,0,0,0,0,0}^r(x_1(-3x_2 x_3^2 y_1^2 + 3x_2 y_1^2 y_3^2 - 6x_3 y_1^2 y_2 y_3) +$$
$$x_2(x_1^3 x_3^2 - x_1^3 y_3^2 + 2x_3 y_1^3 y_3) + y_1(-6x_1^2 x_2 x_3 y_3 + 3x_1^2 x_3^2 y_2 - 3x_1^2 y_2 y_3^2) +$$
$$y_2(2x_1^3 x_3 y_3 - x_3^2 y_1^3 + y_1^3 y_3^2)) + a_{3,0,-3,0,0,0,0,0,0,0}^r(x_1 x_2 + y_1 y_2)(x_1^2 x_2^2 - 3x_1^2 y_2^2 +$$
$$8x_1 x_2 y_1 y_2 - 3x_2^2 y_1^2 + y_1^2 y_2^2) + a_{3,0,0,0,-1,0,-1,0,1,0}^r(x_1(-3x_3 x_4 x_5 y_1^2 - 3x_3 y_1^2 y_4 y_5 -$$
$$3x_4 y_1^2 y_3 y_5 + 3x_5 y_1^2 y_3 y_4) + x_3(x_1^3 x_4 x_5 + x_1^3 y_4 y_5 + x_4 y_1^3 y_5 - x_5 y_1^3 y_4) + y_1(-$$
$$3x_1^2 x_3 x_4 y_5 + 3x_1^2 x_3 x_5 y_4 + 3x_1^2 x_4 x_5 y_3 + 3x_1^2 y_3 y_4 y_5) + y_3(x_1^3 x_4 y_5 - x_1^3 x_5 y_4 -$$
$$x_4 x_5 y_1^3 - y_1^3 y_4 y_5)) + a_{3,0,0,0,1,0,1,0,-1,0}^r(x_1(-3x_3 x_4 x_5 y_1^2 - 3x_3 y_1^2 y_4 y_5 - 3x_4 y_1^2 y_3 y_5 +$$
$$3x_5 y_1^2 y_3 y_4) + x_3(x_1^3 x_4 x_5 + x_1^3 y_4 y_5 - x_4 y_1^3 y_5 + x_5 y_1^3 y_4) + y_1(3x_1^2 x_3 x_4 y_5 -$$
$$3x_1^2 x_3 x_5 y_4 - 3x_1^2 x_4 x_5 y_3 - 3x_1^2 y_3 y_4 y_5) + y_3(x_1^3 x_4 y_5 - x_1^3 x_5 y_4 + x_4 x_5 y_1^3 +$$
$$y_1^3 y_4 y_5)) + a_{3,0,1,0,-2,0,0,0,0,0}^r(x_1(-3x_2 x_3^2 y_1^2 + 3x_2 y_1^2 y_3^2 - 6x_3 y_1^2 y_2 y_3) + x_2(x_1^3 x_3^2 -$$
$$x_1^3 y_3^2 - 2x_3 y_1^3 y_3) + y_1(6x_1^2 x_2 x_3 y_3 - 3x_1^2 x_3^2 y_2 + 3x_1^2 y_2 y_3^2) + y_2(2x_1^3 x_3 y_3 +$$
$$x_3^2 y_1^3 - y_1^3 y_3^2)) + a_{3,0,1,0,0,0,-2,0,0,0}^r(x_1(-3x_2 x_4^2 y_1^2 + 3x_2 y_1^2 y_4^2 - 6x_4 y_1^2 y_2 y_4) +$$
$$x_2(x_1^3 x_4^2 - x_1^3 y_4^2 - 2x_4 y_1^3 y_4) + y_1(6x_1^2 x_2 x_4 y_4 - 3x_1^2 x_4^2 y_2 + 3x_1^2 y_2 y_4^2) +$$
$$y_2(2x_1^3 x_4 y_4 + x_4^2 y_1^3 - y_1^3 y_4^2)) + a_{3,0,1,0,0,0,0,0,2,0}^r(x_1(-3x_2 x_5^2 y_1^2 + 3x_2 y_1^2 y_5^2 +$$
$$6x_5 y_1^2 y_2 y_5) + x_2(x_1^3 x_5^2 - x_1^3 y_5^2 + 2x_5 y_1^3 y_5) + y_1(-6x_1^2 x_2 x_5 y_5 - 3x_1^2 x_5^2 y_2 +$$
$$3x_1^2 y_2 y_5^2) + y_2(-2x_1^3 x_5 y_5 + x_5^2 y_1^3 - y_1^3 y_5^2)) + a_{3,0,3,0,0,0,0,0,0,0}^r(x_1 x_2 - y_1 y_2)(x_1^2 x_2^2 -$$
$$3x_1^2 y_2^2 - 8x_1 x_2 y_1 y_2 - 3x_2^2 y_1^2 + y_1^2 y_2^2) + a_{4,0,0,0,-2,0,0,0,0,0}^r(x_1(-2x_3 y_1 + 2y_1 y_3) + x_3(x_1^2 -$$
$$y_1^2) + y_3(x_1^2 - y_1^2))(x_1(2x_3 y_1 + 2y_1 y_3) + x_3(x_1^2 - y_1^2) + y_3(-x_1^2 + y_1^2)) + a_{4,0,0,0,0,0,-2,0,0,0}^r(x_1(-$$
$$2x_4 y_1 + 2y_1 y_4) + x_4(x_1^2 - y_1^2) + y_4(x_1^2 - y_1^2))(x_1(2x_4 y_1 + 2y_1 y_4) + x_4(x_1^2 - y_1^2) + y_4(-x_1^2 +$$
$$y_1^2)) + a_{4,0,0,0,0,0,0,0,2,0}^r(x_1(-2x_5 y_1 - 2y_1 y_5) + x_5(x_1^2 - y_1^2) + y_5(-x_1^2 + y_1^2))(x_1(2x_5 y_1 - 2y_1 y_5) +$$
$$x_5(x_1^2 - y_1^2) + y_5(x_1^2 - y_1^2)) + a_{4,0,2,0,0,0,0,0,0,0}^r(x_1(-2x_2 y_1 - 2y_1 y_2) + x_2(x_1^2 - y_1^2) + y_2(-x_1^2 +$$
$$y_1^2))(x_1(2x_2 y_1 - 2y_1 y_2) + x_2(x_1^2 - y_1^2) + y_2(x_1^2 - y_1^2)) + a_{5,0,1,0,0,0,0,0,0,0}^r(-5x_1^4 y_1 y_2 +$$

$$5x_1x_2y_1^4 + x_2(x_1^5 - 10x_1^3y_1^2) + y_2(10x_1^2y_1^3 - y_1^5)) + a_{6,0,0,0,0,0,0,0,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_1^2 -$$

$$4x_1y_1 + y_1^2)(x_1^2 + 4x_1y_1 + y_1^2) + b_{-1,0,-1,0,-2,0,-2,0,0,0}^r(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 -$$

$$4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 +$$

$$2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 - 2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 +$$

$$2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2 + x_3^2y_1y_2y_4^2 + 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 -$$

$$y_1y_2y_3^2y_4^2) + b_{-1,0,-1,0,-2,0,0,0,2,0}^r(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5 -$$

$$x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2 -$$

$$2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 -$$

$$x_3^2x_5^2y_1y_2 + x_3^2y_1y_2y_5^2 - 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) +$$

$$b_{-1,0,-1,0,-4,0,0,0,0,0}^r(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 -$$

$$4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 - x_3^4y_1y_2 + 6x_3^2y_1y_2y_3^2 - y_1y_2y_3^4) +$$

$$b_{-1,0,-1,0,0,0,-2,0,2,0}^r(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 +$$

$$x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 +$$

$$2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2 +$$

$$x_4^2y_1y_2y_5^2 - 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) + b_{-1,0,-1,0,0,0,-4,0,0,0}^r(x_1x_2x_4^4 -$$

$$6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4 + 4x_1x_4y_2y_4^3 - 4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 -$$

$$x_4^4y_1y_2 + 6x_4^2y_1y_2y_4^2 - y_1y_2y_4^4) + b_{-1,0,-1,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 -$$

$$2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) + b_{-1,0,-1,0,0,0,0,0,4,0,0}^r(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 +$$

$$x_1x_2y_5^4 + 4x_1x_5^3y_2y_5 - 4x_1x_5y_2y_5^3 + 4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 - x_5^4y_1y_2 +$$

$$6x_5^2y_1y_2y_5^2 - y_1y_2y_5^4) + b_{-1,0,-1,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 -$$

$$2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) + b_{-1,0,-1,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 +$$

$$2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) + b_{-1,0,-1,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2x_4^2 -$$

$$x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) + b_{-1,0,-1,0,0,1,0,0,0,-2,0}^r(x_3^2 +$$

$$y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) +$$

$$b_{-1,0,-1,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 +$$

$$y_1y_2y_4^2) + b_{-1,0,-1,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 -$$

$$x_3^2y_1y_2 + y_1y_2y_3^2) + b_{-1,0,-1,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 +$$

$$2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) + b_{-1,0,-1,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$

$$2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) + b_{-1,0,-1,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_1x_2x_5^2 -$$

$$x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) + b_{-1,0,-1,1,0,0,0,2,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) +$$

$$b_{-1,0,-1,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 +$$

$$y_1y_2y_3^2) + b_{-1,0,-2,0,-1,0,1,0,-1,0}^r(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 +$$

$$x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 -$$

$$x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 +$$

$$x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 +$$

$$2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 +$$

$$y_1y_2^2y_3y_4y_5) + b_{-1,0,-2,0,1,0,-1,0,-1,0}^r(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 +$$

$$x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 -$$

$$x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 -$$

$$x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 -$$

$$2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 +$$

$$y_1 y_2^2 y_3 y_4 y_5) + b^r_{-1,0,-2,0,1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 x_5 - x_1 x_2^2 x_3 y_4 y_5 - x_1 x_2^2 x_4 y_3 y_5 -$$
$$x_1 x_2^2 x_5 y_3 y_4 + 2x_1 x_2 x_3 x_4 y_2 y_5 + 2x_1 x_2 x_3 x_5 y_2 y_4 + 2x_1 x_2 x_4 x_5 y_2 y_3 - 2x_1 x_2 y_2 y_3 y_4 y_5 -$$
$$x_1 x_3 x_4 x_5 y_2^2 + x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 + x_1 x_5 y_2^2 y_3 y_4 + x_2^2 x_3 x_4 y_1 y_5 +$$
$$x_2^2 x_3 x_5 y_1 y_4 + x_2^2 x_4 x_5 y_1 y_3 - x_2^2 y_1 y_3 y_4 y_5 - 2x_2 x_3 x_4 x_5 y_1 y_2 + 2x_2 x_3 y_1 y_2 y_4 y_5 +$$
$$2x_2 x_4 y_1 y_2 y_3 y_5 + 2x_2 x_5 y_1 y_2 y_3 y_4 - x_3 x_4 y_1 y_2^2 y_5 - x_3 x_5 y_1 y_2^2 y_4 - x_4 x_5 y_1 y_2^2 y_3 +$$
$$y_1 y_2^2 y_3 y_4 y_5) + b^r_{-1,0,-3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1 x_2^3 - 3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) +$$
$$b^r_{-1,0,-3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1 x_2^3 - 3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) + b^r_{-1,0,-3,0,0,1,0,0,0,0}(x_3^2 +$$
$$y_3^2)(x_1 x_2^3 - 3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) + b^r_{-1,0,-3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1 x_2^3 -$$
$$3x_1 x_2 y_2^2 - 3x_2^2 y_1 y_2 + y_1 y_2^3) + b^r_{-1,0,0,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 +$$
$$x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) +$$
$$b^r_{-1,0,0,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 -$$
$$x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) + b^r_{-1,0,0,0,-1,0,-3,0,-1,0}(x_1 x_3 x_4^3 x_5 - 3x_1 x_3 x_4^2 y_4 y_5 -$$
$$3x_1 x_3 x_4 x_5 y_4^2 + x_1 x_3 y_4^3 y_5 - x_1 x_4^3 y_3 y_5 - 3x_1 x_4^2 x_5 y_3 y_4 + 3x_1 x_4 y_3 y_4^2 y_5 +$$
$$x_1 x_5 y_3 y_4^3 - x_3 x_4^3 y_1 y_5 - 3x_3 x_4^2 x_5 y_1 y_4 + 3x_3 x_4 y_1 y_4^2 y_5 + x_3 x_5 y_1 y_4^3 - x_4^3 x_5 y_1 y_3 +$$
$$3x_4^2 y_1 y_3 y_4 y_5 + 3x_4 x_5 y_1 y_3 y_4^2 - y_1 y_3 y_4^3 y_5) + b^r_{-1,0,0,0,-1,0,1,0,-3,0}(x_1 x_3 x_4 x_5^3 -$$
$$3x_1 x_3 x_4 x_5 y_5^2 + 3x_1 x_3 x_5^2 y_4 y_5 - x_1 x_3 y_4 y_5^3 - 3x_1 x_4 x_5^2 y_3 y_5 + x_1 x_4 y_3 y_5^3 +$$
$$x_1 x_5^3 y_3 y_4 - 3x_1 x_5 y_3 y_4 y_5^2 - 3x_3 x_4 x_5^2 y_1 y_5 + x_3 x_4 y_1 y_5^3 + x_3 x_5^3 y_1 y_4 -$$
$$3x_3 x_5 y_1 y_4 y_5^2 - x_4 x_5^3 y_1 y_3 + 3x_4 x_5 y_1 y_3 y_5^2 - 3x_5^2 y_1 y_3 y_4 y_5 + y_1 y_3 y_4 y_5^3) +$$
$$b^r_{-1,0,0,0,-1,0,1,0,3,0}(x_1 x_3 x_4 x_5^3 - 3x_1 x_3 x_4 x_5 y_5^2 - 3x_1 x_3 x_5^2 y_4 y_5 + x_1 x_3 y_4 y_5^3 +$$
$$3x_1 x_4 x_5^2 y_3 y_5 - x_1 x_4 y_3 y_5^3 + x_1 x_5^3 y_3 y_4 - 3x_1 x_5 y_3 y_4 y_5^2 + 3x_3 x_4 x_5^2 y_1 y_5 -$$
$$x_3 x_4 y_1 y_5^3 + x_3 x_5^3 y_1 y_4 - 3x_3 x_5 y_1 y_4 y_5^2 - x_4 x_5^3 y_1 y_3 + 3x_4 x_5 y_1 y_3 y_5^2 +$$
$$3x_5^2 y_1 y_3 y_4 y_5 - y_1 y_3 y_4 y_5^3) + b^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1 x_3 x_4^3 x_5 + 3x_1 x_3 x_4^2 y_4 y_5 -$$
$$3x_1 x_3 x_4 x_5 y_4^2 - x_1 x_3 y_4^3 y_5 - x_1 x_4^3 y_3 y_5 + 3x_1 x_4^2 x_5 y_3 y_4 + 3x_1 x_4 y_3 y_4^2 y_5 -$$
$$x_1 x_5 y_3 y_4^3 - x_3 x_4^3 y_1 y_5 + 3x_3 x_4^2 x_5 y_1 y_4 + 3x_3 x_4 y_1 y_4^2 y_5 - x_3 x_5 y_1 y_4^3 - x_4^3 x_5 y_1 y_3 -$$
$$3x_4^2 y_1 y_3 y_4 y_5 + 3x_4 x_5 y_1 y_3 y_4^2 + y_1 y_3 y_4^3 y_5) + b^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1 x_3 x_4 x_5 +$$
$$x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) +$$
$$b^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1 x_3^3 x_4 x_5 - x_1 x_3^3 y_4 y_5 - 3x_1 x_3^2 x_4 y_3 y_5 - 3x_1 x_3^2 x_5 y_3 y_4 -$$
$$3x_1 x_3 x_4 x_5 y_3^2 + 3x_1 x_3 y_3^2 y_4 y_5 + x_1 x_4 y_3^3 y_5 + x_1 x_5 y_3^3 y_4 - x_3^3 x_4 y_1 y_5 - x_3^3 x_5 y_1 y_4 -$$
$$3x_3^2 x_4 x_5 y_1 y_3 + 3x_3^2 y_1 y_3 y_4 y_5 + 3x_3 x_4 y_1 y_3^2 y_5 + 3x_3 x_5 y_1 y_3^2 y_4 + x_4 x_5 y_1 y_3^3 -$$
$$y_1 y_3^3 y_4 y_5) + b^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1 x_3^3 x_4 x_5 - x_1 x_3^3 y_4 y_5 + 3x_1 x_3^2 x_4 y_3 y_5 + 3x_1 x_3^2 x_5 y_3 y_4 -$$
$$3x_1 x_3 x_4 x_5 y_3^2 + 3x_1 x_3 y_3^2 y_4 y_5 - x_1 x_4 y_3^3 y_5 - x_1 x_5 y_3^3 y_4 + x_3^3 x_4 y_1 y_5 + x_3^3 x_5 y_1 y_4 -$$
$$3x_3^2 x_4 x_5 y_1 y_3 + 3x_3^2 y_1 y_3 y_4 y_5 - 3x_3 x_4 y_1 y_3^2 y_5 - 3x_3 x_5 y_1 y_3^2 y_4 + x_4 x_5 y_1 y_3^3 -$$
$$y_1 y_3^3 y_4 y_5) + b^r_{-1,0,0,0,1,0,-1,0,-3,0}(x_1 x_3 x_4 x_5^3 - 3x_1 x_3 x_4 x_5 y_5^2 - 3x_1 x_3 x_5^2 y_4 y_5 + x_1 x_3 y_4 y_5^3 +$$
$$3x_1 x_4 x_5^2 y_3 y_5 - x_1 x_4 y_3 y_5^3 + x_1 x_5^3 y_3 y_4 - 3x_1 x_5 y_3 y_4 y_5^2 - 3x_3 x_4 x_5^2 y_1 y_5 +$$
$$x_3 x_4 y_1 y_5^3 - x_3 x_5^3 y_1 y_4 + 3x_3 x_5 y_1 y_4 y_5^2 + x_4 x_5^3 y_1 y_3 - 3x_4 x_5 y_1 y_3 y_5^2 -$$
$$3x_5^2 y_1 y_3 y_4 y_5 + y_1 y_3 y_4 y_5^3) + b^r_{-1,0,0,0,1,0,-1,0,3,0}(x_1 x_3 x_4 x_5^3 - 3x_1 x_3 x_4 x_5 y_5^2 +$$
$$3x_1 x_3 x_5^2 y_4 y_5 - x_1 x_3 y_4 y_5^3 - 3x_1 x_4 x_5^2 y_3 y_5 + x_1 x_4 y_3 y_5^3 + x_1 x_5^3 y_3 y_4 -$$
$$3x_1 x_5 y_3 y_4 y_5^2 + 3x_3 x_4 x_5^2 y_1 y_5 - x_3 x_4 y_1 y_5^3 - x_3 x_5^3 y_1 y_4 + 3x_3 x_5 y_1 y_4 y_5^2 +$$
$$x_4 x_5^3 y_1 y_3 - 3x_4 x_5 y_1 y_3 y_5^2 + 3x_5^2 y_1 y_3 y_4 y_5 - y_1 y_3 y_4 y_5^3) + b^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1 x_3 x_4^3 x_5 +$$
$$3x_1 x_3 x_4^2 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_4^2 - x_1 x_3 y_4^3 y_5 - x_1 x_4^3 y_3 y_5 + 3x_1 x_4^2 x_5 y_3 y_4 +$$
$$3x_1 x_4 y_3 y_4^2 y_5 - x_1 x_5 y_3 y_4^3 + x_3 x_4^3 y_1 y_5 - 3x_3 x_4^2 x_5 y_1 y_4 - 3x_3 x_4 y_1 y_4^2 y_5 +$$
$$x_3 x_5 y_1 y_4^3 + x_4^3 x_5 y_1 y_3 + 3x_4^2 y_1 y_3 y_4 y_5 - 3x_4 x_5 y_1 y_3 y_4^2 - y_1 y_3 y_4^3 y_5) +$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 +$$
$$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) + b^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 +$$
$$x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) +$$
$$b^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 -$$
$$3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 -$$
$$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2 +$$
$$y_1y_3y_4^3y_5) + b^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 -$$
$$x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) + b^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 +$$
$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 -$$
$$x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 +$$
$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) + b^r_{-1,0,0,0,3,0,1,0,1,0}(x_1x_3^3x_4x_5 -$$
$$x_1x_3^3y_4y_5 - 3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 +$$
$$x_1x_4y_3^3y_5 + x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 + x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 -$$
$$3x_3x_4y_1y_3^2y_5 - 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) + b^r_{-1,0,0,1,-1,0,-1,0,1,0}(x_2^2 +$$
$$y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 -$$
$$y_1y_3y_4y_5) + b^r_{-1,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 -$$
$$x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) + b^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 -$$
$$x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + b^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) +$$
$$b^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 -$$
$$y_1y_2y_3^2) + b^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 +$$
$$x_4^2y_1y_2 - y_1y_2y_4^2) + b^r_{-1,0,1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 -$$
$$2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + b^r_{-1,0,1,0,0,0,0,0,0,-4,0}(x_1x_2x_5 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4 +$$
$$4x_1x_5^3y_2y_5 - 4x_1x_5y_2y_5^3 - 4x_2x_5^3y_1y_5 + 4x_2x_5y_1y_5^3 + x_5^4y_1y_2 - 6x_5^2y_1y_2y_5^2 +$$
$$y_1y_2y_5^4) + b^r_{-1,0,1,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 +$$
$$x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{-1,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 +$$
$$2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{-1,0,1,0,0,0,0,2,0,-2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 +$$
$$4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 +$$
$$2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 - 2x_2x_4^2x_5y_1y_5 + 2x_2x_4x_5^2y_1y_4 - 2x_2x_4y_1y_4y_5^2 +$$
$$2x_2x_5y_1y_4^2y_5 + x_4^2x_5^2y_1y_2 - x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 - x_5^2y_1y_2y_4^2 +$$
$$y_1y_2y_4^2y_5^2) + b^r_{-1,0,1,0,0,0,4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4 +$$
$$4x_1x_4y_2y_4^3 + 4x_2x_4^3y_1y_4 - 4x_2x_4y_1y_4^3 + x_4^4y_1y_2 - 6x_4^2y_1y_2y_4^2 + y_1y_2y_4^4) +$$
$$b^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 -$$
$$y_1y_2y_4^2) + b^r_{-1,0,1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 +$$
$$x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{-1,0,1,0,2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5 -$$
$$x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2 -$$
$$2x_1x_5y_2y_3^2y_5 - 2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 - 2x_2x_3y_1y_3y_5^2 + 2x_2x_5y_1y_3^2y_5 +$$
$$x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2 + y_1y_2y_3^2y_5^2) +$$
$$b^r_{-1,0,1,0,2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$$
$$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 +$$
$$2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 - 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 -$$
$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) + b^r_{-1,0,1,0,4,0,0,0,0,0}(x_1x_2x_3^4 -$$

$$6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 + 4x_2x_3^3y_1y_3 - 4x_2x_3y_1y_3^3 +$$

$$x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) + b^r_{-1,0,1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$

$$2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + b^r_{-1,0,1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 -$$

$$x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + b^r_{-1,0,1,1,0,0,0,0,2,0}(x_2^2 +$$

$$y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) +$$

$$b^r_{-1,0,2,0,-1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 +$$

$$2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 +$$

$$x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 -$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 -$$

$$2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) +$$

$$b^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 -$$

$$2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 +$$

$$x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 -$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 +$$

$$2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) +$$

$$b^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 -$$

$$2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 -$$

$$x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 +$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 +$$

$$2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) +$$

$$b^r_{-1,0,3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) + b^r_{-1,0,3,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) + b^r_{-1,0,3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2^3 - 3x_1x_2y_2^2 +$$

$$3x_2^2y_1y_2 - y_1y_2^3) + b^r_{-1,0,3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) +$$

$$b^r_{-1,1,-1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 +$$

$$y_1y_2y_5^2) + b^r_{-1,1,-1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 -$$

$$x_4^2y_1y_2 + y_1y_2y_4^2) + b^r_{-1,1,-1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 +$$

$$2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) + b^r_{-1,1,-3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2^3 - 3x_1x_2y_2^2 -$$

$$3x_2^2y_1y_2 + y_1y_2^3) + b^r_{-1,1,0,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 -$$

$$x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) + b^r_{-1,1,0,0,1,0,1,0,-1,0}(x_1^2 +$$

$$y_1^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 +$$

$$y_1y_3y_4y_5) + b^r_{-1,1,1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 +$$

$$x_3^2y_1y_2 - y_1y_2y_3^2) + b^r_{-1,1,1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 -$$

$$2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + b^r_{-1,1,1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_1x_2x_5^2 - x_1x_2y_5^2 -$$

$$2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{-1,1,3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2^3 -$$

$$3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) + b^r_{-2,0,-1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 -$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 -$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 -$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 +$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) + b^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 +$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 -$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4-$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) + b_{-2,0,-1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5-$$

$$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3-$$

$$x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5-$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4-$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) + b_{-2,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2+$$

$$x_1y_2 + x_2y_1 - y_1y_2) + b_{-2,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1-$$

$$y_1y_2) + b_{-2,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2)+$$

$$b_{-2,0,-2,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2)+$$

$$b_{-2,0,0,0,-2,0,-2,0,0,0}^r(x_1x_3x_4 - x_1x_3y_4 - x_1x_4y_3 - x_1y_3y_4 - x_3x_4y_1 - x_3y_1y_4 - x_4y_1y_3+$$

$$y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 + x_1x_4y_3 - x_1y_3y_4 + x_3x_4y_1 - x_3y_1y_4 - x_4y_1y_3 - y_1y_3y_4)+$$

$$b_{-2,0,0,0,-2,0,0,0,2,0}^r(x_1x_3x_5 - x_1x_3y_5 + x_1x_5y_3 + x_1y_3y_5 + x_3x_5y_1 + x_3y_1y_5 - x_5y_1y_3+$$

$$y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 - x_1x_5y_3 + x_1y_3y_5 - x_3x_5y_1 + x_3y_1y_5 - x_5y_1y_3 - y_1y_3y_5)+$$

$$b_{-2,0,0,0,-4,0,0,0,0,0}^r(x_1x_3^2 - 2x_1x_3y_3 - x_1y_3^2 - x_3^2y_1 - 2x_3y_1y_3 + y_1y_3^2)(x_1x_3^2 + 2x_1x_3y_3-$$

$$x_1y_3^2 + x_3^2y_1 - 2x_3y_1y_3 - y_1y_3^2) + b_{-2,0,0,0,0,0,-2,0,2,0}^r(x_1x_4x_5 - x_1x_4y_5 + x_1x_5y_4 + x_1y_4y_5+$$

$$x_4x_5y_1 + x_4y_1y_5 - x_5y_1y_4 + y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 - x_1x_5y_4 + x_1y_4y_5 - x_4x_5y_1+$$

$$x_4y_1y_5 - x_5y_1y_4 - y_1y_4y_5) + b_{-2,0,0,0,0,0,-4,0,0,0}^r(x_1x_4^2 - 2x_1x_4y_4 - x_1y_4^2 - x_4^2y_1 - 2x_4y_1y_4+$$

$$y_1y_4^2)(x_1x_4^2 + 2x_1x_4y_4 - x_1y_4^2 + x_4^2y_1 - 2x_4y_1y_4 - y_1y_4^2) + b_{-2,0,0,0,0,0,0,0,-2,1}^r(x_5^2+$$

$$y_5^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5) + b_{-2,0,0,0,0,0,0,0,4,0}^r(x_1x_5^2 - 2x_1x_5y_5-$$

$$x_1y_5^2 + x_5^2y_1 + 2x_5y_1y_5 - y_1y_5^2)(x_1x_5^2 + 2x_1x_5y_5 - x_1y_5^2 - x_5^2y_1 + 2x_5y_1y_5 + y_1y_5^2)+$$

$$b_{-2,0,0,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5)+$$

$$b_{-2,0,0,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4)+$$

$$b_{-2,0,0,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4)+$$

$$b_{-2,0,0,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5)+$$

$$b_{-2,0,0,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4)+$$

$$b_{-2,0,0,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3)+$$

$$b_{-2,0,0,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3)+$$

$$b_{-2,0,0,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3)+$$

$$b_{-2,0,0,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5)+$$

$$b_{-2,0,0,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4)+$$

$$b_{-2,0,0,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3)+$$

$$b_{-2,0,1,0,-1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 + x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4-$$

$$x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5-$$

$$2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 + 2x_1x_3x_4x_5y_1y_2+$$

$$2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 - x_2x_3y_1^2y_4y_5-$$

$$x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 - x_4x_5y_1^2y_2y_3-$$

$$y_1^2y_2y_3y_4y_5) + b_{-2,0,1,0,1,0,1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 + x_1^2x_2x_4y_3y_5-$$

$$x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 - x_1^2y_2y_3y_4y_5-$$

$$2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2-$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4+$$

$$x_4 x_5 y_1^2 y_2 y_3 + y_1^2 y_2 y_3 y_4 y_5) + b^r_{-2,0,2,0,-2,0,0,0,0,0}(x_1 x_2 x_3 - x_1 x_2 y_3 + x_1 x_3 y_2 + x_1 y_2 y_3 -$$
$$x_2 x_3 y_1 - x_2 y_1 y_3 + x_3 y_1 y_2 - y_1 y_2 y_3)(x_1 x_2 x_3 + x_1 x_2 y_3 - x_1 x_3 y_2 + x_1 y_2 y_3 + x_2 x_3 y_1 -$$
$$x_2 y_1 y_3 + x_3 y_1 y_2 + y_1 y_2 y_3) + b^r_{-2,0,2,0,0,0,-2,0,0,0}(x_1 x_2 x_4 - x_1 x_2 y_4 + x_1 x_4 y_2 + x_1 y_2 y_4 - x_2 x_4 y_1 -$$
$$x_2 y_1 y_4 + x_4 y_1 y_2 - y_1 y_2 y_4)(x_1 x_2 x_4 + x_1 x_2 y_4 - x_1 x_4 y_2 + x_1 y_2 y_4 + x_2 x_4 y_1 - x_2 y_1 y_4 +$$
$$x_4 y_1 y_2 + y_1 y_2 y_4) + b^r_{-2,0,2,0,0,0,0,0,2,0}(x_1 x_2 x_5 - x_1 x_2 y_5 - x_1 x_5 y_2 - x_1 y_2 y_5 + x_2 x_5 y_1 + x_2 y_1 y_5 +$$
$$x_5 y_1 y_2 - y_1 y_2 y_5)(x_1 x_2 x_5 + x_1 x_2 y_5 + x_1 x_5 y_2 - x_1 y_2 y_5 - x_2 x_5 y_1 + x_2 y_1 y_5 + x_5 y_1 y_2 +$$
$$y_1 y_2 y_5) + b^r_{-2,0,4,0,0,0,0,0,0,0}(x_1 x_2^2 - 2x_1 x_2 y_2 - x_1 y_2^2 + x_2^2 y_1 + 2x_2 y_1 y_2 - y_1 y_2^2)(x_1 x_2^2 +$$
$$2x_1 x_2 y_2 - x_1 y_2^2 - x_2^2 y_1 + 2x_2 y_1 y_2 + y_1 y_2^2) + b^r_{-2,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 - x_1 y_2 - x_2 y_1 -$$
$$y_1 y_2)(x_1 x_2 + x_1 y_2 + x_2 y_1 - y_1 y_2) + b^r_{-2,1,0,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1 x_5 - x_1 y_5 - x_5 y_1 - y_1 y_5)(x_1 x_5 +$$
$$x_1 y_5 + x_5 y_1 - y_1 y_5) + b^r_{-2,1,0,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1 x_4 - x_1 y_4 + x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 +$$
$$y_1 y_4) + b^r_{-2,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_3 - x_1 y_3 + x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) +$$
$$b^r_{-3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + b^r_{-3,0,-1,0,0,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + b^r_{-3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3 x_2 -$$
$$3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + b^r_{-3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 +$$
$$y_1^3 y_2) + b^r_{-3,0,0,0,-1,0,1,0,-1,0}(x_1^3 x_3 x_4 x_5 + x_1^3 x_3 y_4 y_5 - x_1^3 x_4 y_3 y_5 + x_1^3 x_5 y_3 y_4 -$$
$$3x_1^2 x_3 x_4 y_1 y_5 + 3x_1^2 x_3 x_5 y_1 y_4 - 3x_1^2 x_4 x_5 y_1 y_3 - 3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 -$$
$$3x_1 x_3 y_1^2 y_4 y_5 + 3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^3 y_5 - x_3 x_5 y_1^3 y_4 +$$
$$x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) + b^r_{-3,0,0,0,0,1,0,-1,0,-1,0}(x_1^3 x_3 x_4 x_5 - x_1^3 x_3 y_4 y_5 + x_1^3 x_4 y_3 y_5 +$$
$$x_1^3 x_5 y_3 y_4 - 3x_1^2 x_3 x_4 y_1 y_5 - 3x_1^2 x_3 x_5 y_1 y_4 + 3x_1^2 x_4 x_5 y_1 y_3 - 3x_1^2 y_1 y_3 y_4 y_5 -$$
$$3x_1 x_3 x_4 x_5 y_1^2 + 3x_1 x_3 y_1^2 y_4 y_5 - 3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^3 y_5 +$$
$$x_3 x_5 y_1^3 y_4 - x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) + b^r_{-3,0,0,0,0,1,0,1,0,1,0}(x_1^3 x_3 x_4 x_5 - x_1^3 x_3 y_4 y_5 -$$
$$x_1^3 x_4 y_3 y_5 - x_1^3 x_5 y_3 y_4 + 3x_1^2 x_3 x_4 y_1 y_5 + 3x_1^2 x_3 x_5 y_1 y_4 + 3x_1^2 x_4 x_5 y_1 y_3 -$$
$$3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 + 3x_1 x_3 y_1^2 y_4 y_5 + 3x_1 x_4 y_1^2 y_3 y_5 + 3x_1 x_5 y_1^2 y_3 y_4 -$$
$$x_3 x_4 y_1^3 y_5 - x_3 x_5 y_1^3 y_4 - x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) + b^r_{-3,0,1,0,0,0,0,0,0,-2,0}(x_1^3 x_2 x_5^2 -$$
$$x_1^3 x_2 y_5^2 + 2x_1^3 x_5 y_2 y_5 - 6x_1^2 x_2 x_5 y_1 y_5 + 3x_1^2 x_5^2 y_1 y_2 - 3x_1^2 y_1 y_2 y_5^2 -$$
$$3x_1 x_2 x_5^2 y_1^2 + 3x_1 x_2 y_1^2 y_5^2 - 6x_1 x_5 y_1^2 y_2 y_5 + 2x_2 x_5 y_1^3 y_5 - x_5^2 y_1^3 y_2 + y_1^3 y_2 y_5^2) +$$
$$b^r_{-3,0,1,0,0,0,2,0,0,0}(x_1^3 x_2 x_4^2 - x_1^3 x_2 y_4^2 - 2x_1^3 x_4 y_2 y_4 + 6x_1^2 x_2 x_4 y_1 y_4 + 3x_1^2 x_4^2 y_1 y_2 -$$
$$3x_1^2 y_1 y_2 y_4^2 - 3x_1 x_2 x_4^2 y_1^2 + 3x_1 x_2 y_1^2 y_4^2 + 6x_1 x_4 y_1^2 y_2 y_4 - 2x_2 x_4 y_1^3 y_4 -$$
$$x_4^2 y_1^3 y_2 + y_1^3 y_2 y_4^2) + b^r_{-3,0,1,0,2,0,0,0,0,0}(x_1^3 x_2 x_3^2 - x_1^3 x_2 y_3^2 - 2x_1^3 x_3 y_2 y_3 +$$
$$6x_1^2 x_2 x_3 y_1 y_3 + 3x_1^2 x_3^2 y_1 y_2 - 3x_1^2 y_1 y_2 y_3^2 - 3x_1 x_2 x_3^2 y_1^2 + 3x_1 x_2 y_1^2 y_3^2 +$$
$$6x_1 x_3 y_1^2 y_2 y_3 - 2x_2 x_3 y_1^3 y_3 - x_3^2 y_1^3 y_2 + y_1^3 y_2 y_3^2) + b^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2 +$$
$$y_1^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) + b^r_{-4,0,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^2 - 2x_1 y_1 -$$
$$y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) + b^r_{-4,0,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) +$$
$$b^r_{-4,0,0,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) + b^r_{-4,0,0,1,0,0,0,0,0,0}(x_2^2 +$$
$$y_2^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) + b^r_{-4,1,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 +$$
$$2x_1 y_1 - y_1^2) + b^r_{-5,0,1,0,0,0,0,0,0,0}(x_1^5 x_2 + 5x_1^4 y_1 y_2 - 10x_1^3 x_2 y_1^2 - 10x_1^2 y_1^3 y_2 + 5x_1 x_2 y_1^4 +$$
$$y_1^5 y_2) + b^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 +$$
$$x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) + b^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2 x_3 x_4 x_5 +$$
$$x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) +$$
$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2 x_3 x_4^3 x_5 - 3x_2 x_3 x_4^2 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_4^2 + x_2 x_3 y_4^3 y_5 - x_2 x_4^3 y_3 y_5 -$$
$$3x_2 x_4^2 x_5 y_3 y_4 + 3x_2 x_4 y_3 y_4^2 y_5 + x_2 x_5 y_3 y_4^3 - x_3 x_4^3 y_2 y_5 - 3x_3 x_4^2 x_5 y_2 y_4 +$$
$$3x_3 x_4 y_2 y_4^2 y_5 + x_3 x_5 y_2 y_4^3 - x_4^3 x_5 y_2 y_3 + 3x_4^2 y_2 y_3 y_4 y_5 + 3x_4 x_5 y_2 y_3 y_4^2 -$$

$y_2y_3y_4^3y_5) + b_{0,0,-1,0,-1,0,1,0,-3,0}^r(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 + 3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 -$
$3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 +$
$x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2 - x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 -$
$3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) + b_{0,0,-1,0,-1,0,1,0,3,0}^r(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 -$
$3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 + 3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 -$
$3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2 -$
$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) + b_{0,0,-1,0,-1,0,3,0,-1,0}^r(x_2x_3x_4^3x_5 +$
$3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 +$
$3x_2x_4y_3y_4^2y_5 - x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 + 3x_3x_4y_2y_4^2y_5 -$
$x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 + y_2y_3y_4^3y_5) +$
$b_{0,0,-1,0,-1,1,-1,0,1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 -$
$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + b_{0,0,-1,0,-3,0,-1,0,-1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 -$
$3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 +$
$x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 +$
$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5) + b_{0,0,-1,0,-3,0,1,0,1,0}^r(x_2x_3^3x_4x_5 -$
$x_2x_3^3y_4y_5 + 3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 -$
$x_2x_4y_3^3y_5 - x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 -$
$3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5) + b_{0,0,-1,0,1,0,-1,0,-3,0}^r(x_2x_3x_4x_5^3 -$
$3x_2x_3x_4x_5y_5^2 - 3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 + 3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 +$
$x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 +$
$3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 - 3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) +$
$b_{0,0,-1,0,1,0,-1,0,3,0}^r(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 + 3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 -$
$3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 -$
$x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 +$
$3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) + b_{0,0,-1,0,1,0,-3,0,1,0}^r(x_2x_3x_4^3x_5 + 3x_2x_3x_4^2y_4y_5 -$
$3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 -$
$x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5 + x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 +$
$3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 - y_2y_3y_4^3y_5) + b_{0,0,-1,0,1,0,1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_2x_3x_4x_5 +$
$x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) +$
$b_{0,0,-1,0,1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$
$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + b_{0,0,-1,0,1,0,3,0,1,0}^r(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 -$
$3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 - 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 +$
$x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 -$
$3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 + y_2y_3y_4^3y_5) + b_{0,0,-1,0,1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4x_5 +$
$x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) +$
$b_{0,0,-1,0,3,0,-1,0,-1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 + 3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 -$
$3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5 - x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 +$
$3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 + 3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 +$
$y_2y_3^3y_4y_5) + b_{0,0,-1,0,3,0,1,0,1,0}^r(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 -$
$3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 + x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 +$
$3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 - 3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 +$
$y_2y_3^3y_4y_5) + b_{0,0,-1,1,-1,0,-1,0,1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 +$

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$$x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,-1,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5 +$$

$$x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) +$$

$$b^r_{0,0,-2,0,-2,0,-2,0,0,0}(x_2x_3x_4 - x_2x_3y_4 - x_2x_4y_3 - x_2y_3y_4 - x_3x_4y_2 - x_3y_2y_4 - x_4y_2y_3 +$$

$$y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 + x_2x_4y_3 - x_2y_3y_4 + x_3x_4y_2 - x_3y_2y_4 - x_4y_2y_3 - y_2y_3y_4) +$$

$$b^r_{0,0,-2,0,-2,0,0,0,2,0}(x_2x_3x_5 - x_2x_3y_5 + x_2x_5y_3 + x_2y_3y_5 + x_3x_5y_2 + x_3y_2y_5 - x_5y_2y_3 +$$

$$y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 - x_2x_5y_3 + x_2y_3y_5 - x_3x_5y_2 + x_3y_2y_5 - x_5y_2y_3 - y_2y_3y_5) +$$

$$b^r_{0,0,-2,0,-4,0,0,0,0,0}(x_2x_3^2 - 2x_2x_3y_3 - x_2y_3^2 - x_3^2y_2 - 2x_3y_2y_3 + y_2y_3^2)(x_2x_3^2 + 2x_2x_3y_3 -$$

$$x_2y_3^2 + x_3^2y_2 - 2x_3y_2y_3 - y_2y_3^2) + b^r_{0,0,-2,0,0,0,-2,0,2,0}(x_2x_4x_5 - x_2x_4y_5 + x_2x_5y_4 + x_2y_4y_5 +$$

$$x_4x_5y_2 + x_4y_2y_5 - x_5y_2y_4 + y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 - x_2x_5y_4 + x_2y_4y_5 - x_4x_5y_2 +$$

$$x_4y_2y_5 - x_5y_2y_4 - y_2y_4y_5) + b^r_{0,0,-2,0,0,0,-4,0,0,0}(x_2x_4^2 - 2x_2x_4y_4 - x_2y_4^2 - x_4^2y_2 - 2x_4y_2y_4 +$$

$$y_2y_4^2)(x_2x_4^2 + 2x_2x_4y_4 - x_2y_4^2 + x_4^2y_2 - 2x_4y_2y_4 - y_2y_4^2) + b^r_{0,0,-2,0,0,0,0,0,0,-2,1}(x_5^2 +$$

$$y_5^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) + b^r_{0,0,-2,0,0,0,0,0,4,0}(x_2x_5^2 - 2x_2x_5y_5 -$$

$$x_2y_5^2 + x_5^2y_2 + 2x_5y_2y_5 - y_2y_5^2)(x_2x_5^2 + 2x_2x_5y_5 - x_2y_5^2 - x_5^2y_2 + 2x_5y_2y_5 + y_2y_5^2) +$$

$$b^r_{0,0,-2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) +$$

$$b^r_{0,0,-2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) +$$

$$b^r_{0,0,-2,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) +$$

$$b^r_{0,0,-2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) +$$

$$b^r_{0,0,-2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) +$$

$$b^r_{0,0,-2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) +$$

$$b^r_{0,0,-2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) +$$

$$b^r_{0,0,-2,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) +$$

$$b^r_{0,0,-2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) +$$

$$b^r_{0,0,-2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) +$$

$$b^r_{0,0,-2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3) +$$

$$b^r_{0,0,-3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4x_5 + x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5 +$$

$$3x_2^2x_3x_5y_2y_4 - 3x_2^2x_4x_5y_2y_3 - 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 - 3x_2x_3y_2^2y_4y_5 +$$

$$3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 + x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 + y_2^3y_3y_4y_5) +$$

$$b^r_{0,0,-3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 + x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5 -$$

$$3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 - 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 -$$

$$3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 + x_3x_4y_2^3y_5 + x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 + y_2^3y_3y_4y_5) +$$

$$b^r_{0,0,-3,0,1,0,1,0,1,0}(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 - x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 +$$

$$3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 - 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 +$$

$$3x_2x_4y_2^2y_3y_5 + 3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 + y_2^3y_3y_4y_5) +$$

$$b^r_{0,0,-4,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) + b^r_{0,0,-4,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) + b^r_{0,0,-4,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 +$$

$$2x_2y_2 - y_2^2) + b^r_{0,0,-4,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) +$$

$$b^r_{0,0,0,0,-2,0,-2,0,-2,0}(x_3x_4x_5 - x_3x_4y_5 - x_3x_5y_4 - x_3y_4y_5 - x_4x_5y_3 - x_4y_3y_5 - x_5y_3y_4 +$$

$$y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 + x_3x_5y_4 - x_3y_4y_5 + x_4x_5y_3 - x_4y_3y_5 - x_5y_3y_4 - y_3y_4y_5) +$$

$$b^r_{0,0,0,0,-2,0,0,0,0,2}(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2)^2 + b^r_{0,0,0,0,-2,0,0,1,0,1}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) + b^r_{0,0,0,0,-2,0,0,2,0,0}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)^2 + b^r_{0,0,0,0,-2,0,2,0,2,0}(x_3x_4x_5 - x_3x_4y_5 - x_3x_5y_4 -$$

$$x_3y_4y_5 + x_4x_5y_3 + x_4y_3y_5 + x_5y_3y_4 - y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 + x_3x_5y_4 - x_3y_4y_5 -$$

$$x_4x_5y_3 + x_4y_3y_5 + x_5y_3y_4 + y_3y_4y_5) + b^r_{0,0,0,0,-2,1,0,0,0,1}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2)(x_5^2 + y_5^2) +$$

$$b^r_{0,0,0,0,-2,1,0,1,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b^r_{0,0,0,0,-2,2,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 +$$
$$y_3^2)^2 + b^r_{0,0,0,0,-4,0,0,0,-2,0}(x_3^2 x_5 - x_3^2 y_5 - 2x_3 x_5 y_3 - 2x_3 y_3 y_5 - x_5 y_3^2 + y_3^2 y_5)(x_3^2 x_5 +$$
$$x_3^2 y_5 + 2x_3 x_5 y_3 - 2x_3 y_3 y_5 - x_5 y_3^2 - y_3^2 y_5) + b^r_{0,0,0,0,-4,0,2,0,0,0}(x_3^2 x_4 - x_3^2 y_4 + 2x_3 x_4 y_3 +$$
$$2x_3 y_3 y_4 - x_4 y_3^2 + y_3^2 y_4)(x_3^2 x_4 + x_3^2 y_4 - 2x_3 x_4 y_3 + 2x_3 y_3 y_4 - x_4 y_3^2 - y_3^2 y_4) +$$
$$b^r_{0,0,0,0,0,0,-2,0,0,2}(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2)^2 + b^r_{0,0,0,0,0,0,-2,1,0,1}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)(x_5^2 +$$
$$y_5^2) + b^r_{0,0,0,0,0,0,-2,2,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)^2 + b^r_{0,0,0,0,0,0,-4,0,-2,0}(x_4^2 x_5 - x_4^2 y_5 - 2x_4 x_5 y_4 -$$
$$2x_4 y_4 y_5 - x_5 y_4^2 + y_4^2 y_5)(x_4^2 x_5 + x_4^2 y_5 + 2x_4 x_5 y_4 - 2x_4 y_4 y_5 - x_5 y_4^2 - y_4^2 y_5) +$$
$$b^r_{0,0,0,0,0,0,0,0,-4,1}(x_5^2 + y_5^2)(x_5^2 - 2x_5 y_5 - y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) + b^r_{0,0,0,0,0,0,0,0,2,2}(x_5 - y_5)(x_5 +$$
$$y_5)(x_5^2 + y_5^2)^2 + b^r_{0,0,0,0,0,0,0,1,-4,0}(x_4^2 + y_4^2)(x_5^2 - 2x_5 y_5 - y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) +$$
$$b^r_{0,0,0,0,0,0,0,1,2,1}(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,0,0,2,2,0}(x_4^2 + y_4^2)^2(x_5 - y_5)(x_5 +$$
$$y_5) + b^r_{0,0,0,0,0,0,2,0,-2,1}(x_5^2 + y_5^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) +$$
$$b^r_{0,0,0,0,0,0,2,0,4,0}(x_4 x_5^2 - 2x_4 x_5 y_5 - x_4 y_5^2 - x_5^2 y_4 - 2x_5 y_4 y_5 + y_4 y_5^2)(x_4 x_5^2 + 2x_4 x_5 y_5 -$$
$$x_4 y_5^2 + x_5^2 y_4 - 2x_5 y_4 y_5 - y_4 y_5^2) + b^r_{0,0,0,0,0,0,2,1,-2,0}(x_4^2 + y_4^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 +$$
$$y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) + b^r_{0,0,0,0,0,0,4,0,0,1}(x_5^2 + y_5^2)(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 -$$
$$y_4^2) + b^r_{0,0,0,0,0,0,4,1,0,0}(x_4^2 + y_4^2)(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) + b^r_{0,0,0,0,0,1,-2,0,0,1}(x_3^2 +$$
$$y_3^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,1,-2,1,0,0}(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) +$$
$$b^r_{0,0,0,0,0,1,0,0,-4,0}(x_3^2 + y_3^2)(x_5^2 - 2x_5 y_5 - y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) + b^r_{0,0,0,0,0,1,0,0,2,1}(x_3^2 + y_3^2)(x_5 -$$
$$y_5)(x_5 + y_5)(x_5^2 + y_5^2) + b^r_{0,0,0,0,0,1,0,1,2,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) +$$
$$b^r_{0,0,0,0,0,1,2,0,-2,0}(x_3^2 + y_3^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) +$$
$$b^r_{0,0,0,0,0,1,4,0,0,0}(x_3^2 + y_3^2)(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) + b^r_{0,0,0,0,0,2,-2,0,0,0}(x_3^2 +$$
$$y_3^2)^2(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,0,0,2,0,0,2,0}(x_3^2 + y_3^2)^2(x_5 - y_5)(x_5 + y_5) + b^r_{0,0,0,0,2,0,-2,0,2,0}(x_3 x_4 x_5 -$$
$$x_3 x_4 y_5 + x_3 x_5 y_4 + x_3 y_4 y_5 - x_4 x_5 y_3 - x_4 y_3 y_5 + x_5 y_3 y_4 - y_3 y_4 y_5)(x_3 x_4 x_5 + x_3 x_4 y_5 -$$
$$x_3 x_5 y_4 + x_3 y_4 y_5 + x_4 x_5 y_3 - x_4 y_3 y_5 + x_5 y_3 y_4 + y_3 y_4 y_5) + b^r_{0,0,0,0,2,0,-4,0,0,0}(x_3 x_4^2 - 2x_3 x_4 y_4 -$$
$$x_3 y_4^2 + x_4^2 y_3 + 2x_4 y_3 y_4 - y_3 y_4^2)(x_3 x_4^2 + 2x_3 x_4 y_4 - x_3 y_4^2 - x_4^2 y_3 + 2x_4 y_3 y_4 + y_3 y_4^2) +$$
$$b^r_{0,0,0,0,2,0,0,0,-2,1}(x_5^2 + y_5^2)(x_3 x_5 - x_3 y_5 + x_5 y_3 + y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 + y_3 y_5) +$$
$$b^r_{0,0,0,0,2,0,0,0,4,0}(x_3 x_5^2 - 2x_3 x_5 y_5 - x_3 y_5^2 - x_5^2 y_3 - 2x_5 y_3 y_5 + y_3 y_5^2)(x_3 x_5^2 + 2x_3 x_5 y_5 -$$
$$x_3 y_5^2 + x_5^2 y_3 - 2x_5 y_3 y_5 - y_3 y_5^2) + b^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3 x_5 - x_3 y_5 + x_5 y_3 +$$
$$y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 + y_3 y_5) + b^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3 x_4 - x_3 y_4 - x_4 y_3 - y_3 y_4)(x_3 x_4 +$$
$$x_3 y_4 + x_4 y_3 - y_3 y_4) + b^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3 x_4 - x_3 y_4 - x_4 y_3 - y_3 y_4)(x_3 x_4 + x_3 y_4 + x_4 y_3 -$$
$$y_3 y_4) + b^r_{0,0,0,0,2,1,0,0,-2,0}(x_3^2 + y_3^2)(x_3 x_5 - x_3 y_5 + x_5 y_3 + y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 + y_3 y_5) +$$
$$b^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3 x_4 - x_3 y_4 - x_4 y_3 - y_3 y_4)(x_3 x_4 + x_3 y_4 + x_4 y_3 - y_3 y_4) +$$
$$b^r_{0,0,0,0,4,0,0,0,0,1}(x_5^2 + y_5^2)(x_3^2 - 2x_3 y_3 - y_3^2)(x_3^2 + 2x_3 y_3 - y_3^2) + b^r_{0,0,0,0,4,0,0,1,0,0}(x_4^2 + y_4^2)(x_3^2 -$$
$$2x_3 y_3 - y_3^2)(x_3^2 + 2x_3 y_3 - y_3^2) + b^r_{0,0,0,0,4,1,0,0,0,0}(x_3^2 + y_3^2)(x_3^2 - 2x_3 y_3 - y_3^2)(x_3^2 + 2x_3 y_3 -$$
$$y_3^2) + b^r_{0,0,0,1,-2,0,0,0,0,1}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) + b^r_{0,0,0,1,-2,0,0,1,0,0}(x_2^2 + y_2^2)(x_3 -$$
$$y_3)(x_3 + y_3)(x_4^2 + y_4^2) + b^r_{0,0,0,1,-2,1,0,0,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) +$$
$$b^r_{0,0,0,1,0,0,-2,0,0,1}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) + b^r_{0,0,0,1,0,0,-2,1,0,0}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 +$$
$$y_4)(x_4^2 + y_4^2) + b^r_{0,0,0,1,0,0,0,0,-4,0}(x_2^2 + y_2^2)(x_5^2 - 2x_5 y_5 - y_5^2)(x_5^2 + 2x_5 y_5 - y_5^2) +$$
$$b^r_{0,0,0,1,0,0,0,0,2,1}(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) + b^r_{0,0,0,1,0,0,0,1,2,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5 -$$
$$y_5)(x_5 + y_5) + b^r_{0,0,0,1,0,0,2,0,-2,0}(x_2^2 + y_2^2)(x_4 x_5 - x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) +$$
$$b^r_{0,0,0,1,0,0,4,0,0,0}(x_2^2 + y_2^2)(x_4^2 - 2x_4 y_4 - y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) + b^r_{0,0,0,1,0,1,-2,0,0,0}(x_2^2 +$$
$$y_2^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,1,0,1,0,0,2,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) +$$
$$b^r_{0,0,0,1,2,0,0,0,-2,0}(x_2^2 + y_2^2)(x_3 x_5 - x_3 y_5 + x_5 y_3 + y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 + y_3 y_5) +$$

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$$b^r_{0,0,0,1,2,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4)+$$

$$b^r_{0,0,0,1,4,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) + b^r_{0,0,0,2,-2,0,0,0,0,0,0}(x_2^2+$$

$$y_2^2)^2(x_3 - y_3)(x_3 + y_3) + b^r_{0,0,0,2,0,0,-2,0,0,0,0}(x_2^2 + y_2^2)^2(x_4 - y_4)(x_4 + y_4) + b^r_{0,0,0,2,0,0,0,0,0,2,0}(x_2^2+$$

$$y_2^2)^2(x_5 - y_5)(x_5 + y_5) + b^r_{0,0,1,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5-$$

$$x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,1,0,-1,0,-1,1,-1,0}(x_4^2+$$

$$y_4^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3-$$

$$y_2y_3y_4y_5) + b^r_{0,0,1,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4-$$

$$x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,1,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5-$$

$$x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)+$$

$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,1,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5+$$

$$x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5)+$$

$$b^r_{0,0,1,0,-3,0,1,0,-1,0}(x_2x_3^3x_4x_5 + x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4-$$

$$3x_2x_3x_4x_5y_3^2 - 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 - x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4+$$

$$3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 - 3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3-$$

$$y_2y_3^3y_4y_5) + b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4-$$

$$x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5+$$

$$x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5)+$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 + x_2x_4^3y_3y_5+$$

$$3x_2x_4^2x_5y_3y_4 - 3x_2x_4y_3y_4^2y_5 - x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4-$$

$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2-$$

$$y_2y_3y_4^3y_5) + b^r_{0,0,1,0,1,0,1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 + 3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3+$$

$$3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 - x_2x_5^3y_3y_4 + 3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5-$$

$$x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 - x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2-$$

$$3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) + b^r_{0,0,1,0,1,0,1,0,3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2-$$

$$3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 - x_2x_5^3y_3y_4+$$

$$3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2-$$

$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) + b^r_{0,0,1,0,1,0,3,0,-1,0}(x_2x_3x_4^3x_5+$$

$$3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 + x_2x_4^3y_3y_5 - 3x_2x_4^2x_5y_3y_4-$$

$$3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5+$$

$$x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 + y_2y_3y_4^3y_5)+$$

$$b^r_{0,0,1,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5+$$

$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,1,0,3,0,1,0,-1,0}(x_2x_3^3x_4x_5 + x_2x_3^3y_4y_5+$$

$$3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 - 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5+$$

$$x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5-$$

$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 + y_2y_3^3y_4y_5) + b^r_{0,0,1,1,-1,0,-1,0,-1,0}(x_2^2+$$

$$y_2^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3-$$

$$y_2y_3y_4y_5) + b^r_{0,0,1,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4-$$

$$x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,0,1,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5+$$

$$x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5)+$$

$$b^r_{0,0,2,0,-2,0,0,0,-2,0}(x_2x_3x_5 - x_2x_3y_5 - x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 + x_3y_2y_5 + x_5y_2y_3-$$

$$y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 - x_2y_3y_5 - x_3x_5y_2 + x_3y_2y_5 + x_5y_2y_3 + y_2y_3y_5)+$$

$$b^r_{0,0,2,0,-2,0,2,0,0,0}(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 + x_2y_3y_4 - x_3x_4y_2 - x_3y_2y_4 + x_4y_2y_3-$$

$$y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 + x_3x_4y_2 - x_3y_2y_4 + x_4y_2y_3 + y_2y_3y_4)+$$

$$b^r_{0,0,2,0,0,0,-2,0,-2,0}(x_2x_4x_5 - x_2x_4y_5 - x_2x_5y_4 - x_2y_4y_5 + x_4x_5y_2 + x_4y_2y_5 + x_5y_2y_4 -$$

$$y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 + x_2x_5y_4 - x_2y_4y_5 - x_4x_5y_2 + x_4y_2y_5 + x_5y_2y_4 + y_2y_4y_5)+$$

$$b^r_{0,0,2,0,0,0,0,0,0,2}(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2)^2 + b^r_{0,0,2,0,0,0,0,1,0,1}(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) + b^r_{0,0,2,0,0,0,0,2,0,0}(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2)^2 + b^r_{0,0,2,0,0,0,2,0,2,0}(x_2x_4x_5 - x_2x_4y_5 - x_2x_5y_4 -$$

$$x_2y_4y_5 - x_4x_5y_2 - x_4y_2y_5 - x_5y_2y_4 + y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 + x_2x_5y_4 - x_2y_4y_5 +$$

$$x_4x_5y_2 - x_4y_2y_5 - x_5y_2y_4 - y_2y_4y_5) + b^r_{0,0,2,0,0,1,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2)(x_5^2 + y_5^2)+$$

$$b^r_{0,0,2,0,0,1,0,1,0,0}(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b^r_{0,0,2,0,0,2,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_3^2 +$$

$$y_3^2)^2 + b^r_{0,0,2,0,2,0,-2,0,0,0}(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 + x_2y_3y_4 + x_3x_4y_2 + x_3y_2y_4 - x_4y_2y_3 +$$

$$y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 - x_3x_4y_2 + x_3y_2y_4 - x_4y_2y_3 - y_2y_3y_4)+$$

$$b^r_{0,0,2,0,2,0,0,0,2,0}(x_2x_3x_5 - x_2x_3y_5 - x_2x_5y_3 - x_2y_3y_5 - x_3x_5y_2 - x_3y_2y_5 - x_5y_2y_3 +$$

$$y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 - x_3y_2y_5 - x_5y_2y_3 - y_2y_3y_5)+$$

$$b^r_{0,0,2,1,0,0,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b^r_{0,0,2,1,0,0,0,1,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 +$$

$$y_2^2)(x_4^2 + y_4^2) + b^r_{0,0,2,1,0,1,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b^r_{0,0,2,2,0,0,0,0,0,0}(x_2 -$$

$$y_2)(x_2 + y_2)(x_2^2 + y_2^2)^2 + b^r_{0,0,3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4x_5 + x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 +$$

$$x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 - 3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 -$$

$$3x_2x_3x_4x_5y_2^2 - 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5 +$$

$$x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) + b^r_{0,0,3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 +$$

$$x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 + 3x_2^2x_3x_5y_2y_4 - 3x_2^2x_4x_5y_2y_3 +$$

$$3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 - 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 -$$

$$x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) + b^r_{0,0,3,0,1,0,1,0,1,0}(x_2^3x_3x_4x_5 -$$

$$x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 - x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5 - 3x_2^2x_3x_5y_2y_4 -$$

$$3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 +$$

$$3x_2x_5y_2^2y_3y_4 + x_3x_4y_2^3y_5 + x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5)+$$

$$b^r_{0,0,4,0,0,0,0,0,-2,0}(x_2^2x_5 - x_2^2y_5 + 2x_2x_5y_2 + 2x_2y_2y_5 - x_5y_2^2 + y_2^2y_5)(x_2^2x_5 + x_2^2y_5 -$$

$$2x_2x_5y_2 + 2x_2y_2y_5 - x_5y_2^2 - y_2^2y_5) + b^r_{0,0,4,0,0,0,2,0,0,0}(x_2^2x_4 - x_2^2y_4 - 2x_2x_4y_2 - 2x_2y_2y_4 -$$

$$x_4y_2^2 + y_2^2y_4)(x_2^2x_4 + x_2^2y_4 + 2x_2x_4y_2 - 2x_2y_2y_4 - x_4y_2^2 - y_2^2y_4)+$$

$$b^r_{0,0,4,0,2,0,0,0,0,0}(x_2^2x_3 - x_2^2y_3 - 2x_2x_3y_2 - 2x_2y_2y_3 - x_3y_2^2 + y_2^2y_3)(x_2^2x_3 + x_2^2y_3 +$$

$$2x_2x_3y_2 - 2x_2y_2y_3 - x_3y_2^2 - y_2^2y_3) + b^r_{0,1,-1,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5)+$$

$$b^r_{0,1,-1,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) + b^r_{0,1,-2,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_2x_5 - x_2y_5 - x_5y_2 -$$

$$y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) + b^r_{0,1,-2,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 +$$

$$x_2y_4 - x_4y_2 + y_2y_4) + b^r_{0,1,-2,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 +$$

$$y_2y_3) + b^r_{0,1,-4,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) + b^r_{0,1,0,0,-2,0,0,0,0,1}(x_1^2 +$$

$$y_1^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) + b^r_{0,1,0,0,-2,0,0,1,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)+$$

$$b^r_{0,1,0,0,-2,1,0,0,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) + b^r_{0,1,0,0,0,0,-2,0,0,1}(x_1^2 + y_1^2)(x_4 - y_4)(x_4 +$$

$$y_4)(x_5^2 + y_5^2) + b^r_{0,1,0,0,0,0,-2,1,0,0}(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) + b^r_{0,1,0,0,0,0,0,0,-4,0}(x_1^2 +$$

$$y_1^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) + b^r_{0,1,0,0,0,0,0,0,2,1}(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 +$$

$$y_5^2) + b^r_{0,1,0,0,0,0,0,1,2,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) + b^r_{0,1,0,0,0,0,2,0,-2,0}(x_1^2 + y_1^2)(x_4x_5 -$$

$$x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + b^r_{0,1,0,0,0,0,4,0,0,0}(x_1^2 + y_1^2)(x_4^2 - 2x_4y_4 -$$

$$y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) + b^r_{0,1,0,0,0,1,-2,0,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4)+$$

$$b^r_{0,1,0,0,0,1,0,0,2,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) + b^r_{0,1,0,0,0,2,0,0,0,-2,0}(x_1^2 + y_1^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + b^r_{0,1,0,0,2,0,2,0,0,0}(x_1^2 + y_1^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) + b^r_{0,1,0,0,4,0,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) + b^r_{0,1,0,1,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3) + b^r_{0,1,0,1,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) + b^r_{0,1,0,1,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) + b^r_{0,1,1,0,-1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,1,1,0,-1,0,1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) + b^r_{0,1,1,0,1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) + $$

$$b^r_{0,1,2,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) + b^r_{0,1,2,0,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2) + b^r_{0,1,2,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2) + b^r_{0,1,2,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2) + b^r_{0,2,0,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_3 - y_3)(x_3 + y_3) + b^r_{0,2,0,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)^2(x_4 - y_4)(x_4 + y_4) + b^r_{0,2,0,0,0,0,0,0,2,0}(x_1^2 + y_1^2)^2(x_5 - y_5)(x_5 + y_5) + b^r_{0,2,2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_2 - y_2)(x_2 + y_2) + b^r_{1,0,-1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + b^r_{1,0,-1,0,-2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + b^r_{1,0,-1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + $$

$$b^r_{1,0,-1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + b^r_{1,0,-1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + b^r_{1,0,-1,0,0,0,0,0,-4,0}(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4 - 4x_1x_5^3y_2y_5 + 4x_1x_5y_2y_5^3 + 4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 + x_5^4y_1y_2 - 6x_5^2y_1y_2y_5^2 + y_1y_2y_5^4) + $$

$$b^r_{1,0,-1,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{1,0,-1,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{1,0,-1,0,0,0,2,0,-2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 - 2x_1x_4^2x_5y_2y_5 + 2x_1x_4x_5^2y_2y_4 - 2x_1x_4y_2y_4y_5^2 + 2x_1x_5y_2y_4^2y_5 + 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 + x_4^2x_5^2y_1y_2 - x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 - x_5^2y_1y_2y_4^2 + y_1y_2y_4^2y_5^2) + $$

$$b^r_{1,0,-1,0,0,0,4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 + 4x_1x_4^3y_2y_4 - 4x_1x_4y_2y_4^3 - 4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 + x_4^4y_1y_2 - 6x_4^2y_1y_2y_4^2 + y_1y_2y_4^4) + b^r_{1,0,-1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + $$

$$b^r_{1,0,-1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) + b^r_{1,0,-1,0,2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 - 2x_1x_3^2x_5y_2y_5 + 2x_1x_3x_5^2y_2y_3 - 2x_1x_3y_2y_3y_5^2 + 2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 + x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2 + y_1y_2y_3^2y_5^2) + $$

$$b^r_{1,0,-1,0,2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 + 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2 - 2x_1x_4y_2y_3^2y_4 - 2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 - x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) + b^r_{1,0,-1,0,4,0,0,0,0,0}(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 + 4x_1x_3^3y_2y_3 - 4x_1x_3y_2y_3^3 - 4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 + x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) + b^r_{1,0,-1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) + b^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - $$

$$x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) + b_{1,0,-1,1,0,0,0,0,2,0}^r(x_2^2+$$

$$y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2)+$$

$$b_{1,0,-2,0,-1,0,-1,0,1,0}^r(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4+$$

$$2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2-$$

$$x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4+$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5-$$

$$2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5)+$$

$$b_{1,0,-2,0,1,0,1,0,-1,0}^r(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4-$$

$$2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2-$$

$$x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4-$$

$$x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5-$$

$$2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5)+$$

$$b_{1,0,-3,0,0,0,0,0,-2,0}^r(x_1x_2^3x_5^2 - x_1x_2^3y_5^2 - 6x_1x_2^2x_5y_2y_5 - 3x_1x_2x_5^2y_2^2 + 3x_1x_2y_2^2y_5^2+$$

$$2x_1x_5y_2^3y_5 + 2x_2^3x_5y_1y_5 + 3x_2^2x_5^2y_1y_2 - 3x_2^2y_1y_2y_5^2 - 6x_2x_5y_1y_2^2y_5-$$

$$x_5^2y_1y_2^3 + y_1y_2^3y_5^2) + b_{1,0,-3,0,0,0,0,2,0,0,0}^r(x_1x_2^3x_4^2 - x_1x_2^3y_4^2 + 6x_1x_2^2x_4y_2y_4-$$

$$3x_1x_2x_4^2y_2^2 + 3x_1x_2y_2^2y_4^2 - 2x_1x_4y_2^3y_4 - 2x_2^3x_4y_1y_4 + 3x_2^2x_4^2y_1y_2-$$

$$3x_2^2y_1y_2y_4^2 + 6x_2x_4y_1y_2^2y_4 - x_4^2y_1y_2^3 + y_1y_2^3y_4^2) + b_{1,0,-3,0,2,0,0,0,0,0}^r(x_1x_2^3x_3^2-$$

$$x_1x_2^3y_3^2 + 6x_1x_2^2x_3y_2y_3 - 3x_1x_2x_3^2y_2^2 + 3x_1x_2y_2^2y_3^2 - 2x_1x_3y_2^3y_3-$$

$$2x_2^3x_3y_1y_3 + 3x_2^2x_3^2y_1y_2 - 3x_2^2y_1y_2y_3^2 + 6x_2x_3y_1y_2^2y_3 - x_3^2y_1y_2^3 + y_1y_2^3y_3^2)+$$

$$b_{1,0,-5,0,0,0,0,0,0,0}^r(x_1x_2^5 - 10x_1x_2^3y_2^2 + 5x_1x_2y_2^4 + 5x_2^4y_1y_2 - 10x_2^2y_1y_2^3 + y_1y_2^5)+$$

$$b_{1,0,0,0,-1,0,-1,0,-1,1}^r(x_5^2 + y_5^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5+$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + b_{1,0,0,0,-1,0,-1,1,-1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5-$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + b_{1,0,0,0,-1,0,1,0,1,1}^r(x_5^2+$$

$$y_5^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3-$$

$$y_1y_3y_4y_5) + b_{1,0,0,0,-1,0,1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4-$$

$$x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + b_{1,0,0,0,-1,1,-1,0,-1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4x_5-$$

$$x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5)+$$

$$b_{1,0,0,0,-1,1,1,0,1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5-$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + b_{1,0,0,0,-3,0,1,0,-1,0}^r(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5-$$

$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5-$$

$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5-$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 - y_1y_3^3y_4y_5) + b_{1,0,0,0,1,0,-1,0,1,1}^r(x_5^2+$$

$$y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3-$$

$$y_1y_3y_4y_5) + b_{1,0,0,0,1,0,-1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4-$$

$$x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) + b_{1,0,0,0,1,0,-3,0,-1,0}^r(x_1x_3x_4^3x_5-$$

$$3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 + 3x_1x_4^2x_5y_3y_4-$$

$$3x_1x_4y_3y_4^2y_5 - x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 - 3x_3x_4y_1y_4^2y_5-$$

$$x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 + 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5)+$$

$$b_{1,0,0,0,1,0,1,0,-3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3+$$

$$3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 + 3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5-$$

$$x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2-$$

$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) + b_{1,0,0,0,1,0,1,0,3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2-$$

$3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 +$

$3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 + x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 -$

$x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) + b^r_{1,0,0,0,1,0,3,0,-1,0}(x_1x_3x_4^3x_5 +$

$3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 - 3x_1x_4^2x_5y_3y_4 -$

$3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 - 3x_3x_4y_1y_4^2y_5 +$

$x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 + y_1y_3y_4^3y_5) +$

$b^r_{1,0,0,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 +$

$x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) + b^r_{1,0,0,0,3,0,1,0,-1,0}(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5 +$

$3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 +$

$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 -$

$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) + b^r_{1,0,0,1,-1,0,-1,0,-1,0}(x_2^2 +$

$y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 -$

$y_1y_3y_4y_5) + b^r_{1,0,0,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 -$

$x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) + b^r_{1,0,0,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 +$

$x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) +$

$b^r_{1,0,1,0,-2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 - 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 +$

$x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 + 2x_1x_3x_5^2y_2y_3 - 2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 +$

$2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 - 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2 +$

$x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) +$

$b^r_{1,0,1,0,-2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 + 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$

$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 -$

$2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2 +$

$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 - y_1y_2y_3^2y_4^2) +$

$b^r_{1,0,1,0,0,0,-2,0,-2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 - 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 +$

$x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 + 2x_1x_4x_5^2y_2y_4 - 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 +$

$2x_2x_4^2x_5y_1y_5 + 2x_2x_4x_5^2y_1y_4 - 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2 +$

$x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) + b^r_{1,0,1,0,0,0,0,0,0,2}(x_5^2 +$

$y_5^2)^2(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,0,0,2,0,0}(x_4^2 +$

$y_4^2)^2(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,0,2,0,2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 - 4x_1x_2x_4x_5y_4y_5 -$

$x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 - 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 +$

$2x_1x_5y_2y_4^2y_5 - 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 + 2x_2x_5y_1y_4^2y_5 -$

$x_4^2x_5^2y_1y_2 + x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) +$

$b^r_{1,0,1,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,1,0,1,0,0}(x_3^2 + y_3^2)(x_4^2 +$

$y_4^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,0,2,0,0,0,0}(x_3^2 + y_3^2)^2(x_1x_2 - y_1y_2) + b^r_{1,0,1,0,2,0,-2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 +$

$4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 + 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 +$

$2x_1x_3y_2y_3y_4^2 - 2x_1x_4y_2y_3^2y_4 + 2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 -$

$2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2 + x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 -$

$y_1y_2y_3^2y_4^2) + b^r_{1,0,1,0,2,0,0,0,0,2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 - 4x_1x_2x_3x_5y_3y_5 -$

$x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 - 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2 +$

$2x_1x_5y_2y_3^2y_5 - 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 + 2x_2x_5y_1y_3^2y_5 -$

$x_3^2x_5^2y_1y_2 + x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) +$

$b^r_{1,0,1,1,0,0,0,0,0,0,1}(x_2^2 + y_2^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) + b^r_{1,0,1,1,0,0,0,0,1,0,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_1x_2 -$

$$y_1 y_2) + b^r_{1,0,1,1,0,1,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_1 x_2 - y_1 y_2) + b^r_{1,0,1,2,0,0,0,0,0,0}(x_2^2 + y_2^2)^2(x_1 x_2 -$$

$$y_1 y_2) + b^r_{1,0,2,0,-1,0,1,0,-1,0}(x_1 x_2^2 x_3 x_4 x_5 + x_1 x_2^2 x_3 y_4 y_5 - x_1 x_2^2 x_4 y_3 y_5 + x_1 x_2^2 x_5 y_3 y_4 +$$

$$2 x_1 x_2 x_3 x_4 y_2 y_5 - 2 x_1 x_2 x_3 x_5 y_2 y_4 + 2 x_1 x_2 x_4 x_5 y_2 y_3 + 2 x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 -$$

$$x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 - x_1 x_5 y_2^2 y_3 y_4 + x_2^2 x_3 x_4 y_1 y_5 - x_2^2 x_3 x_5 y_1 y_4 +$$

$$x_2^2 x_4 x_5 y_1 y_3 + x_2^2 y_1 y_3 y_4 y_5 - 2 x_2 x_3 x_4 x_5 y_1 y_2 - 2 x_2 x_3 y_1 y_2 y_4 y_5 + 2 x_2 x_4 y_1 y_2 y_3 y_5 -$$

$$2 x_2 x_5 y_1 y_2 y_3 y_4 - x_3 x_4 y_1 y_2^2 y_5 + x_3 x_5 y_1 y_2^2 y_4 - x_4 x_5 y_1 y_2^2 y_3 - y_1 y_2^2 y_3 y_4 y_5) +$$

$$b^r_{1,0,2,0,1,0,-1,0,-1,0}(x_1 x_2^2 x_3 x_4 x_5 - x_1 x_2^2 x_3 y_4 y_5 + x_1 x_2^2 x_4 y_3 y_5 + x_1 x_2^2 x_5 y_3 y_4 +$$

$$2 x_1 x_2 x_3 x_4 y_2 y_5 + 2 x_1 x_2 x_3 x_5 y_2 y_4 - 2 x_1 x_2 x_4 x_5 y_2 y_3 + 2 x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 +$$

$$x_1 x_3 y_2^2 y_4 y_5 - x_1 x_4 y_2^2 y_3 y_5 - x_1 x_5 y_2^2 y_3 y_4 + x_2^2 x_3 x_4 y_1 y_5 + x_2^2 x_3 x_5 y_1 y_4 -$$

$$x_2^2 x_4 x_5 y_1 y_3 + x_2^2 y_1 y_3 y_4 y_5 - 2 x_2 x_3 x_4 x_5 y_1 y_2 + 2 x_2 x_3 y_1 y_2 y_4 y_5 - 2 x_2 x_4 y_1 y_2 y_3 y_5 -$$

$$2 x_2 x_5 y_1 y_2 y_3 y_4 - x_3 x_4 y_1 y_2^2 y_5 - x_3 x_5 y_1 y_2^2 y_4 + x_4 x_5 y_1 y_2^2 y_3 - y_1 y_2^2 y_3 y_4 y_5) +$$

$$b^r_{1,0,2,0,1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 x_5 - x_1 x_2^2 x_3 y_4 y_5 - x_1 x_2^2 x_4 y_3 y_5 - x_1 x_2^2 x_5 y_3 y_4 -$$

$$2 x_1 x_2 x_3 x_4 y_2 y_5 - 2 x_1 x_2 x_3 x_5 y_2 y_4 - 2 x_1 x_2 x_4 x_5 y_2 y_3 + 2 x_1 x_2 y_2 y_3 y_4 y_5 - x_1 x_3 x_4 x_5 y_2^2 +$$

$$x_1 x_3 y_2^2 y_4 y_5 + x_1 x_4 y_2^2 y_3 y_5 + x_1 x_5 y_2^2 y_3 y_4 - x_2^2 x_3 x_4 y_1 y_5 - x_2^2 x_3 x_5 y_1 y_4 -$$

$$x_2^2 x_4 x_5 y_1 y_3 + x_2^2 y_1 y_3 y_4 y_5 - 2 x_2 x_3 x_4 x_5 y_1 y_2 + 2 x_2 x_3 y_1 y_2 y_4 y_5 + 2 x_2 x_4 y_1 y_2 y_3 y_5 +$$

$$2 x_2 x_5 y_1 y_2 y_3 y_4 + x_3 x_4 y_1 y_2^2 y_5 + x_3 x_5 y_1 y_2^2 y_4 + x_4 x_5 y_1 y_2^2 y_3 - y_1 y_2^2 y_3 y_4 y_5) +$$

$$b^r_{1,0,3,0,0,0,0,0,-2,0}(x_1 x_2^3 x_5^2 - x_1 x_2^3 y_5^2 + 6 x_1 x_2^2 x_5 y_2 y_5 - 3 x_1 x_2 x_5^2 y_2^2 + 3 x_1 x_2 y_2^2 y_5^2 -$$

$$2 x_1 x_5 y_2^3 y_5 + 2 x_2^3 x_5 y_1 y_5 - 3 x_2^2 x_5^2 y_1 y_2 + 3 x_2^2 y_1 y_2 y_5^2 - 6 x_2 x_5 y_1 y_2^2 y_5 +$$

$$x_5^2 y_1 y_2^3 - y_1 y_2^3 y_5^2) + b^r_{1,0,3,0,0,0,2,0,0,0}(x_1 x_2^3 x_4^2 - x_1 x_2^3 y_4^2 - 6 x_1 x_2^2 x_4 y_2 y_4 -$$

$$3 x_1 x_2 x_4^2 y_2^2 + 3 x_1 x_2 y_2^2 y_4^2 + 2 x_1 x_4 y_2^3 y_4 - 2 x_2^3 x_4 y_1 y_4 - 3 x_2^2 x_4^2 y_1 y_2 +$$

$$3 x_2^2 y_1 y_2 y_4^2 + 6 x_2 x_4 y_1 y_2^2 y_4 + x_4^2 y_1 y_2^3 - y_1 y_2^3 y_4^2) + b^r_{1,0,3,0,2,0,0,0,0,0}(x_1 x_2^3 x_3^2 -$$

$$x_1 x_2^3 y_3^2 - 6 x_1 x_2^2 x_3 y_2 y_3 - 3 x_1 x_2 x_3^2 y_2^2 + 3 x_1 x_2 y_2^2 y_3^2 + 2 x_1 x_3 y_2^3 y_3 -$$

$$2 x_2^3 x_3 y_1 y_3 - 3 x_2^2 x_3^2 y_1 y_2 + 3 x_2^2 y_1 y_2 y_3^2 + 6 x_2 x_3 y_1 y_2^2 y_3 + x_3^2 y_1 y_2^3 - y_1 y_2^3 y_3^2) +$$

$$b^r_{1,1,-1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 - 2 x_1 x_3 y_2 y_3 + 2 x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 -$$

$$y_1 y_2 y_3^2) + b^r_{1,1,-1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 - 2 x_1 x_4 y_2 y_4 + 2 x_2 x_4 y_1 y_4 +$$

$$x_4^2 y_1 y_2 - y_1 y_2 y_4^2) + b^r_{1,1,-1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 + 2 x_1 x_5 y_2 y_5 -$$

$$2 x_2 x_5 y_1 y_5 + x_5^2 y_1 y_2 - y_1 y_2 y_5^2) + b^r_{1,1,0,0,-1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 - x_1 x_3 y_4 y_5 -$$

$$x_1 x_4 y_3 y_5 - x_1 x_5 y_3 y_4 + x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 + x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) + b^r_{1,1,0,0,-1,0,1,0,1,0}(x_1^2 +$$

$$y_1^2)(x_1 x_3 x_4 x_5 - x_1 x_3 y_4 y_5 + x_1 x_4 y_3 y_5 + x_1 x_5 y_3 y_4 - x_3 x_4 y_1 y_5 - x_3 x_5 y_1 y_4 + x_4 x_5 y_1 y_3 -$$

$$y_1 y_3 y_4 y_5) + b^r_{1,1,0,0,1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 x_5 + x_1 x_3 y_4 y_5 - x_1 x_4 y_3 y_5 + x_1 x_5 y_3 y_4 -$$

$$x_3 x_4 y_1 y_5 + x_3 x_5 y_1 y_4 - x_4 x_5 y_1 y_3 - y_1 y_3 y_4 y_5) + b^r_{1,1,1,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1 x_2 -$$

$$y_1 y_2) + b^r_{1,1,1,0,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1 x_2 - y_1 y_2) + b^r_{1,1,1,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 +$$

$$y_3^2)(x_1 x_2 - y_1 y_2) + b^r_{1,1,1,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1 x_2 - y_1 y_2) + b^r_{1,2,1,0,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)^2(x_1 x_2 - y_1 y_2) + b^r_{2,0,-1,0,-1,0,-1,0,-1,0}(x_1^2 x_2 x_3 x_4 x_5 - x_1^2 x_2 x_3 y_4 y_5 - x_1^2 x_2 x_4 y_3 y_5 -$$

$$x_1^2 x_2 x_5 y_3 y_4 - x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 + x_1^2 y_2 y_3 y_4 y_5 +$$

$$2 x_1 x_2 x_3 x_4 y_1 y_5 + 2 x_1 x_2 x_3 x_5 y_1 y_4 + 2 x_1 x_2 x_4 x_5 y_1 y_3 - 2 x_1 x_2 y_1 y_3 y_4 y_5 +$$

$$2 x_1 x_3 x_4 x_5 y_1 y_2 - 2 x_1 x_3 y_1 y_2 y_4 y_5 - 2 x_1 x_4 y_1 y_2 y_3 y_5 - 2 x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 +$$

$$x_2 x_3 y_1^2 y_4 y_5 + x_2 x_4 y_1^2 y_3 y_5 + x_2 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^2 y_2 y_5 + x_3 x_5 y_1^2 y_2 y_4 +$$

$$x_4 x_5 y_1^2 y_2 y_3 - y_1^2 y_2 y_3 y_4 y_5) + b^r_{2,0,-1,0,-1,0,1,0,1,0}(x_1^2 x_2 x_3 x_4 x_5 - x_1^2 x_2 x_3 y_4 y_5 +$$

$$x_1^2 x_2 x_4 y_3 y_5 + x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 + x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 +$$

$$x_1^2 y_2 y_3 y_4 y_5 - 2 x_1 x_2 x_3 x_4 y_1 y_5 - 2 x_1 x_2 x_3 x_5 y_1 y_4 + 2 x_1 x_2 x_4 x_5 y_1 y_3 - 2 x_1 x_2 y_1 y_3 y_4 y_5 -$$

$$2 x_1 x_3 x_4 x_5 y_1 y_2 - 2 x_1 x_3 y_1 y_2 y_4 y_5 + 2 x_1 x_4 y_1 y_2 y_3 y_5 + 2 x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4+$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + b_{2,0,-1,0,1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5-$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5+$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2-$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4-$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + b_{2,0,-2,0,-2,0,0,0,0,0}^r(x_1x_2x_3 - x_1x_2y_3 - x_1x_3y_2 - x_1y_2y_3+$$

$$x_2x_3y_1 + x_2y_1y_3 + x_3y_1y_2 - y_1y_2y_3)(x_1x_2x_3 + x_1x_2y_3 + x_1x_3y_2 - x_1y_2y_3 - x_2x_3y_1+$$

$$x_2y_1y_3 + x_3y_1y_2 + y_1y_2y_3) + b_{2,0,-2,0,0,0,0,-2,0,0,0}^r(x_1x_2x_4 - x_1x_2y_4 - x_1x_4y_2 - x_1y_2y_4 + x_2x_4y_1+$$

$$x_2y_1y_4 + x_4y_1y_2 - y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 + x_1x_4y_2 - x_1y_2y_4 - x_2x_4y_1 + x_2y_1y_4+$$

$$x_4y_1y_2 + y_1y_2y_4) + b_{2,0,-2,0,0,0,0,0,0,2,0}^r(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2 + x_1y_2y_5 - x_2x_5y_1 - x_2y_1y_5+$$

$$x_5y_1y_2 - y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5 + x_2x_5y_1 - x_2y_1y_5 + x_5y_1y_2+$$

$$y_1y_2y_5) + b_{2,0,0,0,-2,0,0,0,-2,0}^r(x_1x_3x_5 - x_1x_3y_5 - x_1x_5y_3 - x_1y_3y_5 + x_3x_5y_1 + x_3y_1y_5 + x_5y_1y_3-$$

$$y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 + x_1x_5y_3 - x_1y_3y_5 - x_3x_5y_1 + x_3y_1y_5 + x_5y_1y_3 + y_1y_3y_5)+$$

$$b_{2,0,0,0,-2,0,2,0,0,0}^r(x_1x_3x_4 - x_1x_3y_4 + x_1x_4y_3 + x_1y_3y_4 - x_3x_4y_1 - x_3y_1y_4 + x_4y_1y_3-$$

$$y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 - x_1x_4y_3 + x_1y_3y_4 + x_3x_4y_1 - x_3y_1y_4 + x_4y_1y_3 + y_1y_3y_4)+$$

$$b_{2,0,0,0,0,0,-2,0,-2,0}^r(x_1x_4x_5 - x_1x_4y_5 - x_1x_5y_4 - x_1y_4y_5 + x_4x_5y_1 + x_4y_1y_5 + x_5y_1y_4-$$

$$y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 + x_1x_5y_4 - x_1y_4y_5 - x_4x_5y_1 + x_4y_1y_5 + x_5y_1y_4 + y_1y_4y_5)+$$

$$b_{2,0,0,0,0,0,0,0,0,2}^r(x_1 - y_1)(x_1 + y_1)(x_5^2 + y_5^2)^2 + b_{2,0,0,0,0,0,0,1,0,1}^r(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2)(x_5^2+$$

$$y_5^2) + b_{2,0,0,0,0,0,0,2,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2)^2 + b_{2,0,0,0,0,0,2,0,2,0}^r(x_1x_4x_5 - x_1x_4y_5 - x_1x_5y_4-$$

$$x_1y_4y_5 - x_4x_5y_1 - x_4y_1y_5 - x_5y_1y_4 + y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 + x_1x_5y_4 - x_1y_4y_5+$$

$$x_4x_5y_1 - x_4y_1y_5 - x_5y_1y_4 - y_1y_4y_5) + b_{2,0,0,0,0,1,0,0,0,1}^r(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2)(x_5^2 + y_5^2)+$$

$$b_{2,0,0,0,0,1,0,1,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + b_{2,0,0,0,0,2,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_3^2+$$

$$y_3^2)^2 + b_{2,0,0,0,2,0,-2,0,0,0}^r(x_1x_3x_4 - x_1x_3y_4 + x_1x_4y_3 + x_1y_3y_4 + x_3x_4y_1 + x_3y_1y_4 - x_4y_1y_3+$$

$$y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 - x_1x_4y_3 + x_1y_3y_4 - x_3x_4y_1 + x_3y_1y_4 - x_4y_1y_3 - y_1y_3y_4)+$$

$$b_{2,0,0,0,2,0,0,0,2,0}^r(x_1x_3x_5 - x_1x_3y_5 - x_1x_5y_3 - x_1y_3y_5 - x_3x_5y_1 - x_3y_1y_5 - x_5y_1y_3+$$

$$y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 + x_1x_5y_3 - x_1y_3y_5 + x_3x_5y_1 - x_3y_1y_5 - x_5y_1y_3 - y_1y_3y_5)+$$

$$b_{2,0,0,1,0,0,0,0,0,1}^r(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2)(x_5^2 + y_5^2) + b_{2,0,0,1,0,0,0,1,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_2^2+$$

$$y_2^2)(x_4^2 + y_4^2) + b_{2,0,0,1,0,1,0,0,0,0}^r(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + b_{2,0,0,2,0,0,0,0,0,0}^r(x_1-$$

$$y_1)(x_1 + y_1)(x_2^2 + y_2^2)^2 + b_{2,0,1,0,-1,0,1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5+$$

$$x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5+$$

$$2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5-$$

$$2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2-$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4-$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + b_{2,0,1,0,1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5+$$

$$x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5-$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4-$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + b_{2,0,1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5-$$

$$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5-$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 +$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) + b^r_{2,0,2,0,0,0,0,0,0,-2,0}(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2 + x_1y_2y_5 +$$

$$x_2x_5y_1 + x_2y_1y_5 - x_5y_1y_2 + y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5 - x_2x_5y_1 +$$

$$x_2y_1y_5 - x_5y_1y_2 - y_1y_2y_5) + b^r_{2,0,2,0,0,0,0,2,0,0,0}(x_1x_2x_4 - x_1x_2y_4 - x_1x_4y_2 - x_1y_2y_4 - x_2x_4y_1 -$$

$$x_2y_1y_4 - x_4y_1y_2 + y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 + x_1x_4y_2 - x_1y_2y_4 + x_2x_4y_1 - x_2y_1y_4 -$$

$$x_4y_1y_2 - y_1y_2y_4) + b^r_{2,0,2,0,2,0,0,0,0,0}(x_1x_2x_3 - x_1x_2y_3 - x_1x_3y_2 - x_1y_2y_3 - x_2x_3y_1 - x_2y_1y_3 -$$

$$x_3y_1y_2 + y_1y_2y_3)(x_1x_2x_3 + x_1x_2y_3 + x_1x_3y_2 - x_1y_2y_3 + x_2x_3y_1 - x_2y_1y_3 - x_3y_1y_2 -$$

$$y_1y_2y_3) + b^r_{2,1,0,0,0,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_5^2 + y_5^2) + b^r_{2,1,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1 +$$

$$y_1)(x_1^2 + y_1^2)(x_4^2 + y_4^2) + b^r_{2,1,0,0,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_3^2 + y_3^2) +$$

$$b^r_{2,1,0,1,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_2^2 + y_2^2) + b^r_{2,2,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 +$$

$$y_1^2)^2 + b^r_{3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) +$$

$$b^r_{3,0,-1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) + b^r_{3,0,-1,0,0,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) + b^r_{3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3x_2 + 3x_1^2y_1y_2 -$$

$$3x_1x_2y_1^2 - y_1^3y_2) + b^r_{3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4x_5 + x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 + x_1^3x_5y_3y_4 +$$

$$3x_1^2x_3x_4y_1y_5 - 3x_1^2x_3x_5y_1y_4 + 3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 -$$

$$3x_1x_3y_1^2y_4y_5 + 3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 -$$

$$x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) + b^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5 + x_1^3x_4y_3y_5 +$$

$$x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5 + 3x_1^2x_3x_5y_1y_4 - 3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5 -$$

$$3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 - 3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5 -$$

$$x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) + b^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5 -$$

$$x_1^3x_4y_3y_5 - x_1^3x_5y_3y_4 - 3x_1^2x_3x_4y_1y_5 - 3x_1^2x_3x_5y_1y_4 - 3x_1^2x_4x_5y_1y_3 +$$

$$3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 + 3x_1x_4y_1^2y_3y_5 + 3x_1x_5y_1^2y_3y_4 +$$

$$x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) + b^r_{3,0,1,0,0,0,0,0,0,-2,0}(x_1^3x_2x_5^2 -$$

$$x_1^3x_2y_5^2 + 2x_1^3x_5y_2y_5 + 6x_1^2x_2x_5y_1y_5 - 3x_1^2x_5^2y_1y_2 + 3x_1^2y_1y_2y_5^2 -$$

$$3x_1x_2x_5^2y_1^2 + 3x_1x_2y_1^2y_5^2 - 6x_1x_5y_1^2y_2y_5 - 2x_2x_5y_1^3y_5 + x_5^2y_1^3y_2 - y_1^3y_2y_5^2) +$$

$$b^r_{3,0,1,0,0,0,0,2,0,0,0}(x_1^3x_2x_4^2 - x_1^3x_2y_4^2 - 2x_1^3x_4y_2y_4 - 6x_1^2x_2x_4y_1y_4 - 3x_1^2x_4^2y_1y_2 +$$

$$3x_1^2y_1y_2y_4^2 - 3x_1x_2x_4^2y_1^2 + 3x_1x_2y_1^2y_4^2 + 6x_1x_4y_1^2y_2y_4 + 2x_2x_4y_1^3y_4 +$$

$$x_4^2y_1^3y_2 - y_1^3y_2y_4^2) + b^r_{3,0,1,0,2,0,0,0,0,0}(x_1^3x_2x_3^2 - x_1^3x_2y_3^2 - 2x_1^3x_3y_2y_3 -$$

$$6x_1^2x_2x_3y_1y_3 - 3x_1^2x_3^2y_1y_2 + 3x_1^2y_1y_2y_3^2 - 3x_1x_2x_3^2y_1^2 + 3x_1x_2y_1^2y_3^2 +$$

$$6x_1x_3y_1^2y_2y_3 + 2x_2x_3y_1^3y_3 + x_3^2y_1^3y_2 - y_1^3y_2y_3^2) + b^r_{3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3x_2 +$$

$$3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) + b^r_{4,0,-2,0,0,0,0,0,0,0}(x_1^2x_2 - x_1^2y_2 + 2x_1x_2y_1 + 2x_1y_1y_2 - x_2y_1^2 +$$

$$y_1^2y_2)(x_1^2x_2 + x_1^2y_2 - 2x_1x_2y_1 + 2x_1y_1y_2 - x_2y_1^2 - y_1^2y_2) + b^r_{4,0,0,0,0,0,0,0,0,-2,0}(x_1^2x_5 -$$

$$x_1^2y_5 + 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 + y_1^2y_5)(x_1^2x_5 + x_1^2y_5 - 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 -$$

$$y_1^2y_5) + b^r_{4,0,0,0,0,0,2,0,0,0}(x_1^2x_4 - x_1^2y_4 - 2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 + y_1^2y_4)(x_1^2x_4 +$$

$$x_1^2y_4 + 2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 - y_1^2y_4) + b^r_{4,0,0,0,2,0,0,0,0,0}(x_1^2x_3 - x_1^2y_3 - 2x_1x_3y_1 -$$

$$2x_1y_1y_3 - x_3y_1^2 + y_1^2y_3)(x_1^2x_3 + x_1^2y_3 + 2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2 - y_1^2y_3)$$

$$H^{(6)}_{XY} = b^r_{-1,0,-1,0,-2,0,-2,0,0,0}(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 +$$

$$x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2 +$$

$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2 -$$

$$2x_3^2x_4y_1y_2y_4 - 2x_3x_4^2y_1y_2y_3 + 2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4) -$$

$$b^r_{-1,0,-1,0,-2,0,0,0,2,0}(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 -$$

$$x_1 x_3^2 x_5^2 y_2 + x_1 x_3^2 y_2 y_5^2 - 4 x_1 x_3 x_5 y_2 y_3 y_5 + x_1 x_5^2 y_2 y_3^2 - x_1 y_2 y_3^2 y_5^2 -$$
$$x_2 x_3^2 x_5^2 y_1 + x_2 x_3^2 y_1 y_5^2 - 4 x_2 x_3 x_5 y_1 y_3 y_5 + x_2 x_5^2 y_1 y_3^2 - x_2 y_1 y_3^2 y_5^2 -$$
$$2 x_3^2 x_5 y_1 y_2 y_5 + 2 x_3 x_5^2 y_1 y_2 y_3 - 2 x_3 y_1 y_2 y_3 y_5^2 + 2 x_5 y_1 y_2 y_3^2 y_5) +$$
$$b_{-1,0,-1,0,-4,0,0,0,0,0}^r (4 x_1 x_2 x_3^3 y_3 - 4 x_1 x_2 x_3 y_3^3 + x_1 x_3^4 y_2 - 6 x_1 x_3^2 y_2 y_3^2 + x_1 y_2 y_3^4 +$$
$$x_2 x_3^4 y_1 - 6 x_2 x_3^2 y_1 y_3^2 + x_2 y_1 y_3^4 - 4 x_3^3 y_1 y_2 y_3 + 4 x_3 y_1 y_2 y_3^3) -$$
$$b_{-1,0,-1,0,0,0,-2,0,2,0}^r (2 x_1 x_2 x_4^2 x_5 y_5 - 2 x_1 x_2 x_4 x_5^2 y_4 + 2 x_1 x_2 x_4 y_4 y_5^2 - 2 x_1 x_2 x_5 y_4^2 y_5 -$$
$$x_1 x_4^2 x_5^2 y_2 + x_1 x_4^2 y_2 y_5^2 - 4 x_1 x_4 x_5 y_2 y_4 y_5 + x_1 x_5^2 y_2 y_4^2 - x_1 y_2 y_4^2 y_5^2 -$$
$$x_2 x_4^2 x_5^2 y_1 + x_2 x_4^2 y_1 y_5^2 - 4 x_2 x_4 x_5 y_1 y_4 y_5 + x_2 x_5^2 y_1 y_4^2 - x_2 y_1 y_4^2 y_5^2 -$$
$$2 x_4^2 x_5 y_1 y_2 y_5 + 2 x_4 x_5^2 y_1 y_2 y_4 - 2 x_4 y_1 y_2 y_4 y_5^2 + 2 x_5 y_1 y_2 y_4^2 y_5) +$$
$$b_{-1,0,-1,0,0,0,-4,0,0,0}^r (4 x_1 x_2 x_4^3 y_4 - 4 x_1 x_2 x_4 y_4^3 + x_1 x_4^4 y_2 - 6 x_1 x_4^2 y_2 y_4^2 + x_1 y_2 y_4^4 +$$
$$x_2 x_4^4 y_1 - 6 x_2 x_4^2 y_1 y_4^2 + x_2 y_1 y_4^4 - 4 x_4^3 y_1 y_2 y_4 + 4 x_4 y_1 y_2 y_4^3) + b_{-1,0,-1,0,0,0,0,0,-2,1}^r (x_5^2 +$$
$$y_5^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 + x_2 x_5^2 y_1 - x_2 y_1 y_5^2 - 2 x_5 y_1 y_2 y_5) -$$
$$b_{-1,0,-1,0,0,0,0,0,4,0}^r (4 x_1 x_2 x_5^3 y_5 - 4 x_1 x_2 x_5 y_5^3 - x_1 x_5^4 y_2 + 6 x_1 x_5^2 y_2 y_5^2 - x_1 y_2 y_5^4 -$$
$$x_2 x_5^4 y_1 + 6 x_2 x_5^2 y_1 y_5^2 - x_2 y_1 y_5^4 - 4 x_5^3 y_1 y_2 y_5 + 4 x_5 y_1 y_2 y_5^3) + b_{-1,0,-1,0,0,0,0,1,-2,0}^r (x_4^2 +$$
$$y_4^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 + x_2 x_5^2 y_1 - x_2 y_1 y_5^2 - 2 x_5 y_1 y_2 y_5) -$$
$$b_{-1,0,-1,0,0,0,2,0,0,1}^r (x_5^2 + y_5^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 - x_2 x_4^2 y_1 + x_2 y_1 y_4^2 -$$
$$2 x_4 y_1 y_2 y_4) - b_{-1,0,-1,0,0,0,2,1,0,0}^r (x_4^2 + y_4^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 - x_2 x_4^2 y_1 +$$
$$x_2 y_1 y_4^2 - 2 x_4 y_1 y_2 y_4) + b_{-1,0,-1,0,0,1,0,0,-2,0}^r (x_3^2 + y_3^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 +$$
$$x_2 x_5^2 y_1 - x_2 y_1 y_5^2 - 2 x_5 y_1 y_2 y_5) - b_{-1,0,-1,0,0,1,2,0,0,0}^r (x_3^2 + y_3^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 +$$
$$x_1 y_2 y_4^2 - x_2 x_4^2 y_1 + x_2 y_1 y_4^2 - 2 x_4 y_1 y_2 y_4) - b_{-1,0,-1,0,2,0,0,0,0,1}^r (x_5^2 + y_5^2)(2 x_1 x_2 x_3 y_3 -$$
$$x_1 x_3^2 y_2 + x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 - 2 x_3 y_1 y_2 y_3) - b_{-1,0,-1,0,2,0,0,0,1,0,0}^r (x_4^2 +$$
$$y_4^2)(2 x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 - 2 x_3 y_1 y_2 y_3) -$$
$$b_{-1,0,-1,0,2,1,0,0,0,0}^r (x_3^2 + y_3^2)(2 x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 -$$
$$2 x_3 y_1 y_2 y_3) + b_{-1,0,-1,1,0,0,0,0,-2,0}^r (x_2^2 + y_2^2)(2 x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 + x_2 x_5^2 y_1 -$$
$$x_2 y_1 y_5^2 - 2 x_5 y_1 y_2 y_5) - b_{-1,0,-1,1,0,0,2,0,0,0}^r (x_2^2 + y_2^2)(2 x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 -$$
$$x_2 x_4^2 y_1 + x_2 y_1 y_4^2 - 2 x_4 y_1 y_2 y_4) - b_{-1,0,-1,1,2,0,0,0,0,0}^r (x_2^2 + y_2^2)(2 x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 +$$
$$x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 - 2 x_3 y_1 y_2 y_3) + b_{-1,0,-2,0,-1,0,1,0,-1,0}^r (x_1 x_2^2 x_3 x_4 y_5 -$$
$$x_1 x_2^2 x_3 x_5 y_4 + x_1 x_2^2 x_4 x_5 y_3 + x_1 x_2^2 y_3 y_4 y_5 + 2 x_1 x_2 x_3 x_4 x_5 y_2 + 2 x_1 x_2 x_3 y_2 y_4 y_5 -$$
$$2 x_1 x_2 x_4 y_2 y_3 y_5 + 2 x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 + x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 -$$
$$x_1 y_2^2 y_3 y_4 y_5 + x_2^2 x_3 x_4 x_5 y_1 + x_2^2 x_3 y_1 y_4 y_5 - x_2^2 x_4 y_1 y_3 y_5 + x_2^2 x_5 y_1 y_3 y_4 -$$
$$2 x_2 x_3 x_4 y_1 y_2 y_5 + 2 x_2 x_3 x_5 y_1 y_2 y_4 - 2 x_2 x_4 x_5 y_1 y_2 y_3 - 2 x_2 y_1 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 y_2^2 -$$
$$x_3 y_1 y_2^2 y_4 y_5 + x_4 y_1 y_2^2 y_3 y_5 - x_5 y_1 y_2^2 y_3 y_4) + b_{-1,0,-2,0,1,0,-1,0,-1,0}^r (x_1 x_2^2 x_3 x_4 y_5 +$$
$$x_1 x_2^2 x_3 x_5 y_4 - x_1 x_2^2 x_4 x_5 y_3 + x_1 x_2^2 y_3 y_4 y_5 + 2 x_1 x_2 x_3 x_4 x_5 y_2 - 2 x_1 x_2 x_3 y_2 y_4 y_5 +$$
$$2 x_1 x_2 x_4 y_2 y_3 y_5 + 2 x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 + x_1 x_4 x_5 y_2^2 y_3 -$$
$$x_1 y_2^2 y_3 y_4 y_5 + x_2^2 x_3 x_4 x_5 y_1 - x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 + x_2^2 x_5 y_1 y_3 y_4 -$$
$$2 x_2 x_3 x_4 y_1 y_2 y_5 - 2 x_2 x_3 x_5 y_1 y_2 y_4 + 2 x_2 x_4 x_5 y_1 y_2 y_3 - 2 x_2 y_1 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 y_2^2 +$$
$$x_3 y_1 y_2^2 y_4 y_5 - x_4 y_1 y_2^2 y_3 y_5 - x_5 y_1 y_2^2 y_3 y_4) - b_{-1,0,-2,0,1,0,1,0,1,0}^r (x_1 x_2^2 x_3 x_4 y_5 +$$
$$x_1 x_2^2 x_3 x_5 y_4 + x_1 x_2^2 x_4 x_5 y_3 - x_1 x_2^2 y_3 y_4 y_5 - 2 x_1 x_2 x_3 x_4 x_5 y_2 + 2 x_1 x_2 x_3 y_2 y_4 y_5 +$$
$$2 x_1 x_2 x_4 y_2 y_3 y_5 + 2 x_1 x_2 x_5 y_2 y_3 y_4 - x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 +$$
$$x_1 y_2^2 y_3 y_4 y_5 - x_2^2 x_3 x_4 x_5 y_1 + x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 + x_2^2 x_5 y_1 y_3 y_4 -$$
$$2 x_2 x_3 x_4 y_1 y_2 y_5 - 2 x_2 x_3 x_5 y_1 y_2 y_4 - 2 x_2 x_4 x_5 y_1 y_2 y_3 + 2 x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 -$$
$$x_3 y_1 y_2^2 y_4 y_5 - x_4 y_1 y_2^2 y_3 y_5 - x_5 y_1 y_2^2 y_3 y_4) + b_{-1,0,-3,0,0,0,0,0,0,1}^r (x_5^2 + y_5^2)(3 x_1 x_2^2 y_2 -$$

$$x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) + b^r_{-1,0,-3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 -$$

$$3x_2y_1y_2^2) + b^r_{-1,0,-3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) +$$

$$b^r_{-1,0,-3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) - b^r_{-1,0,0,0,-1,0,-1,0,1,1}(x_5^2 +$$

$$y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 +$$

$$x_5y_1y_3y_4) - b^r_{-1,0,0,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 -$$

$$x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{-1,0,0,0,-1,0,-3,0,-1,0}(x_1x_3x_4^3y_5 +$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 +$$

$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) +$$

$$b^r_{-1,0,0,0,-1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 -$$

$$3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 +$$

$$3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 -$$

$$3x_5y_1y_3y_4y_5^2) - b^r_{-1,0,0,0,-1,0,1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 -$$

$$3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 -$$

$$x_3x_4x_5^3y_1 + 3x_3x_4x_5y_1y_5^2 + 3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 +$$

$$x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1x_3x_4^3y_5 -$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 -$$

$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) -$$

$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 -$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 +$$

$$3x_1x_3^2x_4x_5y_3 - 3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 +$$

$$x_1y_3^3y_4y_5 + x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 - 3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 -$$

$$3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 + x_5y_1y_3^3y_4) - b^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1x_3^3x_4y_5 +$$

$$x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 +$$

$$x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 + x_3^3y_1y_4y_5 - 3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 +$$

$$3x_3x_4x_5y_1y_3^2 - 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 + x_5y_1y_3^3y_4) +$$

$$b^r_{-1,0,0,0,1,0,-1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 +$$

$$3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 -$$

$$3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 + 3x_4x_5^2y_1y_3y_5 - x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 -$$

$$3x_5y_1y_3y_4y_5^2) - b^r_{-1,0,0,0,1,0,-1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 +$$

$$3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 -$$

$$x_3x_4x_5^3y_1 + 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 + 3x_4x_5^2y_1y_3y_5 -$$

$$x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) - b^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1x_3x_4^3y_5 - 3x_1x_3x_4^2x_5y_4 -$$

$$3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 - 3x_1x_4x_5y_3y_4^2 -$$

$$x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 + x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 -$$

$$3x_4^2x_5y_1y_3y_4 - 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) + b^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 -$$

$$x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) +$$

$$b^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 +$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) - b^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 -$$

$$3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 - 3x_1x_4x_5y_3y_4^2 +$$

$$x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 +$$

$$3x_4^2 x_5 y_1 y_3 y_4 - 3x_4 y_1 y_3 y_4^2 y_5 - x_5 y_1 y_3 y_4^3) + b_{-1,0,0,0,1,1,1,0,-1,0}^r (x_3^2 + y_3^2)(x_1 x_3 x_4 y_5 -$$

$$x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 + x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 - x_5 y_1 y_3 y_4) +$$

$$b_{-1,0,0,0,3,0,-1,0,-1,0}^r (x_1 x_3^3 x_4 y_5 + x_1 x_3^3 x_5 y_4 - 3x_1 x_3^2 x_4 x_5 y_3 + 3x_1 x_3^2 y_3 y_4 y_5 -$$

$$3x_1 x_3 x_4 y_3^2 y_5 - 3x_1 x_3 x_5 y_3^2 y_4 + x_1 x_4 x_5 y_3^3 - x_1 y_3^3 y_4 y_5 + x_3^3 x_4 x_5 y_1 - x_3^3 y_1 y_4 y_5 +$$

$$3x_3^2 x_4 y_1 y_3 y_5 + 3x_3^2 x_5 y_1 y_3 y_4 - 3x_3 x_4 x_5 y_1 y_3^2 + 3x_3 y_1 y_3^2 y_4 y_5 - x_4 y_1 y_3^3 y_5 -$$

$$x_5 y_1 y_3^3 y_4) - b_{-1,0,0,0,3,0,1,0,1,0}^r (x_1 x_3^3 x_4 y_5 + x_1 x_3^3 x_5 y_4 + 3x_1 x_3^2 x_4 x_5 y_3 - 3x_1 x_3^2 y_3 y_4 y_5 -$$

$$3x_1 x_3 x_4 y_3^2 y_5 - 3x_1 x_3 x_5 y_3^2 y_4 - x_1 x_4 x_5 y_3^3 + x_1 y_3^3 y_4 y_5 - x_3^3 x_4 x_5 y_1 + x_3^3 y_1 y_4 y_5 +$$

$$3x_3^2 x_4 y_1 y_3 y_5 + 3x_3^2 x_5 y_1 y_3 y_4 + 3x_3 x_4 x_5 y_1 y_3^2 - 3x_3 y_1 y_3^2 y_4 y_5 - x_4 y_1 y_3^3 y_5 -$$

$$x_5 y_1 y_3^3 y_4) - b_{-1,0,0,1,-1,0,-1,0,1,0}^r (x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 -$$

$$x_3 x_4 x_5 y_1 - x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b_{-1,0,0,1,1,0,1,0,-1,0}^r (x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 -$$

$$x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 + x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 - x_5 y_1 y_3 y_4) +$$

$$b_{-1,0,1,0,-2,0,0,0,0,1}^r (x_5^2 + y_5^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 + x_2 x_3^2 y_1 - x_2 y_1 y_3^2 +$$

$$2x_3 y_1 y_2 y_3) + b_{-1,0,1,0,-2,0,0,1,0,0}^r (x_4^2 + y_4^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 + x_2 x_3^2 y_1 -$$

$$x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) + b_{-1,0,1,0,-2,1,0,0,0,0}^r (x_3^2 + y_3^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 +$$

$$x_2 x_3^2 y_1 - x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) + b_{-1,0,1,0,0,0,-2,0,0,1}^r (x_5^2 + y_5^2)(2x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 +$$

$$x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 + 2x_4 y_1 y_2 y_4) + b_{-1,0,1,0,0,0,-2,1,0,0}^r (x_4^2 + y_4^2)(2x_1 x_2 x_4 y_4 -$$

$$x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 + 2x_4 y_1 y_2 y_4) + b_{-1,0,1,0,0,0,0,0,0,-4,0}^r (4x_1 x_2 x_5^3 y_5 -$$

$$4x_1 x_2 x_5 y_5^3 - x_1 x_5^4 y_2 + 6x_1 x_5^2 y_2 y_5^2 - x_1 y_2 y_5^4 + x_2 x_5^4 y_1 - 6x_2 x_5^2 y_1 y_5^2 +$$

$$x_2 y_1 y_5^4 + 4x_5^3 y_1 y_2 y_5 - 4x_5 y_1 y_2 y_5^3) - b_{-1,0,1,0,0,0,0,0,0,2,1}^r (x_5^2 + y_5^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 -$$

$$x_1 y_2 y_5^2 - x_2 x_5^2 y_1 + x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) - b_{-1,0,1,0,0,0,0,0,1,2,0}^r (x_4^2 + y_4^2)(2x_1 x_2 x_5 y_5 +$$

$$x_1 x_5^2 y_2 - x_1 y_2 y_5^2 - x_2 x_5^2 y_1 + x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) + b_{-1,0,1,0,0,0,0,2,0,-2,0}^r (2x_1 x_2 x_4^2 x_5 y_5 -$$

$$2x_1 x_2 x_4 x_5^2 y_4 + 2x_1 x_2 x_4 y_4 y_5^2 - 2x_1 x_2 x_5 y_4^2 y_5 - x_1 x_4^2 x_5^2 y_2 + x_1 x_4^2 y_2 y_5^2 -$$

$$4x_1 x_4 x_5 y_2 y_4 y_5 + x_1 x_5^2 y_2 y_4^2 - x_1 y_2 y_4^2 y_5^2 + x_2 x_4^2 x_5^2 y_1 - x_2 x_4^2 y_1 y_5^2 +$$

$$4x_2 x_4 x_5 y_1 y_4 y_5 - x_2 x_5^2 y_1 y_4^2 + x_2 y_1 y_4^2 y_5^2 + 2x_4^2 x_5 y_1 y_2 y_5 - 2x_4 x_5^2 y_1 y_2 y_4 +$$

$$2x_4 y_1 y_2 y_4 y_5^2 - 2x_5 y_1 y_2 y_4^2 y_5) - b_{-1,0,1,0,0,0,0,4,0,0,0}^r (4x_1 x_2 x_4^3 y_4 - 4x_1 x_2 x_4 y_4^3 + x_1 x_4^4 y_2 -$$

$$6x_1 x_4^2 y_2 y_4^2 + x_1 y_2 y_4^4 - x_2 x_4^4 y_1 + 6x_2 x_4^2 y_1 y_4^2 - x_2 y_1 y_4^4 + 4x_4^3 y_1 y_2 y_4 -$$

$$4x_4 y_1 y_2 y_4^3) + b_{-1,0,1,0,0,1,-2,0,0,0}^r (x_3^2 + y_3^2)(2x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 -$$

$$x_2 y_1 y_4^2 + 2x_4 y_1 y_2 y_4) - b_{-1,0,1,0,0,1,0,0,2,0}^r (x_3^2 + y_3^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 -$$

$$x_2 x_5^2 y_1 + x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) + b_{-1,0,1,0,2,0,0,0,-2,0}^r (2x_1 x_2 x_3^2 x_5 y_5 - 2x_1 x_2 x_3 x_5^2 y_3 +$$

$$2x_1 x_2 x_3 y_3 y_5^2 - 2x_1 x_2 x_5 y_3^2 y_5 - x_1 x_3^2 x_5^2 y_2 + x_1 x_3^2 y_2 y_5^2 - 4x_1 x_3 x_5 y_2 y_3 y_5 +$$

$$x_1 x_5^2 y_2 y_3^2 - x_1 y_2 y_3^2 y_5^2 + x_2 x_3^2 x_5^2 y_1 - x_2 x_3^2 y_1 y_5^2 + 4x_2 x_3 x_5 y_1 y_3 y_5 -$$

$$x_2 x_5^2 y_1 y_3^2 + x_2 y_1 y_3^2 y_5^2 + 2x_3^2 x_5 y_1 y_2 y_5 - 2x_3 x_5^2 y_1 y_2 y_3 + 2x_3 y_1 y_2 y_3 y_5^2 -$$

$$2x_5 y_1 y_2 y_3^2 y_5) - b_{-1,0,1,0,2,0,2,0,0,0}^r (2x_1 x_2 x_3^2 x_4 y_4 + 2x_1 x_2 x_3 x_4^2 y_3 - 2x_1 x_2 x_3 y_3 y_4^2 -$$

$$2x_1 x_2 x_4 y_3^2 y_4 + x_1 x_3^2 x_4^2 y_2 - x_1 x_3^2 y_2 y_4^2 - 4x_1 x_3 x_4 y_2 y_3 y_4 - x_1 x_4^2 y_2 y_3^2 +$$

$$x_1 y_2 y_3^2 y_4^2 - x_2 x_3^2 x_4^2 y_1 + x_2 x_3^2 y_1 y_4^2 + 4x_2 x_3 x_4 y_1 y_3 y_4 + x_2 x_4^2 y_1 y_3^2 -$$

$$x_2 y_1 y_3^2 y_4^2 + 2x_3^2 x_4 y_1 y_2 y_4 + 2x_3 x_4^2 y_1 y_2 y_3 - 2x_3 y_1 y_2 y_3 y_4^2 - 2x_4 y_1 y_2 y_3^2 y_4) -$$

$$b_{-1,0,1,0,4,0,0,0,0,0}^r (4x_1 x_2 x_3^3 y_3 - 4x_1 x_2 x_3 y_3^3 + x_1 x_3^4 y_2 - 6x_1 x_3^2 y_2 y_3^2 + x_1 y_2 y_3^4 -$$

$$x_2 x_3^4 y_1 + 6x_2 x_3^2 y_1 y_3^2 - x_2 y_1 y_3^4 + 4x_3^3 y_1 y_2 y_3 - 4x_3 y_1 y_2 y_3^3) + b_{-1,0,1,1,-2,0,0,0,0,0}^r (x_2^2 +$$

$$y_2^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 + x_1 y_2 y_3^2 + x_2 x_3^2 y_1 - x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) +$$

$$b_{-1,0,1,1,0,0,-2,0,0,0}^r (x_2^2 + y_2^2)(2x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 +$$

$$2x_4 y_1 y_2 y_4) - b_{-1,0,1,1,0,0,0,0,2,0}^r (x_2^2 + y_2^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 - x_2 x_5^2 y_1 +$$

$$x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) + b_{-1,0,2,0,-1,0,-1,0,-1,0}^r (x_1 x_2^2 x_3 x_4 y_5 + x_1 x_2^2 x_3 x_5 y_4 + x_1 x_2^2 x_4 x_5 y_3 -$$

$$x_1 x_2^2 y_3 y_4 y_5 - 2x_1 x_2 x_3 x_4 x_5 y_2 + 2x_1 x_2 x_3 y_2 y_4 y_5 + 2x_1 x_2 x_4 y_2 y_3 y_5 + 2x_1 x_2 x_5 y_2 y_3 y_4 -$$
$$x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 + x_1 y_2^2 y_3 y_4 y_5 + x_2^2 x_3 x_4 x_5 y_1 -$$
$$x_2^2 x_3 y_1 y_4 y_5 - x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 + 2x_2 x_3 x_4 y_1 y_2 y_5 + 2x_2 x_3 x_5 y_1 y_2 y_4 +$$
$$2x_2 x_4 x_5 y_1 y_2 y_3 - 2x_2 y_1 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 y_2^2 + x_3 y_1 y_2^2 y_4 y_5 + x_4 y_1 y_2^2 y_3 y_5 +$$
$$x_5 y_1 y_2^2 y_3 y_4) - b^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1 x_2^2 x_3 x_4 y_5 + x_1 x_2^2 x_3 x_5 y_4 - x_1 x_2^2 x_4 x_5 y_3 +$$
$$x_1 x_2^2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 x_5 y_2 - 2x_1 x_2 x_3 y_2 y_4 y_5 + 2x_1 x_2 x_4 y_2 y_3 y_5 + 2x_1 x_2 x_5 y_2 y_3 y_4 -$$
$$x_1 x_3 x_4 y_2^2 y_5 - x_1 x_3 x_5 y_2^2 y_4 + x_1 x_4 x_5 y_2^2 y_3 - x_1 y_2^2 y_3 y_4 y_5 - x_2^2 x_3 x_4 x_5 y_1 +$$
$$x_2^2 x_3 y_1 y_4 y_5 - x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 + 2x_2 x_3 x_4 y_1 y_2 y_5 + 2x_2 x_3 x_5 y_1 y_2 y_4 -$$
$$2x_2 x_4 x_5 y_1 y_2 y_3 + 2x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 - x_3 y_1 y_2^2 y_4 y_5 + x_4 y_1 y_2^2 y_3 y_5 +$$
$$x_5 y_1 y_2^2 y_3 y_4) - b^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1 x_2^2 x_3 x_4 y_5 - x_1 x_2^2 x_3 x_5 y_4 + x_1 x_2^2 x_4 x_5 y_3 +$$
$$x_1 x_2^2 y_3 y_4 y_5 + 2x_1 x_2 x_3 x_4 x_5 y_2 + 2x_1 x_2 x_3 y_2 y_4 y_5 - 2x_1 x_2 x_4 y_2 y_3 y_5 + 2x_1 x_2 x_5 y_2 y_3 y_4 -$$
$$x_1 x_3 x_4 y_2^2 y_5 + x_1 x_3 x_5 y_2^2 y_4 - x_1 x_4 x_5 y_2^2 y_3 - x_1 y_2^2 y_3 y_4 y_5 - x_2^2 x_3 x_4 x_5 y_1 -$$
$$x_2^2 x_3 y_1 y_4 y_5 + x_2^2 x_4 y_1 y_3 y_5 - x_2^2 x_5 y_1 y_3 y_4 + 2x_2 x_3 x_4 y_1 y_2 y_5 - 2x_2 x_3 x_5 y_1 y_2 y_4 +$$
$$2x_2 x_4 x_5 y_1 y_2 y_3 + 2x_2 y_1 y_2 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 y_2^2 + x_3 y_1 y_2^2 y_4 y_5 - x_4 y_1 y_2^2 y_3 y_5 +$$
$$x_5 y_1 y_2^2 y_3 y_4) - b^r_{-1,0,3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3x_2 y_1 y_2^2) -$$
$$b^r_{-1,0,3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3x_2 y_1 y_2^2) - b^r_{-1,0,3,0,0,1,0,0,0,0}(x_3^2 +$$
$$y_3^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3x_2 y_1 y_2^2) - b^r_{-1,0,3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(3x_1 x_2^2 y_2 -$$
$$x_1 y_2^3 - x_2^3 y_1 + 3x_2 y_1 y_2^2) + b^r_{-1,1,-1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 +$$
$$x_2 x_5^2 y_1 - x_2 y_1 y_5^2 - 2x_5 y_1 y_2 y_5) - b^r_{-1,1,-1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(2x_1 x_2 x_4 y_4 - x_1 x_4^2 y_2 +$$
$$x_1 y_2 y_4^2 - x_2 x_4^2 y_1 + x_2 y_1 y_4^2 - 2x_4 y_1 y_2 y_4) - b^r_{-1,1,-1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1 x_2 x_3 y_3 -$$
$$x_1 x_3^2 y_2 + x_1 y_2 y_3^2 - x_2 x_3^2 y_1 + x_2 y_1 y_3^2 - 2x_3 y_1 y_2 y_3) + b^r_{-1,1,-3,0,0,0,0,0,0,0}(x_1^2 +$$
$$y_1^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 + x_2^3 y_1 - 3x_2 y_1 y_2^2) - b^r_{-1,1,0,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 -$$
$$x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 - x_3 x_4 x_5 y_1 - x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) +$$
$$b^r_{-1,1,0,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 +$$
$$x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 - x_5 y_1 y_3 y_4) + b^r_{-1,1,1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(2x_1 x_2 x_3 y_3 - x_1 x_3^2 y_2 +$$
$$x_1 y_2 y_3^2 + x_2 x_3^2 y_1 - x_2 y_1 y_3^2 + 2x_3 y_1 y_2 y_3) + b^r_{-1,1,1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(2x_1 x_2 x_4 y_4 -$$
$$x_1 x_4^2 y_2 + x_1 y_2 y_4^2 + x_2 x_4^2 y_1 - x_2 y_1 y_4^2 + 2x_4 y_1 y_2 y_4) - b^r_{-1,1,1,0,0,0,0,0,-2,0}(x_1^2 +$$
$$y_1^2)(2x_1 x_2 x_5 y_5 + x_1 x_5^2 y_2 - x_1 y_2 y_5^2 - x_2 x_5^2 y_1 + x_2 y_1 y_5^2 + 2x_5 y_1 y_2 y_5) -$$
$$b^r_{-1,1,3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(3x_1 x_2^2 y_2 - x_1 y_2^3 - x_2^3 y_1 + 3x_2 y_1 y_2^2) +$$
$$b^r_{-2,0,-1,0,-1,0,1,0,-1,0}(x_1^2 x_2 x_3 x_4 y_5 - x_1^2 x_2 x_3 x_5 y_4 + x_1^2 x_2 x_4 x_5 y_3 + x_1^2 x_2 y_3 y_4 y_5 +$$
$$x_1^2 x_3 x_4 x_5 y_2 + x_1^2 x_3 y_2 y_4 y_5 - x_1^2 x_4 y_2 y_3 y_5 + x_1^2 x_5 y_2 y_3 y_4 + 2x_1 x_2 x_3 x_4 x_5 y_1 +$$
$$2x_1 x_2 x_3 y_1 y_4 y_5 - 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 - 2x_1 x_3 x_4 y_1 y_2 y_5 +$$
$$2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 - 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 + x_2 x_3 x_5 y_1^2 y_4 -$$
$$x_2 x_4 x_5 y_1^2 y_3 - x_2 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^2 y_2 - x_3 y_1^2 y_2 y_4 y_5 + x_4 y_1^2 y_2 y_3 y_5 -$$
$$x_5 y_1^2 y_2 y_3 y_4) + b^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2 x_2 x_3 x_4 y_5 + x_1^2 x_2 x_3 x_5 y_4 - x_1^2 x_2 x_4 x_5 y_3 +$$
$$x_1^2 x_2 y_3 y_4 y_5 + x_1^2 x_3 x_4 x_5 y_2 - x_1^2 x_3 y_2 y_4 y_5 + x_1^2 x_4 y_2 y_3 y_5 + x_1^2 x_5 y_2 y_3 y_4 +$$
$$2x_1 x_2 x_3 x_4 x_5 y_1 - 2x_1 x_2 x_3 y_1 y_4 y_5 + 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 -$$
$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 + 2x_1 x_4 x_5 y_1 y_2 y_3 + 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 -$$
$$x_2 x_3 x_5 y_1^2 y_4 + x_2 x_4 x_5 y_1^2 y_3 - x_2 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^2 y_2 + x_3 y_1^2 y_2 y_4 y_5 -$$
$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) - b^r_{-2,0,-1,0,1,0,1,0,1,0}(x_1^2 x_2 x_3 x_4 y_5 + x_1^2 x_2 x_3 x_5 y_4 +$$
$$x_1^2 x_2 x_4 x_5 y_3 - x_1^2 x_2 y_3 y_4 y_5 - x_1^2 x_3 x_4 x_5 y_2 + x_1^2 x_3 y_2 y_4 y_5 + x_1^2 x_4 y_2 y_3 y_5 +$$
$$x_1^2 x_5 y_2 y_3 y_4 - 2x_1 x_2 x_3 x_4 x_5 y_1 + 2x_1 x_2 x_3 y_1 y_4 y_5 + 2x_1 x_2 x_4 y_1 y_3 y_5 + 2x_1 x_2 x_5 y_1 y_3 y_4 -$$
$$2x_1 x_3 x_4 y_1 y_2 y_5 - 2x_1 x_3 x_5 y_1 y_2 y_4 - 2x_1 x_4 x_5 y_1 y_2 y_3 + 2x_1 y_1 y_2 y_3 y_4 y_5 - x_2 x_3 x_4 y_1^2 y_5 -$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5-$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) + 2b^r_{-2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1)+$$

$$2b^r_{-2,0,-2,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) + 2b^r_{-2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2-$$

$$y_1y_2)(x_1y_2 + x_2y_1) + 2b^r_{-2,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1)+$$

$$2b^r_{-2,0,0,0,-2,0,-2,0,0,0}(x_1x_3x_4 - x_1y_3y_4 - x_3y_1y_4 - x_4y_1y_3)(x_1x_3y_4 + x_1x_4y_3 + x_3x_4y_1 - y_1y_3y_4)-$$

$$2b^r_{-2,0,0,0,-2,0,0,0,2,0}(x_1x_3x_5 + x_1y_3y_5 + x_3y_1y_5 - x_5y_1y_3)(x_1x_3y_5 - x_1x_5y_3 - x_3x_5y_1 - y_1y_3y_5)+$$

$$2b^r_{-2,0,0,0,-4,0,0,0,0,0}(x_1x_3^2 - x_1y_3^2 - 2x_3y_1y_3)(2x_1x_3y_3 + x_3^2y_1 - y_1y_3^2)-$$

$$2b^r_{-2,0,0,0,0,0,-2,0,2,0}(x_1x_4x_5 + x_1y_4y_5 + x_4y_1y_5 - x_5y_1y_4)(x_1x_4y_5 - x_1x_5y_4 - x_4x_5y_1 - y_1y_4y_5)+$$

$$2b^r_{-2,0,0,0,0,0,-4,0,0,0}(x_1x_4^2 - x_1y_4^2 - 2x_4y_1y_4)(2x_1x_4y_4 + x_4^2y_1 - y_1y_4^2) + 2b^r_{-2,0,0,0,0,0,0,0,-2,1}(x_5^2+$$

$$y_5^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b^r_{-2,0,0,0,0,0,0,0,4,0}(x_1x_5^2 - x_1y_5^2 + 2x_5y_1y_5)(2x_1x_5y_5 - x_5^2y_1+$$

$$y_1y_5^2) + 2b^r_{-2,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b^r_{-2,0,0,0,0,0,2,0,0,1}(x_5^2+$$

$$y_5^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) - 2b^r_{-2,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1)+$$

$$2b^r_{-2,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b^r_{-2,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1x_4+$$

$$y_1y_4)(x_1y_4 - x_4y_1) - 2b^r_{-2,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1)-$$

$$2b^r_{-2,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1) - 2b^r_{-2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_3+$$

$$y_1y_3)(x_1y_3 - x_3y_1) + 2b^r_{-2,0,0,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1)-$$

$$2b^r_{-2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) - 2b^r_{-2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_3+$$

$$y_1y_3)(x_1y_3 - x_3y_1) - b^r_{-2,0,1,0,-1,0,-1,0,1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 - x_1^2x_2x_4x_5y_3-$$

$$x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 - x_1^2x_5y_2y_3y_4-$$

$$2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5-$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b^r_{-2,0,1,0,1,0,1,0,-1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4-$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5+$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5+$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5+$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) + 2b^r_{-2,0,2,0,-2,0,0,0,0,0}(x_1x_2x_3 + x_1y_2y_3 - x_2y_1y_3+$$

$$x_3y_1y_2)(x_1x_2y_3 - x_1x_3y_2 + x_2x_3y_1 + y_1y_2y_3) + 2b^r_{-2,0,2,0,0,0,-2,0,0,0}(x_1x_2x_4 + x_1y_2y_4 - x_2y_1y_4+$$

$$x_4y_1y_2)(x_1x_2y_4 - x_1x_4y_2 + x_2x_4y_1 + y_1y_2y_4) - 2b^r_{-2,0,2,0,0,0,0,0,2,0}(x_1x_2x_5 - x_1y_2y_5 + x_2y_1y_5+$$

$$x_5y_1y_2)(x_1x_2y_5 + x_1x_5y_2 - x_2x_5y_1 + y_1y_2y_5) - 2b^r_{-2,0,4,0,0,0,0,0,0,0}(x_1x_2^2 - x_1y_2^2+$$

$$2x_2y_1y_2)(2x_1x_2y_2 - x_2^2y_1 + y_1y_2^2) + 2b^r_{-2,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1)+$$

$$2b^r_{-2,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b^r_{-2,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1x_4+$$

$$y_1y_4)(x_1y_4 - x_4y_1) - 2b^r_{-2,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1)+$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + b^r_{-3,0,-1,0,0,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + b^r_{-3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3y_2+$$

$$3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + b^r_{-3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3y_2 + 3x_1^2x_2y_1 - 3x_1y_1^2y_2-$$

$$x_2y_1^3) + b^r_{-3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4y_5 - x_1^3x_3x_5y_4 + x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5+$$

$$3x_1^2x_3x_4x_5y_1 + 3x_1^2x_3y_1y_4y_5 - 3x_1^2x_4y_1y_3y_5 + 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5-$$

$$3x_1x_3x_5y_1^2y_4 - 3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 - x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5+$$

$$x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) + b^r_{-3,0,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 - x_1^3x_4x_5y_3+$$

$$x_1^3y_3y_4y_5 + 3x_1^2x_3x_4x_5y_1 - 3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 + 3x_1^2x_5y_1y_3y_4-$$

$$3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 + 3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 - x_3x_4x_5y_1^3 +$$

$$x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) - b^r_{-3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 +$$

$$x_1^3x_4x_5y_3 - x_1^3y_3y_4y_5 - 3x_1^2x_3x_4x_5y_1 + 3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 +$$

$$3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 - 3x_1x_4x_5y_1^2y_3 + 3x_1y_1^2y_3y_4y_5 +$$

$$x_3x_4x_5y_1^3 - x_3y_1^3y_4y_5 - x_4y_1^3y_3y_5 - x_5y_1^3y_3y_4) + b^r_{-3,0,1,0,0,0,0,0,-2,0}(2x_1^3x_2x_5y_5 -$$

$$x_1^3x_5^2y_2 + x_1^3y_2y_5^2 + 3x_1^2x_2x_5^2y_1 - 3x_1^2x_2y_1y_5^2 + 6x_1^2x_5y_1y_2y_5 -$$

$$6x_1x_2x_5y_1^2y_5 + 3x_1x_5^2y_1^2y_2 - 3x_1y_1^2y_2y_5^2 - x_2x_5^2y_1^3 + x_2y_1^3y_5^2 - 2x_5y_1^3y_2y_5) -$$

$$b^r_{-3,0,1,0,0,0,2,0,0,0}(2x_1^3x_2x_4y_4 + x_1^3x_4^2y_2 - x_1^3y_2y_4^2 - 3x_1^2x_2x_4^2y_1 + 3x_1^2x_2y_1y_4^2 +$$

$$6x_1^2x_4y_1y_2y_4 - 6x_1x_2x_4y_1^2y_4 - 3x_1x_4^2y_1^2y_2 + 3x_1y_1^2y_2y_4^2 + x_2x_4^2y_1^3 -$$

$$x_2y_1^3y_4^2 - 2x_4y_1^3y_2y_4) - b^r_{-3,0,1,0,2,0,0,0,0,0}(2x_1^3x_2x_3y_3 + x_1^3x_3^2y_2 - x_1^3y_2y_3^2 -$$

$$3x_1^2x_2x_3^2y_1 + 3x_1^2x_2y_1y_3^2 + 6x_1^2x_3y_1y_2y_3 - 6x_1x_2x_3y_1^2y_3 - 3x_1x_3^2y_1^2y_2 +$$

$$3x_1y_1^2y_2y_3^2 + x_2x_3^2y_1^3 - x_2y_1^3y_3^2 - 2x_3y_1^3y_2y_3) + b^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3y_2 +$$

$$3x_1^2x_2y_1 - 3x_1y_1^2y_2 - x_2y_1^3) + 4b^r_{-4,0,0,0,0,0,0,0,0,0,1}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_5^2 + y_5^2) +$$

$$4b^r_{-4,0,0,0,0,0,0,0,1,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2) + 4b^r_{-4,0,0,0,0,1,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_3^2 +$$

$$y_3^2) + 4b^r_{-4,0,0,1,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) + 4b^r_{-4,1,0,0,0,0,0,0,0,0}x_1y_1(x_1 - y_1)(x_1 +$$

$$y_1)(x_1^2 + y_1^2) - b^r_{-5,0,1,0,0,0,0,0,0,0}(x_1^5y_2 - 5x_1^4x_2y_1 - 10x_1^3y_1^2y_2 + 10x_1^2x_2y_1^3 + 5x_1y_1^4y_2 -$$

$$x_2y_1^5) - b^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 -$$

$$x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 -$$

$$x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 - x_2x_3x_5y_4^3 +$$

$$x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2 -$$

$$3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 + x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 +$$

$$3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) + b^r_{0,0,-1,0,-1,0,1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 -$$

$$x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 + x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^3y_3y_4y_5 -$$

$$x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 + 3x_3x_5^3y_2y_4y_5 - x_3y_2y_4y_5^3 -$$

$$3x_4x_5^3y_2y_3y_5 + x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) -$$

$$b^r_{0,0,-1,0,-1,0,1,0,3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3 +$$

$$3x_2x_4x_5y_3y_5^2 + 3x_2x_5^3y_3y_4y_5 - x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 + 3x_3x_4x_5y_2y_5^2 +$$

$$3x_3x_5^3y_2y_4y_5 - x_3y_2y_4y_5^3 - 3x_4x_5^3y_2y_3y_5 + x_4y_2y_3y_5^3 - x_5^3y_2y_3y_4 +$$

$$3x_5y_2y_3y_4y_5^2) + b^r_{0,0,-1,0,-1,0,3,0,-1,0}(x_2x_3x_4^3y_5 - 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 +$$

$$x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2 +$$

$$3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 +$$

$$3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) - b^r_{0,0,-1,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,0,-1,0,-3,0,-1,0,-1,0}(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 - 3x_2x_3^2y_3y_4y_5 -$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 + x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 -$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 - 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 +$$

$$x_5y_2y_3^3y_4) - b^r_{0,0,-1,0,-3,0,1,0,1,0}(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 -$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 -$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 - 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 +$$

$$x_5y_2y_3^3y_4) + b^r_{0,0,-1,0,1,0,-1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 -$$

$$3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^3y_3y_4y_5 - x_2y_3y_4y_5^3 +$$

$$x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 + 3x_4x_5^3y_2y_3y_5 -$$
$$x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) - b_{0,0,-1,0,1,0,-1,0,3,0}^r(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 -$$
$$x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 + x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 -$$
$$x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 + 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 +$$
$$3x_4x_5^2y_2y_3y_5 - x_4y_2y_3y_5^3 - x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) - b_{0,0,-1,0,1,0,-3,0,1,0}^r(x_2x_3x_4^3y_5 -$$
$$3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 -$$
$$3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 - 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 +$$
$$x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 - 3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) +$$
$$b_{0,0,-1,0,1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$
$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + b_{0,0,-1,0,1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$
$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) -$$
$$b_{0,0,-1,0,1,0,3,0,1,0}^r(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 - x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 -$$
$$3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 + 3x_3x_4^2y_2y_4y_5 +$$
$$3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 - 3x_4y_2y_3y_4^2y_5 -$$
$$x_5y_2y_3y_4^3) + b_{0,0,-1,0,1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 +$$
$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + b_{0,0,-1,0,3,0,-1,0,-1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 -$$
$$3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 -$$
$$x_2y_3^3y_4y_5 + x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 + 3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 -$$
$$3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 - x_5y_2y_3^3y_4) - b_{0,0,-1,0,3,0,1,0,1,0}^r(x_2x_3^3x_4y_5 +$$
$$x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 - 3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 -$$
$$x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 + 3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 +$$
$$3x_3x_4x_5y_2y_3^2 - 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 - x_5y_2y_3^3y_4) - b_{0,0,-1,1,-1,0,-1,0,1,0}^r(x_2^2 +$$
$$y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 +$$
$$x_5y_2y_3y_4) + b_{0,0,-1,1,1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 +$$
$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + 2b_{0,0,-2,0,-2,0,-2,0,0,0}^r(x_2x_3x_4 - x_2y_3y_4 - x_3y_2y_4 -$$
$$x_4y_2y_3)(x_2x_3y_4 + x_2x_4y_3 + x_3x_4y_2 - y_2y_3y_4) - 2b_{0,0,-2,0,-2,0,0,0,2,0}^r(x_2x_3x_5 + x_2y_3y_5 + x_3y_2y_5 -$$
$$x_5y_2y_3)(x_2x_3y_5 - x_2x_5y_3 - x_3x_5y_2 - y_2y_3y_5) + 2b_{0,0,-2,0,-4,0,0,0,0,0}^r(x_2x_3^2 - x_2y_3^2 -$$
$$2x_3y_2y_3)(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2) - 2b_{0,0,-2,0,0,0,-2,0,2,0}^r(x_2x_4x_5 + x_2y_4y_5 + x_4y_2y_5 -$$
$$x_5y_2y_4)(x_2x_4y_5 - x_2x_5y_4 - x_4x_5y_2 - y_2y_4y_5) + 2b_{0,0,-2,0,0,0,-4,0,0,0}^r(x_2x_4^2 - x_2y_4^2 -$$
$$2x_4y_2y_4)(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2) + 2b_{0,0,-2,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) -$$
$$2b_{0,0,-2,0,0,0,0,0,4,0}^r(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2) + 2b_{0,0,-2,0,0,0,0,1,-2,0}^r(x_4^2 +$$
$$y_4^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) -$$
$$2b_{0,0,-2,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + 2b_{0,0,-2,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_2x_5 -$$
$$y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) -$$
$$2b_{0,0,-2,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) - 2b_{0,0,-2,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_2x_3 +$$
$$y_2y_3)(x_2y_3 - x_3y_2) - 2b_{0,0,-2,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) +$$
$$2b_{0,0,-2,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_2x_4 +$$
$$y_2y_4)(x_2y_4 - x_4y_2) - 2b_{0,0,-2,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) +$$
$$b_{0,0,-3,0,-1,0,1,0,-1,0}^r(x_2^3x_3x_4y_5 - x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 +$$
$$3x_2^2x_3y_2y_4y_5 - 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 -$$
$$3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) +$$
$$b_{0,0,-3,0,1,0,-1,0,-1,0}^r(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 - x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 -$$

$$3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4+$$

$$3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4)-$$

$$b_{0,0,-3,0,1,0,1,0,1,0}^r(x_2^3x_3x_4x_5 + x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 - x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2+$$

$$3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4-$$

$$3x_2x_4x_5y_2^2y_3 + 3x_2y_2^2y_3y_4y_5 + x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4)+$$

$$4b_{0,0,-4,0,0,0,0,0,0,1}^r x_2y_2(x_2-y_2)(x_2+y_2)(x_5^2+y_5^2) + 4b_{0,0,-4,0,0,0,0,1,0,0}^r x_2y_2(x_2-y_2)(x_2+y_2)(x_4^2+$$

$$y_4^2) + 4b_{0,0,-4,0,0,1,0,0,0,0}^r x_2y_2(x_2-y_2)(x_2+y_2)(x_3^2+y_3^2) + 4b_{0,0,-4,1,0,0,0,0,0,0}^r x_2y_2(x_2-y_2)(x_2+$$

$$y_2)(x_2^2+y_2^2) + 2b_{0,0,0,0,-2,0,-2,0,-2,0}^r(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4)(x_3x_4y_5 + x_3x_5y_4+$$

$$x_4x_5y_3 - y_3y_4y_5) + 2b_{0,0,0,0,-2,0,0,0,0,2}^r x_3y_3(x_5^2+y_5^2)^2 + 2b_{0,0,0,0,-2,0,0,1,0,1}^r x_3y_3(x_4^2+y_4^2)(x_5^2+$$

$$y_5^2) + 2b_{0,0,0,0,-2,0,0,2,0,0}^r x_3y_3(x_4^2+y_4^2)^2 - 2b_{0,0,0,0,-2,0,2,0,2,0}^r(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5+$$

$$x_5y_3y_4)(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) + 2b_{0,0,0,0,-2,1,0,0,0,1}^r x_3y_3(x_3^2+y_3^2)(x_5^2+y_5^2)+$$

$$2b_{0,0,0,0,-2,1,0,1,0,0}^r x_3y_3(x_3^2+y_3^2)(x_4^2+y_4^2) + 2b_{0,0,0,0,-2,2,0,0,0,0}^r x_3y_3(x_3^2+y_3^2)^2+$$

$$2b_{0,0,0,0,-4,0,0,0,-2,0}^r(x_3^2x_5 - 2x_3y_3y_5 - x_5y_3^2)(x_3^2y_5 + 2x_3x_5y_3 - y_3^2y_5)-$$

$$2b_{0,0,0,0,-4,0,2,0,0,0}^r(x_3^2x_4 + 2x_3y_3y_4 - x_4y_3^2)(x_3^2y_4 - 2x_3x_4y_3 - y_3^2y_4)+$$

$$2b_{0,0,0,0,0,0,-2,0,0,2}^r x_4y_4(x_5^2+y_5^2)^2 + 2b_{0,0,0,0,0,0,-2,1,0,1}^r x_4y_4(x_4^2+y_4^2)(x_5^2+y_5^2)+$$

$$2b_{0,0,0,0,0,0,-2,2,0,0}^r x_4y_4(x_4^2+y_4^2)^2 + 2b_{0,0,0,0,0,0,-4,0,-2,0}^r(x_4^2x_5 - 2x_4y_4y_5 - x_5y_4^2)(x_4^2y_5+$$

$$2x_4x_5y_4 - y_4^2y_5) + 4b_{0,0,0,0,0,0,0,0,-4,1}^r x_5y_5(x_5-y_5)(x_5+y_5)(x_5^2+y_5^2) - 2b_{0,0,0,0,0,0,0,0,2,2}^r x_5y_5(x_5^2+$$

$$y_5^2)^2 + 4b_{0,0,0,0,0,0,0,1,-4,0}^r x_5y_5(x_4^2+y_4^2)(x_5-y_5)(x_5+y_5) - 2b_{0,0,0,0,0,0,0,1,2,1}^r x_5y_5(x_4^2+y_4^2)(x_5^2+$$

$$y_5^2) - 2b_{0,0,0,0,0,0,0,2,2,0}^r x_5y_5(x_4^2+y_4^2)^2 + 2b_{0,0,0,0,0,0,2,0,-2,1}^r(x_5^2+y_5^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4)-$$

$$2b_{0,0,0,0,0,0,2,0,4,0}^r(x_4x_5^2 - x_4y_5^2 - 2x_5y_4y_5)(2x_4x_5y_5 + x_5^2y_4 - y_4y_5^2) + 2b_{0,0,0,0,0,0,2,1,-2,0}^r(x_4^2+$$

$$y_4^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b_{0,0,0,0,0,0,4,0,0,1}^r x_4y_4(x_4-y_4)(x_4+y_4)(x_5^2+y_5^2)-$$

$$4b_{0,0,0,0,0,0,4,1,0,0}^r x_4y_4(x_4-y_4)(x_4+y_4)(x_4^2+y_4^2) + 2b_{0,0,0,0,0,1,-2,0,0,1}^r x_4y_4(x_3^2+y_3^2)(x_5^2+y_5^2)+$$

$$2b_{0,0,0,0,0,1,-2,1,0,0}^r x_4y_4(x_3^2+y_3^2)(x_4^2+y_4^2) + 4b_{0,0,0,0,0,1,0,0,-4,0}^r x_5y_5(x_3^2+y_3^2)(x_5-y_5)(x_5+y_5)-$$

$$2b_{0,0,0,0,0,1,0,0,2,1}^r x_5y_5(x_3^2+y_3^2)(x_5^2+y_5^2) - 2b_{0,0,0,0,0,1,0,1,2,0}^r x_5y_5(x_3^2+y_3^2)(x_4^2+y_4^2)+$$

$$2b_{0,0,0,0,0,1,2,0,-2,0}^r(x_3^2+y_3^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b_{0,0,0,0,0,1,4,0,0,0}^r x_4y_4(x_3^2+y_3^2)(x_4-$$

$$y_4)(x_4+y_4) + 2b_{0,0,0,0,0,2,-2,0,0,0}^r x_4y_4(x_3^2+y_3^2)^2 - 2b_{0,0,0,0,0,2,0,0,0,2,0}^r x_5y_5(x_3^2+y_3^2)^2-$$

$$2b_{0,0,0,0,2,0,-2,0,2,0}^r(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)+$$

$$2b_{0,0,0,0,2,0,-4,0,0,0}^r(x_3x_4^2 - x_3y_4^2 + 2x_4y_3y_4)(2x_3x_4y_4 - x_4^2y_3 + y_3y_4^2) + 2b_{0,0,0,0,2,0,0,0,0,-2,1}^r(x_5^2+$$

$$y_5^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b_{0,0,0,0,2,0,0,0,4,0}^r(x_3x_5^2 - x_3y_5^2 - 2x_5y_3y_5)(2x_3x_5y_5 + x_5^2y_3-$$

$$y_3y_5^2) + 2b_{0,0,0,0,2,0,0,1,-2,0}^r(x_4^2+y_4^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b_{0,0,0,0,2,0,2,0,0,1}^r(x_5^2+$$

$$y_5^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) - 2b_{0,0,0,0,2,0,2,1,0,0}^r(x_4^2+y_4^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3)+$$

$$2b_{0,0,0,0,2,1,0,0,-2,0}^r(x_3^2+y_3^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b_{0,0,0,0,2,1,2,0,0,0}^r(x_3^2+y_3^2)(x_3x_4-$$

$$y_3y_4)(x_3y_4 + x_4y_3) - 4b_{0,0,0,0,4,0,0,0,0,1}^r x_3y_3(x_3-y_3)(x_3+y_3)(x_5^2+y_5^2) - 4b_{0,0,0,0,4,0,0,1,0,0}^r x_3y_3(x_3-$$

$$y_3)(x_3+y_3)(x_4^2+y_4^2) - 4b_{0,0,0,0,4,1,0,0,0,0}^r x_3y_3(x_3-y_3)(x_3+y_3)(x_3^2+y_3^2)+$$

$$2b_{0,0,0,1,-2,0,0,0,0,1}^r x_3y_3(x_2^2+y_2^2)(x_5^2+y_5^2) + 2b_{0,0,0,1,-2,0,0,1,0,0}^r x_3y_3(x_2^2+y_2^2)(x_4^2+y_4^2)+$$

$$2b_{0,0,0,1,-2,1,0,0,0,0}^r x_3y_3(x_2^2+y_2^2)(x_3^2+y_3^2) + 2b_{0,0,0,1,0,0,-2,0,0,1}^r x_4y_4(x_2^2+y_2^2)(x_5^2+y_5^2)+$$

$$2b_{0,0,0,1,0,0,-2,1,0,0}^r x_4y_4(x_2^2+y_2^2)(x_4^2+y_4^2) + 4b_{0,0,0,1,0,0,0,0,-4,0}^r x_5y_5(x_2^2+y_2^2)(x_5-y_5)(x_5+y_5)-$$

$$2b_{0,0,0,1,0,0,0,0,2,1}^r x_5y_5(x_2^2+y_2^2)(x_5^2+y_5^2) - 2b_{0,0,0,1,0,0,0,1,2,0}^r x_5y_5(x_2^2+y_2^2)(x_4^2+y_4^2)+$$

$$2b_{0,0,0,1,0,0,2,0,-2,0}^r(x_2^2+y_2^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b_{0,0,0,1,0,0,4,0,0,0}^r x_4y_4(x_2^2+y_2^2)(x_4-$$

$$y_4)(x_4+y_4) + 2b_{0,0,0,1,0,1,-2,0,0,0}^r x_4y_4(x_2^2+y_2^2)(x_3^2+y_3^2) - 2b_{0,0,0,1,0,1,0,0,2,0}^r x_5y_5(x_2^2+y_2^2)(x_3^2+$$

$$y_3^2) + 2b_{0,0,0,1,2,0,0,0,-2,0}^r(x_2^2+y_2^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b_{0,0,0,1,2,0,2,0,0,0}^r(x_2^2+y_2^2)(x_3x_4-$$

$$y_3y_4)(x_3y_4 + x_4y_3) - 4b_{0,0,0,1,4,0,0,0,0,0}^r x_3y_3(x_2^2+y_2^2)(x_3-y_3)(x_3+y_3) + 2b_{0,0,0,2,-2,0,0,0,0,0}^r x_3y_3(x_2^2+$$

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$$y_2^2)^2 + 2b^r_{0,0,0,2,0,0,-2,0,0,0}x_4y_4(x_2^2+y_2^2)^2 - 2b^r_{0,0,0,2,0,0,0,0,2,0}x_5y_5(x_2^2+y_2^2)^2+$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,1}(x_5^2+y_5^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-1,0,-1,1,-1,0}(x_4^2+y_4^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4+$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)-$$

$$b^r_{0,0,1,0,-1,0,1,0,1,1}(x_5^2+y_5^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2-$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,0,-1,0,1,1,1,0}(x_4^2+y_4^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}(x_3^2+y_3^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,0,-1,1,1,0,1,0}(x_3^2+y_3^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,-3,0,1,0,-1,0}(x_2x_3^3x_4y_5 - x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5-$$

$$3x_2x_3x_4y_3^2y_5 + 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5+$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5+$$

$$x_5y_2y_3^3y_4) - b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2+y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5+$$

$$x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2+y_4^2)(x_2x_3x_4y_5-$$

$$x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 - x_2x_3x_5y_4^3 - x_2x_4^3x_5y_3+$$

$$3x_2x_4^2y_3y_4y_5 + 3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 + 3x_3x_4^2y_2y_4y_5+$$

$$3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 + 3x_4y_2y_3y_4^2y_5+$$

$$x_5y_2y_3y_4^3) + b^r_{0,0,1,0,1,0,1,0,1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2-$$

$$x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 - 3x_2x_5^2y_3y_4y_5 + x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2+$$

$$3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3+$$

$$x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) - b^r_{0,0,1,0,1,0,1,0,1,0,3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4-$$

$$3x_2x_3x_5y_4y_5^2 + x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 - 3x_2x_5^2y_3y_4y_5 + x_2y_3y_4y_5^3+$$

$$x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5+$$

$$x_4y_2y_3y_5^3 - x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,1,0,1,0,3,0,-1,0}(x_2x_3x_4^3y_5 - 3x_2x_3x_4^2x_5y_4-$$

$$3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 - x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 + 3x_2x_4x_5y_3y_4^2+$$

$$x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 - 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 + x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5+$$

$$3x_4^2x_5y_2y_3y_4 + 3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) - b^r_{0,0,1,0,1,0,1,1,-1,0,1,0}(x_3^2+y_3^2)(x_2x_3x_4y_5-$$

$$x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,3,0,1,0,-1,0}(x_2x_3^3x_4y_5 - x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 - 3x_2x_3^2y_3y_4y_5-$$

$$3x_2x_3x_4y_3^2y_5 + 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5-$$

$$3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5-$$

$$x_5y_2y_3^3y_4) + b^r_{0,0,1,1,-1,0,-1,0,-1,0}(x_2^2+y_2^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5-$$

$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,1,-1,0,1,0,1,0}(x_2^2+y_2^2)(x_2x_3x_4y_5+$$

$$x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)-$$

$$b^r_{0,0,1,1,1,0,-1,0,1,0}(x_2^2+y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + 2b^r_{0,0,2,0,-2,0,0,0,-2,0}(x_2x_3x_5 - x_2y_3y_5 + x_3y_2y_5+$$

$$x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3 - x_3x_5y_2 + y_2y_3y_5) - 2b^r_{0,0,2,0,-2,0,2,0,0,0}(x_2x_3x_4 + x_2y_3y_4 - x_3y_2y_4+$$

$$x_4y_2y_3)(x_2x_3y_4 - x_2x_4y_3 + x_3x_4y_2 + y_2y_3y_4) + 2b^r_{0,0,2,0,0,0,-2,0,-2,0}(x_2x_4x_5 - x_2y_4y_5 + x_4y_2y_5+$$

$$x_5y_2y_4)(x_2x_4y_5 + x_2x_5y_4 - x_4x_5y_2 + y_2y_4y_5) - 2b^r_{0,0,2,0,0,0,0,0,0,2}x_2y_2(x_5^2+y_5^2)^2-$$

$$2b^r_{0,0,2,0,0,0,0,0,1,0,1}x_2y_2(x_4^2+y_4^2)(x_5^2+y_5^2) - 2b^r_{0,0,2,0,0,0,0,0,2,0,0}x_2y_2(x_4^2+y_4^2)^2-$$

$$2b^r_{0,0,2,0,0,0,2,0,2,0}(x_2x_4x_5 - x_2y_4y_5 - x_4y_2y_5 - x_5y_2y_4)(x_2x_4y_5 + x_2x_5y_4 + x_4x_5y_2 - y_2y_4y_5) -$$

$$2b^r_{0,0,2,0,0,1,0,0,0,1}x_2y_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2b^r_{0,0,2,0,0,1,0,1,0,0}x_2y_2(x_3^2 + y_3^2)(x_4^2 + y_4^2) -$$

$$2b^r_{0,0,2,0,0,2,0,0,0,0}x_2y_2(x_3^2 + y_3^2)^2 + 2b^r_{0,0,2,0,2,0,-2,0,0,0}(x_2x_3x_4 + x_2y_3y_4 + x_3y_2y_4 -$$

$$x_4y_2y_3)(x_2x_3y_4 - x_2x_4y_3 - x_3x_4y_2 - y_2y_3y_4) - 2b^r_{0,0,2,0,2,0,0,0,2,0}(x_2x_3x_5 - x_2y_3y_5 - x_3y_2y_5 -$$

$$x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3 + x_3x_5y_2 - y_2y_3y_5) - 2b^r_{0,0,2,1,0,0,0,0,0,1}x_2y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2) -$$

$$2b^r_{0,0,2,1,0,0,0,1,0,0}x_2y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) - 2b^r_{0,0,2,1,0,1,0,0,0,0}x_2y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2) -$$

$$2b^r_{0,0,2,2,0,0,0,0,0,0}x_2y_2(x_2^2 + y_2^2)^2 + b^r_{0,0,3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4y_5 - x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 +$$

$$x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 - 3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 - 3x_2^2x_5y_2y_3y_4 -$$

$$3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 + x_3x_4x_5y_2^3 +$$

$$x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) + b^r_{0,0,3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 -$$

$$x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 + 3x_2^2x_3y_2y_4y_5 - 3x_2^2x_4y_2y_3y_5 -$$

$$3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 + 3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 +$$

$$x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) - b^r_{0,0,3,0,1,0,1,0,1,0}(x_2^3x_3x_4y_5 +$$

$$x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 - x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 - 3x_2^2x_3y_2y_4y_5 -$$

$$3x_2^2x_4y_2y_3y_5 - 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3 +$$

$$3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) +$$

$$2b^r_{0,0,4,0,0,0,0,0,-2,0}(x_2^2x_5 + 2x_2y_2y_5 - x_5y_2^2)(x_2^2y_5 - 2x_2x_5y_2 - y_2^2y_5) - 2b^r_{0,0,4,0,0,0,2,0,0,0}(x_2^2x_4 -$$

$$2x_2y_2y_4 - x_4y_2^2)(x_2^2y_4 + 2x_2x_4y_2 - y_2^2y_4) - 2b^r_{0,0,4,0,2,0,0,0,0,0}(x_2^2x_3 - 2x_2y_2y_3 -$$

$$x_3y_2^2)(x_2^2y_3 + 2x_2x_3y_2 - y_2^2y_3) - b^r_{0,1,-1,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,1,-1,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + 2b^r_{0,1,-2,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) -$$

$$2b^r_{0,1,-2,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) - 2b^r_{0,1,-2,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2x_3 +$$

$$y_2y_3)(x_2y_3 - x_3y_2) + 4b^r_{0,1,-4,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2) +$$

$$2b^r_{0,1,0,0,-2,0,0,0,0,1}x_3y_3(x_1^2 + y_1^2)(x_5^2 + y_5^2) + 2b^r_{0,1,0,0,-2,0,0,1,0,0}x_3y_3(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$2b^r_{0,1,0,0,-2,1,0,0,0,0}x_3y_3(x_1^2 + y_1^2)(x_3^2 + y_3^2) + 2b^r_{0,1,0,0,0,0,-2,0,0,1}x_4y_4(x_1^2 + y_1^2)(x_5^2 + y_5^2) +$$

$$2b^r_{0,1,0,0,0,0,-2,1,0,0}x_4y_4(x_1^2 + y_1^2)(x_4^2 + y_4^2) + 4b^r_{0,1,0,0,0,0,0,0,-4,0}x_5y_5(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5) -$$

$$2b^r_{0,1,0,0,0,0,0,0,2,1}x_5y_5(x_1^2 + y_1^2)(x_5^2 + y_5^2) - 2b^r_{0,1,0,0,0,0,0,1,2,0}x_5y_5(x_1^2 + y_1^2)(x_4^2 + y_4^2) +$$

$$2b^r_{0,1,0,0,0,0,2,0,-2,0}(x_1^2 + y_1^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b^r_{0,1,0,0,0,0,4,0,0,0}x_4y_4(x_1^2 + y_1^2)(x_4 -$$

$$y_4)(x_4 + y_4) + 2b^r_{0,1,0,0,0,1,-2,0,0,0}x_4y_4(x_1^2 + y_1^2)(x_3^2 + y_3^2) - 2b^r_{0,1,0,0,0,1,0,0,2,0}x_5y_5(x_1^2 + y_1^2)(x_3^2 +$$

$$y_3^2) + 2b^r_{0,1,0,0,2,0,0,0,-2,0}(x_1^2 + y_1^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b^r_{0,1,0,0,2,0,2,0,0,0}(x_1^2 + y_1^2)(x_3x_4 -$$

$$y_3y_4)(x_3y_4 + x_4y_3) - 4b^r_{0,1,0,0,4,0,0,0,0,0}x_3y_3(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3) + 2b^r_{0,1,0,1,-2,0,0,0,0,0}x_3y_3(x_1^2 +$$

$$y_1^2)(x_2^2 + y_2^2) + 2b^r_{0,1,0,1,0,0,-2,0,0,0}x_4y_4(x_1^2 + y_1^2)(x_2^2 + y_2^2) - 2b^r_{0,1,0,1,0,0,0,0,2,0}x_5y_5(x_1^2 +$$

$$y_1^2)(x_2^2 + y_2^2) + b^r_{0,1,1,0,-1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 -$$

$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,1,1,0,-1,0,1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 +$$

$$x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) -$$

$$b^r_{0,1,1,0,1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) - 2b^r_{0,1,2,0,0,0,0,0,0,1}x_2y_2(x_1^2 + y_1^2)(x_5^2 + y_5^2) -$$

$$2b^r_{0,1,2,0,0,0,0,1,0,0}x_2y_2(x_1^2 + y_1^2)(x_4^2 + y_4^2) - 2b^r_{0,1,2,0,0,1,0,0,0,0}x_2y_2(x_1^2 + y_1^2)(x_3^2 + y_3^2) -$$

$$2b^r_{0,1,2,1,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2)(x_2^2 + y_2^2) + 2b^r_{0,2,0,0,0,-2,0,0,0,0}x_3y_3(x_1^2 + y_1^2)^2 +$$

$$2b^r_{0,2,0,0,0,0,-2,0,0,0}x_4y_4(x_1^2 + y_1^2)^2 - 2b^r_{0,2,0,0,0,0,0,0,2,0}x_5y_5(x_1^2 + y_1^2)^2 -$$

$$2b^r_{0,2,2,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2)^2 + b^r_{1,0,-1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 -$$

$$x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b_{1,0,-1,0,-2,0,0,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_2x_3y_3 +$$
$$x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b_{1,0,-1,0,-2,1,0,0,0,0}^r(x_3^2 +$$
$$y_3^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) +$$
$$b_{1,0,-1,0,0,0,-2,0,0,1}^r(x_5^2 + y_5^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 +$$
$$2x_4y_1y_2y_4) + b_{1,0,-1,0,0,0,-2,1,0,0}^r(x_4^2 + y_4^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 +$$
$$x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b_{1,0,-1,0,0,0,0,0,0,-4,0}^r(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 + x_1x_5^4y_2 -$$
$$6x_1x_5^2y_2y_5^2 + x_1y_2y_5^4 - x_2x_5^4y_1 + 6x_2x_5^2y_1y_5^2 - x_2y_1y_5^4 + 4x_5^3y_1y_2y_5 -$$
$$4x_5y_1y_2y_5^3) - b_{1,0,-1,0,0,0,0,0,2,1}^r(x_5^2 + y_5^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 -$$
$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) - b_{1,0,-1,0,0,0,0,0,1,2,0}^r(x_4^2 + y_4^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 +$$
$$x_2x_5^2y_1 - x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{1,0,-1,0,0,0,2,0,-2,0}^r(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4 +$$
$$2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 + x_1x_4^2x_5^2y_2 - x_1x_4^2y_2y_5^2 + 4x_1x_4x_5y_2y_4y_5 -$$
$$x_1x_5^2y_2y_4^2 + x_1y_2y_4^2y_5^2 - x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5 +$$
$$x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2 + 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2 -$$
$$2x_5y_1y_2y_4^2y_5) - b_{1,0,-1,0,0,0,4,0,0,0}^r(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 - x_1x_4^4y_2 + 6x_1x_4^2y_2y_4^2 -$$
$$x_1y_2y_4^4 + x_2x_4^4y_1 - 6x_2x_4^2y_1y_4^2 + x_2y_1y_4^4 + 4x_4^3y_1y_2y_4 - 4x_4y_1y_2y_4^3) +$$
$$b_{1,0,-1,0,0,1,-2,0,0,0}^r(x_3^2 + y_3^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 +$$
$$2x_4y_1y_2y_4) - b_{1,0,-1,0,0,1,0,0,2,0}^r(x_3^2 + y_3^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 -$$
$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{1,0,-1,0,2,0,0,0,-2,0}^r(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 -$$
$$2x_1x_2x_5y_3^2y_5 + x_1x_3^2x_5^2y_2 - x_1x_3^2y_2y_5^2 + 4x_1x_3x_5y_2y_3y_5 - x_1x_5^2y_2y_3^2 +$$
$$x_1y_2y_3^2y_5^2 - x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5 + x_2x_5^2y_1y_3^2 -$$
$$x_2y_1y_3^2y_5^2 + 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 - 2x_5y_1y_2y_3^2y_5) -$$
$$b_{1,0,-1,0,2,0,2,0,0,0}^r(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 -$$
$$x_1x_3^2x_4^2y_2 + x_1x_3^2y_2y_4^2 + 4x_1x_3x_4y_2y_3y_4 + x_1x_4^2y_2y_3^2 - x_1y_2y_3^2y_4^2 +$$
$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2 +$$
$$2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 - 2x_4y_1y_2y_3^2y_4) -$$
$$b_{1,0,-1,0,4,0,0,0,0,0}^r(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 - x_1x_3^4y_2 + 6x_1x_3^2y_2y_3^2 - x_1y_2y_3^4 +$$
$$x_2x_3^4y_1 - 6x_2x_3^2y_1y_3^2 + x_2y_1y_3^4 + 4x_3^3y_1y_2y_3 - 4x_3y_1y_2y_3^3) + b_{1,0,-1,1,-2,0,0,0,0,0}^r(x_2^2 +$$
$$y_2^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) +$$
$$b_{1,0,-1,1,0,0,-2,0,0,0}^r(x_2^2 + y_2^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 +$$
$$2x_4y_1y_2y_4) - b_{1,0,-1,1,0,0,0,0,2,0}^r(x_2^2 + y_2^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 -$$
$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) - b_{1,0,-2,0,-1,0,-1,0,1,0}^r(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 -$$
$$x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 -$$
$$x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 +$$
$$x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 -$$
$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 +$$
$$x_5y_1y_2^2y_3y_4) + b_{1,0,-2,0,1,0,1,0,-1,0}^r(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 -$$
$$x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4 -$$
$$x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 -$$
$$x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 -$$
$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 -$$
$$x_5y_1y_2^2y_3y_4) + b_{1,0,-3,0,0,0,0,0,0,-2,0}^r(2x_1x_2^3x_5y_5 + 3x_1x_2^2x_5^2y_2 - 3x_1x_2^2y_2y_5^2 -$$
$$6x_1x_2x_5y_2^2y_5 - x_1x_5^2y_2^3 + x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2 + 6x_2^2x_5y_1y_2y_5 +$$

$$3x_2x_5^2y_1y_2^2 - 3x_2y_1y_2^2y_5^2 - 2x_5y_1y_2^3y_5) - b^r_{1,0,-3,0,0,0,2,0,0,0}(2x_1x_2^3x_4y_4 -$$

$$3x_1x_2^2x_4^2y_2 + 3x_1x_2^3y_2y_4^2 - 6x_1x_2x_4y_2^2y_4 + x_1x_4^2y_2^3 - x_1y_2^3y_4^2 + x_2^3x_4^2y_1 -$$

$$x_2^3y_1y_4^2 + 6x_2^2x_4y_1y_2y_4 - 3x_2x_4^2y_1y_2^2 + 3x_2y_1y_2^2y_4^2 - 2x_4y_1y_2^3y_4) -$$

$$b^r_{1,0,-3,0,2,0,0,0,0,0}(2x_1x_2^3x_3y_3 - 3x_1x_2^2x_3^2y_2 + 3x_1x_2^2y_2y_3^2 - 6x_1x_2x_3y_2^2y_3 +$$

$$x_1x_3^2y_2^3 - x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2 + 6x_2^2x_3y_1y_2y_3 - 3x_2x_3^2y_1y_2^2 +$$

$$3x_2y_1y_2^2y_3^2 - 2x_3y_1y_2^3y_3) + b^r_{1,0,-5,0,0,0,0,0,0,0}(5x_1x_2^4y_2 - 10x_1x_2^2y_2^3 + x_1y_2^5 - x_2^5y_1 +$$

$$10x_2^3y_1y_2^2 - 5x_2y_1y_2^4) + b^r_{1,0,0,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 -$$

$$x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,0,0,-1,0,-1,1,-1,0}(x_4^2 +$$

$$y_4^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 +$$

$$x_5y_1y_3y_4) - b^r_{1,0,0,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 +$$

$$x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 +$$

$$x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 +$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 -$$

$$x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,0,-3,0,1,0,-1,0}(x_1x_3^3x_4y_5 - x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 -$$

$$3x_1x_3x_4y_3^2y_5 + 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 +$$

$$3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5 +$$

$$x_5y_1y_3^3y_4) - b^r_{1,0,0,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 +$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 -$$

$$x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 - x_1x_4^3x_5y_3 +$$

$$3x_1x_4^2y_3y_4y_5 + 3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 +$$

$$3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 +$$

$$x_5y_1y_3y_4^3) + b^r_{1,0,0,0,1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 -$$

$$x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 - 3x_1x_5^2y_3y_4y_5 + x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1 +$$

$$3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 +$$

$$x_5^3y_1y_3y_4 - 3x_5y_1y_3y_4y_5^2) - b^r_{1,0,0,0,1,0,1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 -$$

$$3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 - 3x_1x_5^2y_3y_4y_5 + x_1y_3y_4y_5^3 +$$

$$x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 +$$

$$x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{1,0,0,0,1,0,3,0,-1,0}(x_1x_3x_4^3y_5 - 3x_1x_3x_4^2x_5y_4 -$$

$$3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 - x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 + 3x_1x_4x_5y_3y_4^2 +$$

$$x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 + x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 +$$

$$3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) - b^r_{1,0,0,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 -$$

$$x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b^r_{1,0,0,0,3,0,1,0,-1,0}(x_1x_3^3x_4y_5 - x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 - 3x_1x_3^2y_3y_4y_5 -$$

$$3x_1x_3x_4y_3^2y_5 + 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 -$$

$$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 -$$

$$x_5y_1y_3^3y_4) + b^r_{1,0,0,1,-1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 -$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 +$$

$$x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) -$$

$$b^r_{1,0,0,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 +$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,1,0,-2,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5 + 2x_1x_2x_3x_5^2y_3-$$

$$2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 - x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 + 4x_1x_3x_5y_2y_3y_5+$$

$$x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2 - x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 + 4x_2x_3x_5y_1y_3y_5+$$

$$x_2x_5^2y_1y_3^2 - x_2y_1y_3^2y_5^2 - 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2+$$

$$2x_5y_1y_2y_3^2y_5) - b^r_{1,0,1,0,-2,0,2,0,0,0}(2x_1x_2x_3^2x_4y_4 - 2x_1x_2x_3x_4^2y_3 + 2x_1x_2x_3y_3y_4^2-$$

$$2x_1x_2x_4y_3^2y_4 + x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 + 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2+$$

$$x_1y_2y_3^2y_4^2 + x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 + 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2+$$

$$x_2y_1y_3^2y_4^2 - 2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4)+$$

$$b^r_{1,0,1,0,0,0,-2,0,-2,0}(2x_1x_2x_4^2x_5y_5 + 2x_1x_2x_4x_5^2y_4 - 2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5-$$

$$x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 + 4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 - x_1y_2y_4^2y_5^2-$$

$$x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 + 4x_2x_4x_5y_1y_4y_5 + x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2-$$

$$2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2 + 2x_5y_1y_2y_4^2y_5) - b^r_{1,0,1,0,0,0,0,0,0,2}(x_5^2+$$

$$y_5^2)^2(x_1y_2 + x_2y_1) - b^r_{1,0,1,0,0,0,0,0,1,0,1}(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) - b^r_{1,0,1,0,0,0,0,0,2,0,0}(x_4^2+$$

$$y_4^2)^2(x_1y_2 + x_2y_1) - b^r_{1,0,1,0,0,0,2,0,2,0}(2x_1x_2x_4^2x_5y_5 + 2x_1x_2x_4x_5^2y_4 - 2x_1x_2x_4y_4y_5^2-$$

$$2x_1x_2x_5y_4^2y_5 + x_1x_4^2x_5^2y_2 - x_1x_4^2y_2y_5^2 - 4x_1x_4x_5y_2y_4y_5 - x_1x_5^2y_2y_4^2+$$

$$x_1y_2y_4^2y_5^2 + x_2x_4^2x_5^2y_1 - x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5 - x_2x_5^2y_1y_4^2+$$

$$x_2y_1y_4^2y_5^2 - 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 + 2x_4y_1y_2y_4y_5^2 + 2x_5y_1y_2y_4^2y_5)-$$

$$b^r_{1,0,1,0,0,1,0,0,0,1}(x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) - b^r_{1,0,1,0,0,1,0,0,1,0,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1y_2+$$

$$x_2y_1) - b^r_{1,0,1,0,0,2,0,0,0,0}(x_3^2 + y_3^2)^2(x_1y_2 + x_2y_1) + b^r_{1,0,1,0,2,0,-2,0,0,0}(2x_1x_2x_3^2x_4y_4-$$

$$2x_1x_2x_3x_4^2y_3 + 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 - x_1x_3^2x_4^2y_2 + x_1x_3^2y_2y_4^2-$$

$$4x_1x_3x_4y_2y_3y_4 + x_1x_4^2y_2y_3^2 - x_1y_2y_3^2y_4^2 - x_2x_3^2x_4^2y_1 + x_2x_3^2y_1y_4^2-$$

$$4x_2x_3x_4y_1y_3y_4 + x_2x_4^2y_1y_3^2 - x_2y_1y_3^2y_4^2 - 2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3-$$

$$2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4) - b^r_{1,0,1,0,2,0,0,0,0,2,0}(2x_1x_2x_3^2x_5y_5 + 2x_1x_2x_3x_5^2y_3-$$

$$2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 + x_1x_3^2x_5^2y_2 - x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5-$$

$$x_1x_5^2y_2y_3^2 + x_1y_2y_3^2y_5^2 + x_2x_3^2x_5^2y_1 - x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5-$$

$$x_2x_5^2y_1y_3^2 + x_2y_1y_3^2y_5^2 - 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2+$$

$$2x_5y_1y_2y_3^2y_5) - b^r_{1,0,1,1,0,0,0,0,0,1}(x_2^2 + y_2^2)(x_5^2 + y_5^2)(x_1y_2 + x_2y_1) - b^r_{1,0,1,1,0,0,0,1,0,0}(x_2^2+$$

$$y_2^2)(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) - b^r_{1,0,1,1,0,1,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_1y_2 + x_2y_1)-$$

$$b^r_{1,0,1,2,0,0,0,0,0,0}(x_2^2 + y_2^2)^2(x_1y_2 + x_2y_1) + b^r_{1,0,2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4+$$

$$x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5-$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5-$$

$$x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5+$$

$$2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5-$$

$$x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{1,0,2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4-$$

$$x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5-$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5-$$

$$x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5-$$

$$2x_2x_3x_5y_1y_2y_4 + 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5+$$

$$x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) - b^r_{1,0,2,0,1,0,1,0,1,0}(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4+$$

$$x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5-$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5+$$

$$x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5-$$

$$2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5+$$

$$x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{1,0,3,0,0,0,0,0,-2,0}(2x_1x_2^3x_5y_5 - 3x_1x_2^2x_5^2y_2+$$

$$3x_1x_2^2y_2y_5^2 - 6x_1x_2x_5y_2^2y_5 + x_1x_5^2y_2^3 - x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2-$$

$$6x_2^2x_5y_1y_2y_5 + 3x_2x_5^2y_1y_2^2 - 3x_2y_1y_2^2y_5^2 + 2x_5y_1y_2^3y_5)-$$

$$b^r_{1,0,3,0,0,0,0,2,0,0,0}(2x_1x_2^3x_4y_4 + 3x_1x_2^2x_4^2y_2 - 3x_1x_2^2y_2y_4^2 - 6x_1x_2x_4y_2^2y_4-$$

$$x_1x_4^2y_2^3 + x_1y_2^3y_4^2 + x_2^3x_4^2y_1 - x_2^3y_1y_4^2 - 6x_2^2x_4y_1y_2y_4 - 3x_2x_4^2y_1y_2^2+$$

$$3x_2y_1y_2^2y_4^2 + 2x_4y_1y_2^3y_4) - b^r_{1,0,3,0,2,0,0,0,0,0}(2x_1x_2^3x_3y_3 + 3x_1x_2^2x_3^2y_2-$$

$$3x_1x_2^2y_2y_3^2 - 6x_1x_2x_3y_2^2y_3 - x_1x_3^2y_2^3 + x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2-$$

$$6x_2^2x_3y_1y_2y_3 - 3x_2x_3^2y_1y_2^2 + 3x_2y_1y_2^2y_3^2 + 2x_3y_1y_2^3y_3) + b^r_{1,1,-1,0,-2,0,0,0,0,0}(x_1^2+$$

$$y_1^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3)+$$

$$b^r_{1,1,-1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2+$$

$$2x_4y_1y_2y_4) - b^r_{1,1,-1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1-$$

$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,1,0,0,-1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3-$$

$$x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,1,0,0,-1,0,1,0,1,0}(x_1^2+$$

$$y_1^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5+$$

$$x_5y_1y_3y_4) - b^r_{1,1,0,0,0,1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5+$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,1,1,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1y_2+$$

$$x_2y_1) - b^r_{1,1,1,0,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) - b^r_{1,1,1,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2+$$

$$y_3^2)(x_1y_2 + x_2y_1) - b^r_{1,1,1,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1y_2 + x_2y_1) - b^r_{1,2,1,0,0,0,0,0,0,0}(x_1^2+$$

$$y_1^2)^2(x_1y_2 + x_2y_1) + b^r_{2,0,-1,0,-1,0,-1,0,-1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 + x_1^2x_2x_4x_5y_3-$$

$$x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 - x_1^2x_5y_2y_3y_4-$$

$$2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5+$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - b^r_{2,0,-1,0,-1,0,1,0,1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4-$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5-$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5-$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5+$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - b^r_{2,0,-1,0,1,0,-1,0,1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4+$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5-$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4+$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5+$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5-$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + 2b^r_{2,0,-2,0,-2,0,0,0,0,0}(x_1x_2x_3 - x_1y_2y_3 + x_2y_1y_3+$$

$$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 - x_2x_3y_1 + y_1y_2y_3) + 2b^r_{2,0,-2,0,0,0,-2,0,0,0}(x_1x_2x_4 - x_1y_2y_4 + x_2y_1y_4+$$

$$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 - x_2x_4y_1 + y_1y_2y_4) - 2b^r_{2,0,-2,0,0,0,0,0,2,0}(x_1x_2x_5 + x_1y_2y_5 - x_2y_1y_5+$$

$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 + x_2x_5y_1 + y_1y_2y_5) + 2b^r_{2,0,0,0,-2,0,0,0,-2,0}(x_1x_3x_5 - x_1y_3y_5 + x_3y_1y_5+$$

$$x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 - x_3x_5y_1 + y_1y_3y_5) - 2b^r_{2,0,0,0,-2,0,2,0,0,0}(x_1x_3x_4 + x_1y_3y_4 - x_3y_1y_4+$$

$$x_4y_1y_3)(x_1x_3y_4 - x_1x_4y_3 + x_3x_4y_1 + y_1y_3y_4) + 2b^r_{2,0,0,0,0,0,-2,0,-2,0}(x_1x_4x_5 - x_1y_4y_5 + x_4y_1y_5+$$

$$x_5y_1y_4)(x_1x_4y_5 + x_1x_5y_4 - x_4x_5y_1 + y_1y_4y_5) - 2b^r_{2,0,0,0,0,0,0,0,0,2}x_1y_1(x_5^2 + y_5^2)^2-$$

$$2b^r_{2,0,0,0,0,0,0,0,1,0,1}x_1y_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) - 2b^r_{2,0,0,0,0,0,0,0,2,0,0}x_1y_1(x_4^2 + y_4^2)^2-$$

$$2b^r_{2,0,0,0,0,0,2,0,2,0}(x_1x_4x_5 - x_1y_4y_5 - x_4y_1y_5 - x_5y_1y_4)(x_1x_4y_5 + x_1x_5y_4 + x_4x_5y_1 - y_1y_4y_5) -$$

$$2b^r_{2,0,0,0,0,1,0,0,0,1}x_1y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2b^r_{2,0,0,0,0,1,0,1,0,0}x_1y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) -$$

$$2b^r_{2,0,0,0,0,2,0,0,0,0}x_1y_1(x_3^2 + y_3^2)^2 + 2b^r_{2,0,0,0,2,0,-2,0,0,0}(x_1x_3x_4 + x_1y_3y_4 + x_3y_1y_4 -$$

$$x_4y_1y_3)(x_1x_3y_4 - x_1x_4y_3 - x_3x_4y_1 - y_1y_3y_4) - 2b^r_{2,0,0,0,2,0,0,0,2,0}(x_1x_3x_5 - x_1y_3y_5 - x_3y_1y_5 -$$

$$x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 + x_3x_5y_1 - y_1y_3y_5) - 2b^r_{2,0,0,1,0,0,0,0,0,1}x_1y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) -$$

$$2b^r_{2,0,0,1,0,0,0,1,0,0}x_1y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) - 2b^r_{2,0,0,1,0,1,0,0,0,0}x_1y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) -$$

$$2b^r_{2,0,0,2,0,0,0,0,0,0}x_1y_1(x_2^2 + y_2^2)^2 + b^r_{2,0,1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b^r_{2,0,1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - b^r_{2,0,1,0,1,0,1,0,1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + 2b^r_{2,0,2,0,0,0,0,0,-2,0}(x_1x_2x_5 + x_1y_2y_5 + x_2y_1y_5 -$$

$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 - x_2x_5y_1 - y_1y_2y_5) - 2b^r_{2,0,2,0,0,0,2,0,0,0}(x_1x_2x_4 - x_1y_2y_4 - x_2y_1y_4 -$$

$$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 + x_2x_4y_1 - y_1y_2y_4) - 2b^r_{2,0,2,0,2,0,0,0,0,0}(x_1x_2x_3 - x_1y_2y_3 - x_2y_1y_3 -$$

$$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 + x_2x_3y_1 - y_1y_2y_3) - 2b^r_{2,1,0,0,0,0,0,0,0,1}x_1y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) -$$

$$2b^r_{2,1,0,0,0,0,0,1,0,0}x_1y_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) - 2b^r_{2,1,0,0,0,1,0,0,0,0}x_1y_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) -$$

$$2b^r_{2,1,0,1,0,0,0,0,0,0}x_1y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) - 2b^r_{2,2,0,0,0,0,0,0,0,0}x_1y_1(x_1^2 + y_1^2)^2 +$$

$$b^r_{3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + b^r_{3,0,-1,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + b^r_{3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3y_2 -$$

$$3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + b^r_{3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3y_2 - 3x_1^2x_2y_1 - 3x_1y_1^2y_2 +$$

$$x_2y_1^3) + b^r_{3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4y_5 - x_1^3x_3x_5y_4 + x_1^3x_4x_5y_3 + x_1^3y_3y_4y_5 -$$

$$3x_1^2x_3x_4x_5y_1 - 3x_1^2x_3y_1y_4y_5 + 3x_1^2x_4y_1y_3y_5 - 3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 +$$

$$3x_1x_3x_5y_1^2y_4 - 3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 + x_3x_4x_5y_1^3 + x_3y_1^3y_4y_5 -$$

$$x_4y_1^3y_3y_5 + x_5y_1^3y_3y_4) + b^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 - x_1^3x_4x_5y_3 +$$

$$x_1^3y_3y_4y_5 - 3x_1^2x_3x_4x_5y_1 + 3x_1^2x_3y_1y_4y_5 - 3x_1^2x_4y_1y_3y_5 - 3x_1^2x_5y_1y_3y_4 -$$

$$3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 + 3x_1x_4x_5y_1^2y_3 - 3x_1y_1^2y_3y_4y_5 + x_3x_4x_5y_1^3 -$$

$$x_3y_1^3y_4y_5 + x_4y_1^3y_3y_5 + x_5y_1^3y_3y_4) - b^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4y_5 + x_1^3x_3x_5y_4 +$$

$$x_1^3x_4x_5y_3 - x_1^3y_3y_4y_5 + 3x_1^2x_3x_4x_5y_1 - 3x_1^2x_3y_1y_4y_5 - 3x_1^2x_4y_1y_3y_5 -$$

$$3x_1^2x_5y_1y_3y_4 - 3x_1x_3x_4y_1^2y_5 - 3x_1x_3x_5y_1^2y_4 - 3x_1x_4x_5y_1^2y_3 + 3x_1y_1^2y_3y_4y_5 -$$

$$x_3x_4x_5y_1^3 + x_3y_1^3y_4y_5 + x_4y_1^3y_3y_5 + x_5y_1^3y_3y_4) + b^r_{3,0,1,0,0,0,0,0,-2,0}(2x_1^3x_2x_5y_5 -$$

$$x_1^3x_5^2y_2 + x_1^3y_2y_5^2 - 3x_1^2x_2x_5^2y_1 + 3x_1^2x_2y_1y_5^2 - 6x_1^2x_5y_1y_2y_5 -$$

$$6x_1x_2x_5y_1^2y_5 + 3x_1x_5^2y_1^2y_2 - 3x_1y_1^2y_2y_5^2 + x_2x_5^2y_1^3 - x_2y_1^3y_5^2 + 2x_5y_1^3y_2y_5) -$$

$$b^r_{3,0,1,0,0,0,2,0,0,0}(2x_1^3x_2x_4y_4 + x_1^3x_4^2y_2 - x_1^3y_2y_4^2 + 3x_1^2x_2x_4^2y_1 - 3x_1^2x_2y_1y_4^2 -$$
$$6x_1^2x_4y_1y_2y_4 - 6x_1x_2x_4y_1^2y_4 - 3x_1x_4^2y_1^2y_2 + 3x_1y_1^2y_2y_4^2 - x_2x_4^2y_1^3 +$$
$$x_2y_1^3y_4^2 + 2x_4y_1^3y_2y_4) - b^r_{3,0,1,0,2,0,0,0,0,0}(2x_1^3x_2x_3y_3 + x_1^3x_3^2y_2 - x_1^3y_2y_3^2 +$$
$$3x_1^2x_2x_3^2y_1 - 3x_1^2x_2y_1y_3^2 - 6x_1^2x_3y_1y_2y_3 - 6x_1x_2x_3y_1^2y_3 - 3x_1x_3^2y_1^2y_2 +$$
$$3x_1y_1^2y_2y_3^2 - x_2x_3^2y_1^3 + x_2y_1^3y_3^2 + 2x_3y_1^3y_2y_3) + b^r_{3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3y_2 -$$
$$3x_1^2x_2y_1 - 3x_1y_1^2y_2 + x_2y_1^3) + 2b^r_{4,0,-2,0,0,0,0,0,0,0}(x_1^2x_2 + 2x_1y_1y_2 - x_2y_1^2)(x_1^2y_2 -$$
$$2x_1x_2y_1 - y_1^2y_2) + 2b^r_{4,0,0,0,0,0,0,0,0,-2,0}(x_1^2x_5 + 2x_1y_1y_5 - x_5y_1^2)(x_1^2y_5 - 2x_1x_5y_1 - y_1^2y_5) -$$
$$2b^r_{4,0,0,0,0,0,2,0,0,0}(x_1^2x_4 - 2x_1y_1y_4 - x_4y_1^2)(x_1^2y_4 + 2x_1x_4y_1 - y_1^2y_4) - 2b^r_{4,0,0,0,2,0,0,0,0,0}(x_1^2x_3 -$$
$$2x_1y_1y_3 - x_3y_1^2)(x_1^2y_3 + 2x_1x_3y_1 - y_1^2y_3)$$

$$H^{(6)}_{YX} = b^r_{-1,0,-1,0,-2,0,-2,0,0,0}(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 - 2x_1x_2x_4y_3^2y_4 +$$
$$x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 + x_1y_2y_3^2y_4^2 +$$
$$x_2x_3^2x_4^2y_1 - x_2x_3^2y_1y_4^2 - 4x_2x_3x_4y_1y_3y_4 - x_2x_4^2y_1y_3^2 + x_2y_1y_3^2y_4^2 -$$
$$2x_3^2x_4y_1y_2y_4 - 2x_3x_4^2y_1y_2y_3 + 2x_3y_1y_2y_3y_4^2 + 2x_4y_1y_2y_3^2y_4) -$$
$$b^r_{-1,0,-1,0,-2,0,0,0,2,0}(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 + 2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 -$$
$$x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5 + x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2 -$$
$$x_2x_3^2x_5^2y_1 + x_2x_3^2y_1y_5^2 - 4x_2x_3x_5y_1y_3y_5 + x_2x_5^2y_1y_3^2 - x_2y_1y_3^2y_5^2 -$$
$$2x_3^2x_5y_1y_2y_5 + 2x_3x_5^2y_1y_2y_3 - 2x_3y_1y_2y_3y_5^2 + 2x_5y_1y_2y_3^2y_5) +$$
$$b^r_{-1,0,-1,0,-4,0,0,0,0,0}(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 + x_1x_3^4y_2 - 6x_1x_3^2y_2y_3^2 + x_1y_2y_3^4 +$$
$$x_2x_3^4y_1 - 6x_2x_3^2y_1y_3^2 + x_2y_1y_3^4 - 4x_3^3y_1y_2y_3 + 4x_3y_1y_2y_3^3) -$$
$$b^r_{-1,0,-1,0,0,0,-2,0,2,0}(2x_1x_2x_4^2x_5y_5 - 2x_1x_2x_4x_5^2y_4 + 2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 -$$
$$x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 - 4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 - x_1y_2y_4^2y_5^2 -$$
$$x_2x_4^2x_5^2y_1 + x_2x_4^2y_1y_5^2 - 4x_2x_4x_5y_1y_4y_5 + x_2x_5^2y_1y_4^2 - x_2y_1y_4^2y_5^2 -$$
$$2x_4^2x_5y_1y_2y_5 + 2x_4x_5^2y_1y_2y_4 - 2x_4y_1y_2y_4y_5^2 + 2x_5y_1y_2y_4^2y_5) +$$
$$b^r_{-1,0,-1,0,0,0,-4,0,0,0}(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 + x_1x_4^4y_2 - 6x_1x_4^2y_2y_4^2 + x_1y_2y_4^4 +$$
$$x_2x_4^4y_1 - 6x_2x_4^2y_1y_4^2 + x_2y_1y_4^4 - 4x_4^3y_1y_2y_4 + 4x_4y_1y_2y_4^3) + b^r_{-1,0,-1,0,0,0,0,0,-2,1}(x_5^2 +$$
$$y_5^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 - 2x_5y_1y_2y_5) -$$
$$b^r_{-1,0,-1,0,0,0,0,0,4,0}(4x_1x_2x_5^3y_5 - 4x_1x_2x_5y_5^3 - x_1x_5^4y_2 + 6x_1x_5^2y_2y_5^2 - x_1y_2y_5^4 -$$
$$x_2x_5^4y_1 + 6x_2x_5^2y_1y_5^2 - x_2y_1y_5^4 - 4x_5^3y_1y_2y_5 + 4x_5y_1y_2y_5^3) + b^r_{-1,0,-1,0,0,0,0,1,-2,0}(x_4^2 +$$
$$y_4^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 - x_2y_1y_5^2 - 2x_5y_1y_2y_5) -$$
$$b^r_{-1,0,-1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 -$$
$$2x_4y_1y_2y_4) - b^r_{-1,0,-1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 - x_2x_4^2y_1 +$$
$$x_2y_1y_4^2 - 2x_4y_1y_2y_4) + b^r_{-1,0,-1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 +$$
$$x_2x_5^2y_1 - x_2y_1y_5^2 - 2x_5y_1y_2y_5) - b^r_{-1,0,-1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 +$$
$$x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) - b^r_{-1,0,-1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3 -$$
$$x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) - b^r_{-1,0,-1,0,2,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) -$$
$$b^r_{-1,0,-1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 -$$
$$2x_3y_1y_2y_3) + b^r_{-1,0,-1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 + x_2x_5^2y_1 -$$
$$x_2y_1y_5^2 - 2x_5y_1y_2y_5) - b^r_{-1,0,-1,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 -$$
$$x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) - b^r_{-1,0,-1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 +$$
$$x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b^r_{-1,0,-2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 -$$

$$x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 -$$

$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 -$$

$$x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 -$$

$$2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 -$$

$$x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b^r_{-1,0,-2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5 +$$

$$x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 +$$

$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 -$$

$$x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 -$$

$$2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 + 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 +$$

$$x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) - b^r_{-1,0,-2,0,1,0,1,0,1,0}(x_1x_2^2x_3x_4y_5 +$$

$$x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 +$$

$$2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 +$$

$$x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 -$$

$$2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 -$$

$$x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 - x_5y_1y_2^2y_3y_4) + b^r_{-1,0,-3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(3x_1x_2^2y_2 -$$

$$x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) + b^r_{-1,0,-3,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 -$$

$$3x_2y_1y_2^2) + b^r_{-1,0,-3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) +$$

$$b^r_{-1,0,-3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) - b^r_{-1,0,0,0,-1,0,-1,0,1,1}(x_5^2 +$$

$$y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 +$$

$$x_5y_1y_3y_4) - b^r_{-1,0,0,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 -$$

$$x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{-1,0,0,0,-1,0,-3,0,-1,0}(x_1x_3x_4^3y_5 +$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 + x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 +$$

$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) +$$

$$b^r_{-1,0,0,0,-1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 -$$

$$3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 +$$

$$3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 -$$

$$3x_5y_1y_3y_4y_5^2) - b^r_{-1,0,0,0,-1,0,1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 -$$

$$3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 -$$

$$x_3x_4x_5^3y_1 + 3x_3x_4x_5y_1y_5^2 + 3x_3x_5^2y_1y_4y_5 - x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 +$$

$$x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) + b^r_{-1,0,0,0,-1,0,3,0,-1,0}(x_1x_3x_4^3y_5 -$$

$$3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 -$$

$$3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 + x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 - 3x_3x_4x_5y_1y_4^2 -$$

$$x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 + 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) -$$

$$b^r_{-1,0,0,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 -$$

$$x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{-1,0,0,0,-3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 +$$

$$3x_1x_3^2x_4x_5y_3 - 3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 +$$

$$x_1y_3^3y_4y_5 + x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 - 3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 -$$

$$3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 + x_5y_1y_3^3y_4) - b^r_{-1,0,0,0,-3,0,1,0,1,0}(x_1x_3^3x_4y_5 +$$

$$x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 - 3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 +$$

$$x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 + x_3^3y_1y_4y_5 - 3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 +$$

$$3x_3x_4x_5y_1y_3^2 - 3x_3y_1y_3^2y_4y_5 + x_4y_1y_3^3y_5 + x_5y_1y_3^3y_4) +$$

$$b^r_{-1,0,0,0,1,0,-1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 + x_1x_3x_5^3y_4 - 3x_1x_3x_5y_4y_5^2 - x_1x_4x_5^3y_3 +$$
$$3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 + x_3x_4x_5^3y_1 - 3x_3x_4x_5y_1y_5^2 -$$
$$3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 + 3x_4x_5^2y_1y_3y_5 - x_4y_1y_3y_5^3 + x_5^3y_1y_3y_4 -$$
$$3x_5y_1y_3y_4y_5^2) - b^r_{-1,0,0,0,1,0,-1,0,3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 +$$
$$3x_1x_3x_5y_4y_5^2 + x_1x_4x_5^3y_3 - 3x_1x_4x_5y_3y_5^2 + 3x_1x_5^2y_3y_4y_5 - x_1y_3y_4y_5^3 -$$
$$x_3x_4x_5^3y_1 + 3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 + 3x_4x_5^2y_1y_3y_5 -$$
$$x_4y_1y_3y_5^3 - x_5^3y_1y_3y_4 + 3x_5y_1y_3y_4y_5^2) - b^r_{-1,0,0,0,1,0,-3,0,1,0}(x_1x_3x_4^3y_5 - 3x_1x_3x_4^2x_5y_4 -$$
$$3x_1x_3x_4y_4^2y_5 + x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 + 3x_1x_4^2y_3y_4y_5 - 3x_1x_4x_5y_3y_4^2 -$$
$$x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 - 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 + x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 -$$
$$3x_4^2x_5y_1y_3y_4 - 3x_4y_1y_3y_4^2y_5 + x_5y_1y_3y_4^3) + b^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 -$$
$$x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) +$$
$$b^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 +$$
$$x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) - b^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 -$$
$$3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 + x_1x_4^3x_5y_3 - 3x_1x_4^2y_3y_4y_5 - 3x_1x_4x_5y_3y_4^2 +$$
$$x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5 + 3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 + x_4^3y_1y_3y_5 +$$
$$3x_4^2x_5y_1y_3y_4 - 3x_4y_1y_3y_4^2y_5 - x_5y_1y_3y_4^3) + b^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 -$$
$$x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) +$$
$$b^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 - 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5 -$$
$$3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 + x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 + x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5 +$$
$$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 - 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5 -$$
$$x_5y_1y_3^3y_4) - b^r_{-1,0,0,0,3,0,1,0,1,0}(x_1x_3^3x_4y_5 + x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3 - 3x_1x_3^2y_3y_4y_5 -$$
$$3x_1x_3x_4y_3^2y_5 - 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 + x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 + x_3^3y_1y_4y_5 +$$
$$3x_3^2x_4y_1y_3y_5 + 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 - 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5 -$$
$$x_5y_1y_3^3y_4) - b^r_{-1,0,0,1,-1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 -$$
$$x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{-1,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4y_5 -$$
$$x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) +$$
$$b^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2 +$$
$$2x_3y_1y_2y_3) + b^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 -$$
$$x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 +$$
$$x_2x_3^2y_1 - x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 +$$
$$x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{-1,0,1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(2x_1x_2x_4y_4 -$$
$$x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 + 2x_4y_1y_2y_4) + b^r_{-1,0,1,0,0,0,0,0,-4,0}(4x_1x_2x_5^3y_5 -$$
$$4x_1x_2x_5y_5^3 - x_1x_5^4y_2 + 6x_1x_5^2y_2y_5^2 - x_1y_2y_5^4 + x_2x_5^4y_1 - 6x_2x_5^2y_1y_5^2 +$$
$$x_2y_1y_5^4 + 4x_5^3y_1y_2y_5 - 4x_5y_1y_2y_5^3) - b^r_{-1,0,1,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 -$$
$$x_1y_2y_5^2 - x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) - b^r_{-1,0,1,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(2x_1x_2x_5y_5 +$$
$$x_1x_5^2y_2 - x_1y_2y_5^2 - x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{-1,0,1,0,0,0,2,0,-2,0}(2x_1x_2x_4^2x_5y_5 -$$
$$2x_1x_2x_4x_5^2y_4 + 2x_1x_2x_4y_4y_5^2 - 2x_1x_2x_5y_4^2y_5 - x_1x_4^2x_5^2y_2 + x_1x_4^2y_2y_5^2 -$$
$$4x_1x_4x_5y_2y_4y_5 + x_1x_5^2y_2y_4^2 - x_1y_2y_4^2y_5^2 + x_2x_4^2x_5^2y_1 - x_2x_4^2y_1y_5^2 +$$
$$4x_2x_4x_5y_1y_4y_5 - x_2x_5^2y_1y_4^2 + x_2y_1y_4^2y_5^2 + 2x_4^2x_5y_1y_2y_5 - 2x_4x_5^2y_1y_2y_4 +$$
$$2x_4y_1y_2y_4y_5^2 - 2x_5y_1y_2y_4^2y_5) - b^r_{-1,0,1,0,0,0,4,0,0,0}(4x_1x_2x_4^3y_4 - 4x_1x_2x_4y_4^3 + x_1x_4^4y_2 -$$
$$6x_1x_4^2y_2y_4^2 + x_1y_2y_4^4 - x_2x_4^4y_1 + 6x_2x_4^2y_1y_4^2 - x_2y_1y_4^4 + 4x_4^3y_1y_2y_4 -$$
$$4x_4y_1y_2y_4^3) + b^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 -$$

$$x_2y_1y_4^2 + 2x_4y_1y_2y_4) - b_{-1,0,1,0,0,1,0,0,2,0}^r(x_3^2 + y_3^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 -$$

$$x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{-1,0,1,0,2,0,0,0,-2,0}^r(2x_1x_2x_3^2x_5y_5 - 2x_1x_2x_3x_5^2y_3 +$$

$$2x_1x_2x_3y_3y_5^2 - 2x_1x_2x_5y_3^2y_5 - x_1x_3^2x_5^2y_2 + x_1x_3^2y_2y_5^2 - 4x_1x_3x_5y_2y_3y_5 +$$

$$x_1x_5^2y_2y_3^2 - x_1y_2y_3^2y_5^2 + x_2x_3^2x_5^2y_1 - x_2x_3^2y_1y_5^2 + 4x_2x_3x_5y_1y_3y_5 -$$

$$x_2x_5^2y_1y_3^2 + x_2y_1y_3^2y_5^2 + 2x_3^2x_5y_1y_2y_5 - 2x_3x_5^2y_1y_2y_3 + 2x_3y_1y_2y_3y_5^2 -$$

$$2x_5y_1y_2y_3^2y_5) - b_{-1,0,1,0,2,0,2,0,0,0}^r(2x_1x_2x_3^2x_4y_4 + 2x_1x_2x_3x_4^2y_3 - 2x_1x_2x_3y_3y_4^2 -$$

$$2x_1x_2x_4y_3^2y_4 + x_1x_3^2x_4^2y_2 - x_1x_3^2y_2y_4^2 - 4x_1x_3x_4y_2y_3y_4 - x_1x_4^2y_2y_3^2 +$$

$$x_1y_2y_3^2y_4^2 - x_2x_3^2x_4^2y_1 + x_2x_3^2y_1y_4^2 + 4x_2x_3x_4y_1y_3y_4 + x_2x_4^2y_1y_3^2 -$$

$$x_2y_1y_3^2y_4^2 + 2x_3^2x_4y_1y_2y_4 + 2x_3x_4^2y_1y_2y_3 - 2x_3y_1y_2y_3y_4^2 - 2x_4y_1y_2y_3^2y_4) -$$

$$b_{-1,0,1,0,4,0,0,0,0,0}^r(4x_1x_2x_3^3y_3 - 4x_1x_2x_3y_3^3 + x_1x_3^4y_2 - 6x_1x_3^2y_2y_3^2 + x_1y_2y_3^4 -$$

$$x_2x_3^4y_1 + 6x_2x_3^2y_1y_3^2 - x_2y_1y_3^4 + 4x_3^3y_1y_2y_3 - 4x_3y_1y_2y_3^3) + b_{-1,0,1,1,-2,0,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 + x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2 + 2x_3y_1y_2y_3) +$$

$$b_{-1,0,1,1,0,0,-2,0,0,0}^r(x_2^2 + y_2^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 +$$

$$2x_4y_1y_2y_4) - b_{-1,0,1,1,0,0,0,0,2,0}^r(x_2^2 + y_2^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 - x_2x_5^2y_1 +$$

$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b_{-1,0,2,0,-1,0,-1,0,-1,0}^r(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 -$$

$$x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 -$$

$$x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1 -$$

$$x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 +$$

$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 +$$

$$x_5y_1y_2^2y_3y_4) - b_{-1,0,2,0,-1,0,1,0,1,0}^r(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3 +$$

$$x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 -$$

$$x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 +$$

$$x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 + 2x_2x_3x_5y_1y_2y_4 -$$

$$2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5 +$$

$$x_5y_1y_2^2y_3y_4) - b_{-1,0,2,0,1,0,-1,0,1,0}^r(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 + x_1x_2^2x_4x_5y_3 +$$

$$x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4 -$$

$$x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1 -$$

$$x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4 +$$

$$2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5 +$$

$$x_5y_1y_2^2y_3y_4) - b_{-1,0,3,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(3x_1x_2^2y_2 - x_1y_2^3 - x_2^3y_1 + 3x_2y_1y_2^2) -$$

$$b_{-1,0,3,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(3x_1x_2^2y_2 - x_1y_2^3 - x_2^3y_1 + 3x_2y_1y_2^2) - b_{-1,0,3,0,0,1,0,0,0,0}^r(x_3^2 +$$

$$y_3^2)(3x_1x_2^2y_2 - x_1y_2^3 - x_2^3y_1 + 3x_2y_1y_2^2) - b_{-1,0,3,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(3x_1x_2^2y_2 -$$

$$x_1y_2^3 - x_2^3y_1 + 3x_2y_1y_2^2) + b_{-1,1,-1,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 +$$

$$x_2x_5^2y_1 - x_2y_1y_5^2 - 2x_5y_1y_2y_5) - b_{-1,1,-1,0,0,0,0,2,0,0}^r(x_1^2 + y_1^2)(2x_1x_2x_4y_4 - x_1x_4^2y_2 +$$

$$x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 - 2x_4y_1y_2y_4) - b_{-1,1,-1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_2x_3y_3 -$$

$$x_1x_3^2y_2 + x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 - 2x_3y_1y_2y_3) + b_{-1,1,-3,0,0,0,0,0,0,0}^r(x_1^2 +$$

$$y_1^2)(3x_1x_2^2y_2 - x_1y_2^3 + x_2^3y_1 - 3x_2y_1y_2^2) - b_{-1,1,0,0,0,-1,0,-1,0,1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4y_5 -$$

$$x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 - x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) +$$

$$b_{-1,1,0,0,0,1,0,1,0,-1,0}^r(x_1^2 + y_1^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 - x_1x_4x_5y_3 - x_1y_3y_4y_5 + x_3x_4x_5y_1 +$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 - x_5y_1y_3y_4) + b_{-1,1,1,0,-2,0,0,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_2x_3y_3 - x_1x_3^2y_2 +$$

$$x_1y_2y_3^2 + x_2x_3^2y_1 - x_2y_1y_3^2 + 2x_3y_1y_2y_3) + b_{-1,1,1,0,0,0,-2,0,0,0}^r(x_1^2 + y_1^2)(2x_1x_2x_4y_4 -$$

$$x_1x_4^2y_2 + x_1y_2y_4^2 + x_2x_4^2y_1 - x_2y_1y_4^2 + 2x_4y_1y_2y_4) - b_{-1,1,1,0,0,0,0,0,2,0}^r(x_1^2 +$$

$$y_1^2)(2x_1x_2x_5y_5 + x_1x_5^2y_2 - x_1y_2y_5^2 - x_2x_5^2y_1 + x_2y_1y_5^2 + 2x_5y_1y_2y_5) -$$

$$b_{-1,1,3,0,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(3x_1x_2^2y_2 - x_1y_2^3 - x_2^3y_1 + 3x_2y_1y_2^2) +$$

$$b_{-2,0,-1,0,-1,0,1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 + x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 +$$

$$x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 + x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 +$$

$$2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 - 2x_1x_3x_4y_1y_2y_5 +$$

$$2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 + x_2x_3x_5y_1^2y_4 -$$

$$x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 + x_4y_1^2y_2y_3y_5 -$$

$$x_5y_1^2y_2y_3y_4) + b_{-2,0,-1,0,1,0,-1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 - x_1^2x_2x_4x_5y_3 +$$

$$x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 + x_1^2x_5y_2y_3y_4 +$$

$$2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) - b_{-2,0,-1,0,1,0,1,0,1,0}^r(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 +$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 +$$

$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 -$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 - x_5y_1^2y_2y_3y_4) + 2b_{-2,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) +$$

$$2b_{-2,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) + 2b_{-2,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2 -$$

$$y_1y_2)(x_1y_2 + x_2y_1) + 2b_{-2,0,-2,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_2 - y_1y_2)(x_1y_2 + x_2y_1) +$$

$$2b_{-2,0,0,0,-2,0,-2,0,0,0}^r(x_1x_3x_4 - x_1y_3y_4 - x_3y_1y_4 - x_4y_1y_3)(x_1x_3y_4 + x_1x_4y_3 + x_3x_4y_1 - y_1y_3y_4) -$$

$$2b_{-2,0,0,0,-2,0,0,0,2,0}^r(x_1x_3x_5 + x_1y_3y_5 + x_3y_1y_5 - x_5y_1y_3)(x_1x_3y_5 - x_1x_5y_3 - x_3x_5y_1 - y_1y_3y_5) +$$

$$2b_{-2,0,0,0,-4,0,0,0,0,0}^r(x_1x_3^2 - x_1y_3^2 - 2x_3y_1y_3)(2x_1x_3y_3 + x_3^2y_1 - y_1y_3^2) -$$

$$2b_{-2,0,0,0,0,0,-2,0,2,0}^r(x_1x_4x_5 + x_1y_4y_5 + x_4y_1y_5 - x_5y_1y_4)(x_1x_4y_5 - x_1x_5y_4 - x_4x_5y_1 - y_1y_4y_5) +$$

$$2b_{-2,0,0,0,0,0,-4,0,0,0}^r(x_1x_4^2 - x_1y_4^2 - 2x_4y_1y_4)(2x_1x_4y_4 + x_4^2y_1 - y_1y_4^2) + 2b_{-2,0,0,0,0,0,0,0,-2,1}^r(x_5^2 +$$

$$y_5^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b_{-2,0,0,0,0,0,0,0,0,4,0}^r(x_1x_5^2 - x_1y_5^2 + 2x_5y_1y_5)(2x_1x_5y_5 - x_5^2y_1 +$$

$$y_1y_5^2) + 2b_{-2,0,0,0,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b_{-2,0,0,0,0,0,0,2,0,0,1}^r(x_5^2 +$$

$$y_5^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) - 2b_{-2,0,0,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) +$$

$$2b_{-2,0,0,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) - 2b_{-2,0,0,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_1x_4 +$$

$$y_1y_4)(x_1y_4 - x_4y_1) - 2b_{-2,0,0,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1) -$$

$$2b_{-2,0,0,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_3 + y_1y_3)(x_1y_3 - x_3y_1) - 2b_{-2,0,0,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_3 +$$

$$y_1y_3)(x_1y_3 - x_3y_1) + 2b_{-2,0,0,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_1x_5 - y_1y_5)(x_1y_5 + x_5y_1) -$$

$$2b_{-2,0,0,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_1x_4 + y_1y_4)(x_1y_4 - x_4y_1) - 2b_{-2,0,0,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_3 +$$

$$y_1y_3)(x_1y_3 - x_3y_1) - b_{-2,0,1,0,-1,0,-1,0,1,0}^r(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 - x_1^2x_2x_4x_5y_3 -$$

$$x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 - x_1^2x_5y_2y_3y_4 -$$

$$2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 +$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 -$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b_{-2,0,1,0,1,0,1,0,-1,0}^r(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 -$$

$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 +$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 +$$

$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$

$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 +$$

$$x_4 y_1^2 y_2 y_3 y_5 - x_5 y_1^2 y_2 y_3 y_4) + 2b^r_{-2,0,2,0,-2,0,0,0,0,0}(x_1 x_2 x_3 + x_1 y_2 y_3 - x_2 y_1 y_3 +$$

$$x_3 y_1 y_2)(x_1 x_2 y_3 - x_1 x_3 y_2 + x_2 x_3 y_1 + y_1 y_2 y_3) + 2b^r_{-2,0,2,0,0,0,-2,0,0,0}(x_1 x_2 x_4 + x_1 y_2 y_4 - x_2 y_1 y_4 +$$

$$x_4 y_1 y_2)(x_1 x_2 y_4 - x_1 x_4 y_2 + x_2 x_4 y_1 + y_1 y_2 y_4) - 2b^r_{-2,0,2,0,0,0,0,0,2,0}(x_1 x_2 x_5 - x_1 y_2 y_5 + x_2 y_1 y_5 +$$

$$x_5 y_1 y_2)(x_1 x_2 y_5 + x_1 x_5 y_2 - x_2 x_5 y_1 + y_1 y_2 y_5) - 2b^r_{-2,0,4,0,0,0,0,0,0,0}(x_1 x_2^2 - x_1 y_2^2 +$$

$$2x_2 y_1 y_2)(2x_1 x_2 y_2 - x_2^2 y_1 + y_1 y_2^2) + 2b^r_{-2,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 - y_1 y_2)(x_1 y_2 + x_2 y_1) +$$

$$2b^r_{-2,1,0,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1 x_5 - y_1 y_5)(x_1 y_5 + x_5 y_1) - 2b^r_{-2,1,0,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1 x_4 +$$

$$y_1 y_4)(x_1 y_4 - x_4 y_1) - 2b^r_{-2,1,0,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_3 + y_1 y_3)(x_1 y_3 - x_3 y_1) +$$

$$b^r_{-3,0,-1,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3 y_2 + 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + b^r_{-3,0,-1,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1^3 y_2 + 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + b^r_{-3,0,-1,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1^3 y_2 +$$

$$3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + b^r_{-3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3 y_2 + 3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 -$$

$$x_2 y_1^3) + b^r_{-3,0,0,0,-1,0,1,0,-1,0}(x_1^3 x_3 x_4 y_5 - x_1^3 x_3 x_5 y_4 + x_1^3 x_4 x_5 y_3 + x_1^3 y_3 y_4 y_5 +$$

$$3x_1^2 x_3 x_4 x_5 y_1 + 3x_1^2 x_3 y_1 y_4 y_5 - 3x_1^2 x_4 y_1 y_3 y_5 + 3x_1^2 x_5 y_1 y_3 y_4 - 3x_1 x_3 x_4 y_1^2 y_5 +$$

$$3x_1 x_3 x_5 y_1^2 y_4 - 3x_1 x_4 x_5 y_1^2 y_3 - 3x_1 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^3 - x_3 y_1^3 y_4 y_5 +$$

$$x_4 y_1^3 y_3 y_5 - x_5 y_1^3 y_3 y_4) + b^r_{-3,0,0,0,1,0,-1,0,-1,0}(x_1^3 x_3 x_4 y_5 + x_1^3 x_3 x_5 y_4 - x_1^3 x_4 x_5 y_3 +$$

$$x_1^3 y_3 y_4 y_5 + 3x_1^2 x_3 x_4 x_5 y_1 - 3x_1^2 x_3 y_1 y_4 y_5 + 3x_1^2 x_4 y_1 y_3 y_5 + 3x_1^2 x_5 y_1 y_3 y_4 -$$

$$3x_1 x_3 x_4 y_1^2 y_5 - 3x_1 x_3 x_5 y_1^2 y_4 + 3x_1 x_4 x_5 y_1^2 y_3 - 3x_1 y_1^2 y_3 y_4 y_5 - x_3 x_4 x_5 y_1^3 +$$

$$x_3 y_1^3 y_4 y_5 - x_4 y_1^3 y_3 y_5 - x_5 y_1^3 y_3 y_4) - b^r_{-3,0,0,0,1,0,1,0,1,0}(x_1^3 x_3 x_4 y_5 + x_1^3 x_3 x_5 y_4 +$$

$$x_1^3 x_4 x_5 y_3 - x_1^3 y_3 y_4 y_5 - 3x_1^2 x_3 x_4 x_5 y_1 + 3x_1^2 x_3 y_1 y_4 y_5 + 3x_1^2 x_4 y_1 y_3 y_5 +$$

$$3x_1^2 x_5 y_1 y_3 y_4 - 3x_1 x_3 x_4 y_1^2 y_5 - 3x_1 x_3 x_5 y_1^2 y_4 - 3x_1 x_4 x_5 y_1^2 y_3 + 3x_1 y_1^2 y_3 y_4 y_5 +$$

$$x_3 x_4 x_5 y_1^3 - x_3 y_1^3 y_4 y_5 - x_4 y_1^3 y_3 y_5 - x_5 y_1^3 y_3 y_4) + b^r_{-3,0,1,0,0,0,0,0,-2,0}(2x_1^3 x_2 x_5 y_5 -$$

$$x_1^3 x_5^2 y_2 + x_1^3 y_2 y_5^2 + 3x_1^2 x_2 x_5^2 y_1 - 3x_1^2 x_2 y_1 y_5^2 + 6x_1^2 x_5 y_1 y_2 y_5 -$$

$$6x_1 x_2 x_5 y_1^2 y_5 + 3x_1 x_5^2 y_1^2 y_2 - 3x_1 y_1^2 y_2 y_5^2 - x_2 x_5^2 y_1^3 + x_2 y_1^3 y_5^2 - 2x_5 y_1^3 y_2 y_5) -$$

$$b^r_{-3,0,1,0,0,0,2,0,0,0}(2x_1^3 x_2 x_4 y_4 + x_1^3 x_4^2 y_2 - x_1^3 y_2 y_4^2 - 3x_1^2 x_2 x_4^2 y_1 + 3x_1^2 x_2 y_1 y_4^2 +$$

$$6x_1^2 x_4 y_1 y_2 y_4 - 6x_1 x_2 x_4 y_1^2 y_4 - 3x_1 x_4^2 y_1^2 y_2 + 3x_1 y_1^2 y_2 y_4^2 + x_2 x_4^2 y_1^3 -$$

$$x_2 y_1^3 y_4^2 - 2x_4 y_1^3 y_2 y_4) - b^r_{-3,0,1,0,2,0,0,0,0,0}(2x_1^3 x_2 x_3 y_3 + x_1^3 x_3^2 y_2 - x_1^3 y_2 y_3^2 -$$

$$3x_1^2 x_2 x_3^2 y_1 + 3x_1^2 x_2 y_1 y_3^2 + 6x_1^2 x_3 y_1 y_2 y_3 - 6x_1 x_2 x_3 y_1^2 y_3 - 3x_1 x_3^2 y_1^2 y_2 +$$

$$3x_1 y_1^2 y_2 y_3^2 + x_2 x_3^2 y_1^3 - x_2 y_1^3 y_3^2 - 2x_3 y_1^3 y_2 y_3) + b^r_{-3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3 y_2 +$$

$$3x_1^2 x_2 y_1 - 3x_1 y_1^2 y_2 - x_2 y_1^3) + 4b^r_{-4,0,0,0,0,0,0,0,0,0,1}x_1 y_1 (x_1 - y_1)(x_1 + y_1)(x_5^2 + y_5^2) +$$

$$4b^r_{-4,0,0,0,0,0,0,1,0,0}x_1 y_1 (x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2) + 4b^r_{-4,0,0,0,0,1,0,0,0,0}x_1 y_1 (x_1 - y_1)(x_1 + y_1)(x_3^2 +$$

$$y_3^2) + 4b^r_{-4,0,0,1,0,0,0,0,0,0}x_1 y_1 (x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2) + 4b^r_{-4,1,0,0,0,0,0,0,0,0}x_1 y_1 (x_1 - y_1)(x_1 +$$

$$y_1)(x_1^2 + y_1^2) - b^r_{-5,0,1,0,0,0,0,0,0,0}(x_1^5 y_2 - 5x_1^4 x_2 y_1 - 10x_1^3 y_1^2 y_2 + 10x_1^2 x_2 y_1^3 + 5x_1 y_1^4 y_2 -$$

$$x_2 y_1^5) - b^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2 x_3 x_4 y_5 - x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 -$$

$$x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) - b^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2 x_3 x_4 y_5 -$$

$$x_2 x_3 x_5 y_4 - x_2 x_4 x_5 y_3 - x_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2 - x_3 y_2 y_4 y_5 - x_4 y_2 y_3 y_5 + x_5 y_2 y_3 y_4) +$$

$$b^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2 x_3 x_4^3 y_5 + 3x_2 x_3 x_4^2 x_5 y_4 - 3x_2 x_3 x_4 y_4^2 y_5 - x_2 x_3 x_5 y_4^3 +$$

$$x_2 x_4^3 x_5 y_3 - 3x_2 x_4^2 y_3 y_4 y_5 - 3x_2 x_4 x_5 y_3 y_4^2 + x_2 y_3 y_4^3 y_5 + x_3 x_4^3 x_5 y_2 -$$

$$3x_3 x_4^2 y_2 y_4 y_5 - 3x_3 x_4 x_5 y_2 y_4^2 + x_3 y_2 y_4^3 y_5 - x_4^3 y_2 y_3 y_5 - 3x_4^2 x_5 y_2 y_3 y_4 +$$

$$3x_4 y_2 y_3 y_4^2 y_5 + x_5 y_2 y_3 y_4^3) + b^r_{0,0,-1,0,-1,0,1,0,-3,0}(3x_2 x_3 x_4 x_5^2 y_5 - x_2 x_3 x_4 y_5^3 -$$

$$x_2 x_3 x_5^3 y_4 + 3x_2 x_3 x_5 y_4 y_5^2 + x_2 x_4 x_5^3 y_3 - 3x_2 x_4 x_5 y_3 y_5^2 + 3x_2 x_5^2 y_3 y_4 y_5 -$$

$$x_2 y_3 y_4 y_5^3 + x_3 x_4 x_5^3 y_2 - 3x_3 x_4 x_5 y_2 y_5^2 + 3x_3 x_5^2 y_2 y_4 y_5 - x_3 y_2 y_4 y_5^3 -$$

$$3x_4 x_5^2 y_2 y_3 y_5 + x_4 y_2 y_3 y_5^3 + x_5^3 y_2 y_3 y_4 - 3x_5 y_2 y_3 y_4 y_5^2) -$$

$$b^r_{0,0,-1,0,-1,0,1,0,3,0}(3x_2 x_3 x_4 x_5^2 y_5 - x_2 x_3 x_4 y_5^3 + x_2 x_3 x_5^3 y_4 - 3x_2 x_3 x_5 y_4 y_5^2 - x_2 x_4 x_5^3 y_3 +$$

$$3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 + 3x_3x_4x_5y_2y_5^2 +$$

$$3x_3x_5^2y_2y_4y_5 - x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 - x_5^3y_2y_3y_4 +$$

$$3x_5y_2y_3y_4y_5^2) + b_{0,0,-1,0,-1,0,3,0,-1,0}^r(x_2x_3x_4^3y_5 - 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 +$$

$$x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 + x_3x_4^3x_5y_2 +$$

$$3x_3x_4^2y_2y_4y_5 - 3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 +$$

$$3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) - b_{0,0,-1,0,-1,1,-1,0,1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b_{0,0,-1,0,-3,0,-1,0,-1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 - 3x_2x_3^2y_3y_4y_5 -$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 + x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 -$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 - 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 +$$

$$x_5y_2y_3^3y_4) - b_{0,0,-1,0,-3,0,1,0,1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 -$$

$$3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 -$$

$$3x_3^2x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 - 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5 +$$

$$x_5y_2y_3^3y_4) + b_{0,0,-1,0,1,0,-1,0,-3,0}^r(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 -$$

$$3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 - x_2y_3y_4y_5^3 +$$

$$x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 + 3x_4x_5^2y_2y_3y_5 -$$

$$x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) - b_{0,0,-1,0,1,0,-1,0,3,0}^r(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 -$$

$$x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 + x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 + 3x_2x_5^2y_3y_4y_5 -$$

$$x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 + 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 +$$

$$3x_4x_5^2y_2y_3y_5 - x_4y_2y_3y_5^3 - x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) - b_{0,0,-1,0,1,0,-3,0,1,0}^r(x_2x_3x_4^3y_5 -$$

$$3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 -$$

$$3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 - 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 +$$

$$x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 - 3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) +$$

$$b_{0,0,-1,0,1,0,1,0,-1,1}^r(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 +$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + b_{0,0,-1,0,1,0,1,1,-1,0}^r(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 -$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) -$$

$$b_{0,0,-1,0,1,0,3,0,1,0}^r(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 - x_2x_3x_5y_4^3 + x_2x_4^3x_5y_3 -$$

$$3x_2x_4^2y_3y_4y_5 - 3x_2x_4x_5y_3y_4^2 + x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 + 3x_3x_4^2y_2y_4y_5 +$$

$$3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 + x_4^3y_2y_3y_5 + 3x_4^2x_5y_2y_3y_4 - 3x_4y_2y_3y_4^2y_5 -$$

$$x_5y_2y_3y_4^3) + b_{0,0,-1,0,1,1,1,0,-1,0}^r(x_3^2 + y_3^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 +$$

$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + b_{0,0,-1,0,3,0,-1,0,-1,0}^r(x_2x_3^3x_4y_5 + x_2x_3^3x_5y_4 -$$

$$3x_2x_3^2x_4x_5y_3 + 3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 -$$

$$x_2y_3^3y_4y_5 + x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 + 3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 -$$

$$3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 - x_5y_2y_3^3y_4) - b_{0,0,-1,0,3,0,1,0,1,0}^r(x_2x_3^3x_4y_5 +$$

$$x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 - 3x_2x_3^2y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 - 3x_2x_3x_5y_3^2y_4 -$$

$$x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 + x_3^3y_2y_4y_5 + 3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 +$$

$$3x_3x_4x_5y_2y_3^2 - 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 - x_5y_2y_3^3y_4) - b_{0,0,-1,1,-1,0,-1,0,1,0}^r(x_2^2 +$$

$$y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 +$$

$$x_5y_2y_3y_4) + b_{0,0,-1,1,1,0,1,0,-1,0}^r(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 +$$

$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + 2b_{0,0,-2,0,-2,0,-2,0,0,0}^r(x_2x_3x_4 - x_2y_3y_4 - x_3y_2y_4 -$$

$$x_4y_2y_3)(x_2x_3y_4 + x_2x_4y_3 + x_3x_4y_2 - y_2y_3y_4) - 2b_{0,0,-2,0,-2,0,0,0,2,0}^r(x_2x_3x_5 + x_2y_3y_5 + x_3y_2y_5 -$$

$$x_5y_2y_3)(x_2x_3y_5 - x_2x_5y_3 - x_3x_5y_2 - y_2y_3y_5) + 2b_{0,0,-2,0,-4,0,0,0,0,0}^r(x_2x_3^2 - x_2y_3^2 -$$

$$2x_3y_2y_3)(2x_2x_3y_3 + x_3^2y_2 - y_2y_3^2) - 2b_{0,0,-2,0,0,0,-2,0,2,0}^r(x_2x_4x_5 + x_2y_4y_5 + x_4y_2y_5 -$$

$$x_5y_2y_4)(x_2x_4y_5 - x_2x_5y_4 - x_4x_5y_2 - y_2y_4y_5) + 2b_{0,0,-2,0,0,0,-4,0,0,0}^r(x_2x_4^2 - x_2y_4^2 -$$

$$2x_4y_2y_4)(2x_2x_4y_4 + x_4^2y_2 - y_2y_4^2) + 2b_{0,0,-2,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) -$$

$$2b_{0,0,-2,0,0,0,0,0,4,0}^r(x_2x_5^2 - x_2y_5^2 + 2x_5y_2y_5)(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2) + 2b_{0,0,-2,0,0,0,0,1,-2,0}^r(x_4^2 +$$

$$y_4^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) -$$

$$2b_{0,0,-2,0,0,0,2,1,0,0}^r(x_4^2 + y_4^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) + 2b_{0,0,-2,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_2x_5 -$$

$$y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) -$$

$$2b_{0,0,-2,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) - 2b_{0,0,-2,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_2x_3 +$$

$$y_2y_3)(x_2y_3 - x_3y_2) - 2b_{0,0,-2,0,2,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) +$$

$$2b_{0,0,-2,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2) - 2b_{0,0,-2,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_2x_4 +$$

$$y_2y_4)(x_2y_4 - x_4y_2) - 2b_{0,0,-2,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_2x_3 + y_2y_3)(x_2y_3 - x_3y_2) +$$

$$b_{0,0,-3,0,-1,0,1,0,-1,0}^r(x_2^3x_3x_4y_5 - x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 +$$

$$3x_2^2x_3y_2y_4y_5 - 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 -$$

$$3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) +$$

$$b_{0,0,-3,0,1,0,-1,0,-1,0}^r(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 - x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 -$$

$$3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 +$$

$$3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) -$$

$$b_{0,0,-3,0,1,0,1,0,1,0}^r(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 - x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 +$$

$$3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 + 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 -$$

$$3x_2x_4x_5y_2^2y_3 + 3x_2y_2^2y_3y_4y_5 + x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 - x_5y_2^3y_3y_4) +$$

$$4b_{0,0,-4,0,0,0,0,0,0,1}^r x_2y_2(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) + 4b_{0,0,-4,0,0,0,0,1,0,0}^r x_2y_2(x_2 - y_2)(x_2 + y_2)(x_4^2 +$$

$$y_4^2) + 4b_{0,0,-4,0,0,1,0,0,0,0}^r x_2y_2(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2) + 4b_{0,0,-4,1,0,0,0,0,0,0}^r x_2y_2(x_2 - y_2)(x_2 +$$

$$y_2)(x_2^2 + y_2^2) + 2b_{0,0,0,0,-2,0,-2,0,-2,0}^r(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4)(x_3x_4y_5 + x_3x_5y_4 +$$

$$x_4x_5y_3 - y_3y_4y_5) + 2b_{0,0,0,0,-2,0,0,0,0,2}^r x_3y_3(x_5^2 + y_5^2)^2 + 2b_{0,0,0,0,-2,0,0,1,0,1}^r x_3y_3(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) + 2b_{0,0,0,0,-2,0,0,2,0,0}^r x_3y_3(x_4^2 + y_4^2)^2 - 2b_{0,0,0,0,-2,0,2,0,2,0}^r(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 +$$

$$x_5y_3y_4)(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5) + 2b_{0,0,0,0,-2,1,0,0,0,1}^r x_3y_3(x_3^2 + y_3^2)(x_5^2 + y_5^2) +$$

$$2b_{0,0,0,0,-2,1,0,1,0,0}^r x_3y_3(x_3^2 + y_3^2)(x_4^2 + y_4^2) + 2b_{0,0,0,0,-2,2,0,0,0,0}^r x_3y_3(x_3^2 + y_3^2)^2 +$$

$$2b_{0,0,0,0,-4,0,0,0,-2,0}^r(x_3^2x_5 - 2x_3y_3y_5 - x_5y_3^2)(x_3^2y_5 + 2x_3x_5y_3 - y_3^2y_5) -$$

$$2b_{0,0,0,0,-4,0,2,0,0,0}^r(x_3^2x_4 + 2x_3y_3y_4 - x_4y_3^2)(x_3^2y_4 - 2x_3x_4y_3 - y_3^2y_4) +$$

$$2b_{0,0,0,0,0,0,-2,0,0,2}^r x_4y_4(x_5^2 + y_5^2)^2 + 2b_{0,0,0,0,0,0,-2,1,0,1}^r x_4y_4(x_4^2 + y_4^2)(x_5^2 + y_5^2) +$$

$$2b_{0,0,0,0,0,0,-2,2,0,0}^r x_4y_4(x_4^2 + y_4^2)^2 + 2b_{0,0,0,0,0,0,-4,0,-2,0}^r(x_4^2x_5 - 2x_4y_4y_5 - x_5y_4^2)(x_4^2y_5 +$$

$$2x_4x_5y_4 - y_4^2y_5) + 4b_{0,0,0,0,0,0,0,0,-4,1}^r x_5y_5(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) - 2b_{0,0,0,0,0,0,0,0,2,2}^r x_5y_5(x_5^2 +$$

$$y_5^2)^2 + 4b_{0,0,0,0,0,0,0,1,-4,0}^r x_5y_5(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) - 2b_{0,0,0,0,0,0,0,1,2,1}^r x_5y_5(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) - 2b_{0,0,0,0,0,0,0,2,2,0}^r x_5y_5(x_4^2 + y_4^2)^2 + 2b_{0,0,0,0,0,0,2,0,-2,1}^r(x_5^2 + y_5^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) -$$

$$2b_{0,0,0,0,0,0,2,0,4,0}^r(x_4x_5^2 - x_4y_5^2 - 2x_5y_4y_5)(2x_4x_5y_5 + x_5^2y_4 - y_4y_5^2) + 2b_{0,0,0,0,0,0,2,1,-2,0}^r(x_4^2 +$$

$$y_4^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b_{0,0,0,0,0,0,4,0,0,1}^r x_4y_4(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) -$$

$$4b_{0,0,0,0,0,0,4,1,0,0}^r x_4y_4(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) + 2b_{0,0,0,0,0,1,-2,0,0,1}^r x_4y_4(x_3^2 + y_3^2)(x_5^2 + y_5^2) +$$

$$2b_{0,0,0,0,0,1,-2,1,0,0}^r x_4y_4(x_3^2 + y_3^2)(x_4^2 + y_4^2) + 4b_{0,0,0,0,0,1,0,0,-4,0}^r x_5y_5(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) -$$

$$2b_{0,0,0,0,0,1,0,0,2,1}^r x_5y_5(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2b_{0,0,0,0,0,1,0,1,2,0}^r x_5y_5(x_3^2 + y_3^2)(x_4^2 + y_4^2) +$$

$$2b_{0,0,0,0,0,1,2,0,-2,0}^r(x_3^2 + y_3^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b_{0,0,0,0,0,1,4,0,0,0}^r x_4y_4(x_3^2 + y_3^2)(x_4 -$$

$$y_4)(x_4 + y_4) + 2b_{0,0,0,0,0,2,-2,0,0,0}^r x_4y_4(x_3^2 + y_3^2)^2 - 2b_{0,0,0,0,0,2,0,0,2,0}^r x_5y_5(x_3^2 + y_3^2)^2 -$$

$$2b_{0,0,0,0,2,0,-2,0,2,0}^r(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4)(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5) +$$

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$$2b^r_{0,0,0,0,2,0,-4,0,0,0}(x_3x_4^2 - x_3y_4^2 + 2x_4y_3y_4)(2x_3x_4y_4 - x_4^2y_3 + y_3y_4^2) + 2b^r_{0,0,0,0,2,0,0,0,-2,1}(x_5^2 + y_5^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b^r_{0,0,0,0,2,0,0,0,4,0}(x_3x_5^2 - x_3y_5^2 - 2x_5y_3y_5)(2x_3x_5y_5 + x_5^2y_3 - y_3y_5^2) + 2b^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) - 2b^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) + 2b^r_{0,0,0,0,2,1,0,0,0,-2,0}(x_3^2 + y_3^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) - 4b^r_{0,0,0,0,4,0,0,0,0,0,1}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) - 4b^r_{0,0,0,0,4,0,0,1,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) - 4b^r_{0,0,0,0,4,1,0,0,0,0}x_3y_3(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) +$$

$$2b^r_{0,0,0,1,-2,0,0,0,0,1}x_3y_3(x_2^2 + y_2^2)(x_5^2 + y_5^2) + 2b^r_{0,0,0,1,-2,0,0,1,0,0}x_3y_3(x_2^2 + y_2^2)(x_4^2 + y_4^2) + 2b^r_{0,0,0,1,-2,1,0,0,0,0}x_3y_3(x_2^2 + y_2^2)(x_3^2 + y_3^2) + 2b^r_{0,0,0,1,0,0,-2,0,0,1}x_4y_4(x_2^2 + y_2^2)(x_5^2 + y_5^2) + 2b^r_{0,0,0,1,0,0,-2,1,0,0}x_4y_4(x_2^2 + y_2^2)(x_4^2 + y_4^2) + 4b^r_{0,0,0,1,0,0,0,0,-4,0}x_5y_5(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) - 2b^r_{0,0,0,1,0,0,0,0,2,1}x_5y_5(x_2^2 + y_2^2)(x_5^2 + y_5^2) - 2b^r_{0,0,0,1,0,0,0,1,2,0}x_5y_5(x_2^2 + y_2^2)(x_4^2 + y_4^2) + 2b^r_{0,0,0,1,0,0,2,0,-2,0}(x_2^2 + y_2^2)(x_4x_5 + y_4y_5)(x_4y_5 - x_5y_4) - 4b^r_{0,0,0,1,0,0,4,0,0,0}x_4y_4(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4) + 2b^r_{0,0,0,1,0,1,-2,0,0,0}x_4y_4(x_2^2 + y_2^2)(x_3^2 + y_3^2) - 2b^r_{0,0,0,1,0,1,0,0,2,0}x_5y_5(x_2^2 + y_2^2)(x_3^2 + y_3^2) + 2b^r_{0,0,0,1,2,0,0,0,-2,0}(x_2^2 + y_2^2)(x_3x_5 + y_3y_5)(x_3y_5 - x_5y_3) - 2b^r_{0,0,0,1,2,0,2,0,0,0}(x_2^2 + y_2^2)(x_3x_4 - y_3y_4)(x_3y_4 + x_4y_3) - 4b^r_{0,0,0,1,4,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3) + 2b^r_{0,0,0,2,-2,0,0,0,0,0}x_3y_3(x_2^2 + y_2^2)^2 + 2b^r_{0,0,0,2,0,0,-2,0,0,0}x_4y_4(x_2^2 + y_2^2)^2 - 2b^r_{0,0,0,2,0,0,0,0,2,0}x_5y_5(x_2^2 + y_2^2)^2 +$$

$$b^r_{0,0,1,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) + b^r_{0,0,1,0,-1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) -$$

$$b^r_{0,0,1,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,0,1,0,-3,0,1,0,-1,0}(x_2x_3^3x_4y_5 - x_2x_3^3x_5y_4 + 3x_2x_3^2x_4x_5y_3 + 3x_2x_3^3y_3y_4y_5 - 3x_2x_3x_4y_3^2y_5 + 3x_2x_3x_5y_3^2y_4 - x_2x_4x_5y_3^3 - x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5 + 3x_3^3x_4y_2y_3y_5 - 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 - x_4y_2y_3^3y_5 + x_5y_2y_3^3y_4) - b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) +$$

$$b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2x_3x_4^3y_5 + 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 - x_2x_3x_5y_4^3 - x_2x_4^3x_5y_3 + 3x_2x_4^2y_3y_4y_5 + 3x_2x_4x_5y_3y_4^2 - x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 + 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 - x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5 - 3x_4^2x_5y_2y_3y_4 + 3x_4y_2y_3y_4^2y_5 + x_5y_2y_3y_4^3) + b^r_{0,0,1,0,1,0,1,0,-3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 - x_2x_3x_5^3y_4 + 3x_2x_3x_5y_4y_5^2 - x_2x_4x_5^3y_3 + 3x_2x_4x_5y_3y_5^2 - 3x_2x_5^2y_3y_4y_5 + x_2y_3y_4y_5^3 - x_3x_4x_5^3y_2 + 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 + x_5^3y_2y_3y_4 - 3x_5y_2y_3y_4y_5^2) - b^r_{0,0,1,0,1,0,1,0,3,0}(3x_2x_3x_4x_5^2y_5 - x_2x_3x_4y_5^3 + x_2x_3x_5^3y_4 - 3x_2x_3x_5y_4y_5^2 + x_2x_4x_5^3y_3 - 3x_2x_4x_5y_3y_5^2 - 3x_2x_5^2y_3y_4y_5 + x_2y_3y_4y_5^3 + x_3x_4x_5^3y_2 - 3x_3x_4x_5y_2y_5^2 - 3x_3x_5^2y_2y_4y_5 + x_3y_2y_4y_5^3 - 3x_4x_5^2y_2y_3y_5 + x_4y_2y_3y_5^3 - x_5^3y_2y_3y_4 + 3x_5y_2y_3y_4y_5^2) + b^r_{0,0,1,0,1,0,3,0,-1,0}(x_2x_3x_4^3y_5 - 3x_2x_3x_4^2x_5y_4 - 3x_2x_3x_4y_4^2y_5 + x_2x_3x_5y_4^3 - x_2x_4^3x_5y_3 - 3x_2x_4^2y_3y_4y_5 + 3x_2x_4x_5y_3y_4^2 +$$

$$x_2y_3y_4^3y_5 - x_3x_4^3x_5y_2 - 3x_3x_4^2y_2y_4y_5 + 3x_3x_4x_5y_2y_4^2 + x_3y_2y_4^3y_5 - x_4^3y_2y_3y_5+$$

$$3x_4^2x_5y_2y_3y_4 + 3x_4y_2y_3y_4^2y_5 - x_5y_2y_3y_4^3) - b^r_{0,0,1,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4y_5-$$

$$x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 + x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,0,1,0,3,0,1,0,-1,0}(x_2x_3^3x_4y_5 - x_2x_3^3x_5y_4 - 3x_2x_3^2x_4x_5y_3 - 3x_2x_3^2y_3y_4y_5-$$

$$3x_2x_3x_4y_3^2y_5 + 3x_2x_3x_5y_3^2y_4 + x_2x_4x_5y_3^3 + x_2y_3^3y_4y_5 - x_3^3x_4x_5y_2 - x_3^3y_2y_4y_5-$$

$$3x_3^2x_4y_2y_3y_5 + 3x_3^2x_5y_2y_3y_4 + 3x_3x_4x_5y_2y_3^2 + 3x_3y_2y_3^2y_4y_5 + x_4y_2y_3^3y_5-$$

$$x_5y_2y_3^3y_4) + b^r_{0,0,1,1,-1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_2x_3x_4y_5 + x_2x_3x_5y_4 + x_2x_4x_5y_3 - x_2y_3y_4y_5-$$

$$x_3x_4x_5y_2 + x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4) - b^r_{0,0,1,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4y_5+$$

$$x_2x_3x_5y_4 - x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2 - x_3y_2y_4y_5 + x_4y_2y_3y_5 + x_5y_2y_3y_4)-$$

$$b^r_{0,0,1,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 + x_2x_4x_5y_3 + x_2y_3y_4y_5 + x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4) + 2b^r_{0,0,2,0,-2,0,0,0,-2,0}(x_2x_3x_5 - x_2y_3y_5 + x_3y_2y_5+$$

$$x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3 - x_3x_5y_2 + y_2y_3y_5) - 2b^r_{0,0,2,0,-2,0,2,0,0,0}(x_2x_3x_4 + x_2y_3y_4 - x_3y_2y_4+$$

$$x_4y_2y_3)(x_2x_3y_4 - x_2x_4y_3 + x_3x_4y_2 + y_2y_3y_4) + 2b^r_{0,0,2,0,0,0,-2,0,-2,0}(x_2x_4x_5 - x_2y_4y_5 + x_4y_2y_5+$$

$$x_5y_2y_4)(x_2x_4y_5 + x_2x_5y_4 - x_4x_5y_2 + y_2y_4y_5) - 2b^r_{0,0,2,0,0,0,0,0,0,2}x_2y_2(x_5^2 + y_5^2)^2-$$

$$2b^r_{0,0,2,0,0,0,0,0,1,0,1}x_2y_2(x_4^2 + y_4^2)(x_5^2 + y_5^2) - 2b^r_{0,0,2,0,0,0,0,0,2,0,0}x_2y_2(x_4^2 + y_4^2)^2-$$

$$2b^r_{0,0,2,0,0,0,0,2,0,2,0}(x_2x_4x_5 - x_2y_4y_5 - x_4y_2y_5 - x_5y_2y_4)(x_2x_4y_5 + x_2x_5y_4 + x_4x_5y_2 - y_2y_4y_5)-$$

$$2b^r_{0,0,2,0,0,1,0,0,0,1}x_2y_2(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2b^r_{0,0,2,0,0,1,0,1,0,0}x_2y_2(x_3^2 + y_3^2)(x_4^2 + y_4^2)-$$

$$2b^r_{0,0,2,0,0,2,0,0,0,0}x_2y_2(x_3^2 + y_3^2)^2 + 2b^r_{0,0,2,0,2,0,-2,0,0,0}(x_2x_3x_4 + x_2y_3y_4 + x_3y_2y_4-$$

$$x_4y_2y_3)(x_2x_3y_4 - x_2x_4y_3 - x_3x_4y_2 - y_2y_3y_4) - 2b^r_{0,0,2,0,2,0,0,0,2,0}(x_2x_3x_5 - x_2y_3y_5 - x_3y_2y_5-$$

$$x_5y_2y_3)(x_2x_3y_5 + x_2x_5y_3 + x_3x_5y_2 - y_2y_3y_5) - 2b^r_{0,0,2,1,0,0,0,0,0,1}x_2y_2(x_2^2 + y_2^2)(x_5^2 + y_5^2)-$$

$$2b^r_{0,0,2,1,0,0,0,1,0,0}x_2y_2(x_2^2 + y_2^2)(x_4^2 + y_4^2) - 2b^r_{0,0,2,1,0,1,0,0,0,0}x_2y_2(x_2^2 + y_2^2)(x_3^2 + y_3^2)-$$

$$2b^r_{0,0,2,2,0,0,0,0,0,0}x_2y_2(x_2^2 + y_2^2)^2 + b^r_{0,0,3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4y_5 - x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3+$$

$$x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 - 3x_2^2x_3y_2y_4y_5 + 3x_2^2x_4y_2y_3y_5 - 3x_2^2x_5y_2y_3y_4-$$

$$3x_2x_3x_4y_2^2y_5 + 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5 + x_3x_4x_5y_2^3+$$

$$x_3y_2^3y_4y_5 - x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) + b^r_{0,0,3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4y_5 + x_2^3x_3x_5y_4-$$

$$x_2^3x_4x_5y_3 + x_2^3y_3y_4y_5 - 3x_2^2x_3x_4x_5y_2 + 3x_2^2x_3y_2y_4y_5 - 3x_2^2x_4y_2y_3y_5-$$

$$3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 + 3x_2x_4x_5y_2^2y_3 - 3x_2y_2^2y_3y_4y_5+$$

$$x_3x_4x_5y_2^3 - x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4) - b^r_{0,0,3,0,1,0,1,0,1,0}(x_2^3x_3x_4y_5+$$

$$x_2^3x_3x_5y_4 + x_2^3x_4x_5y_3 - x_2^3y_3y_4y_5 + 3x_2^2x_3x_4x_5y_2 - 3x_2^2x_3y_2y_4y_5-$$

$$3x_2^2x_4y_2y_3y_5 - 3x_2^2x_5y_2y_3y_4 - 3x_2x_3x_4y_2^2y_5 - 3x_2x_3x_5y_2^2y_4 - 3x_2x_4x_5y_2^2y_3+$$

$$3x_2y_2^2y_3y_4y_5 - x_3x_4x_5y_2^3 + x_3y_2^3y_4y_5 + x_4y_2^3y_3y_5 + x_5y_2^3y_3y_4)+$$

$$2b^r_{0,0,4,0,0,0,0,0,-2,0}(x_2^2x_5 + 2x_2y_2y_5 - x_5y_2^2)(x_2^2y_5 - 2x_2x_5y_2 - y_2^2y_5) - 2b^r_{0,0,4,0,0,0,2,0,0,0}(x_2^2x_4-$$

$$2x_2y_2y_4 - x_4y_2^2)(x_2^2y_4 + 2x_2x_4y_2 - y_2^2y_4) - 2b^r_{0,0,4,0,2,0,0,0,0,0}(x_2^2x_3 - 2x_2y_2y_3-$$

$$x_3y_2^2)(x_2^2y_3 + 2x_2x_3y_2 - y_2^2y_3) - b^r_{0,1,-1,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4-$$

$$x_2x_4x_5y_3 - x_2y_3y_4y_5 - x_3x_4x_5y_2 - x_3y_2y_4y_5 - x_4y_2y_3y_5 + x_5y_2y_3y_4)+$$

$$b^r_{0,1,-1,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2x_3x_4y_5 - x_2x_3x_5y_4 - x_2x_4x_5y_3 - x_2y_3y_4y_5 + x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5 + x_4y_2y_3y_5 - x_5y_2y_3y_4) + 2b^r_{0,1,-2,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_2x_5 - y_2y_5)(x_2y_5 + x_5y_2)-$$

$$2b^r_{0,1,-2,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2x_4 + y_2y_4)(x_2y_4 - x_4y_2) - 2b^r_{0,1,-2,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2x_3+$$

$$y_2y_3)(x_2y_3 - x_3y_2) + 4b^r_{0,1,-4,0,0,0,0,0,0,0}x_2y_2(x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)+$$

$$2b^r_{0,1,0,0,-2,0,0,0,0,1}x_3y_3(x_1^2 + y_1^2)(x_5^2 + y_5^2) + 2b^r_{0,1,0,0,-2,0,0,1,0,0}x_3y_3(x_1^2 + y_1^2)(x_4^2 + y_4^2)+$$

$$2b^r_{0,1,0,0,-2,1,0,0,0,0}x_3y_3(x_1^2 + y_1^2)(x_3^2 + y_3^2) + 2b^r_{0,1,0,0,0,0,-2,0,0,1}x_4y_4(x_1^2 + y_1^2)(x_5^2 + y_5^2)+$$

$$2b^r_{0,1,0,0,0,0,-2,1,0,0}x_4y_4(x_1^2 + y_1^2)(x_4^2 + y_4^2) + 4b^r_{0,1,0,0,0,0,0,0,-4,0}x_5y_5(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5)-$$

$$2b^r_{0,1,0,0,0,0,0,0,2,1}x_5y_5(x_1^2+y_1^2)(x_5^2+y_5^2) - 2b^r_{0,1,0,0,0,0,0,1,2,0}x_5y_5(x_1^2+y_1^2)(x_4^2+y_4^2)+$$

$$2b^r_{0,1,0,0,0,0,2,0,-2,0}(x_1^2+y_1^2)(x_4x_5+y_4y_5)(x_4y_5-x_5y_4) - 4b^r_{0,1,0,0,0,0,4,0,0,0}x_4y_4(x_1^2+y_1^2)(x_4-$$

$$y_4)(x_4+y_4) + 2b^r_{0,1,0,0,0,1,-2,0,0,0,0}x_4y_4(x_1^2+y_1^2)(x_3^2+y_3^2) - 2b^r_{0,1,0,0,0,1,0,0,2,0}x_5y_5(x_1^2+y_1^2)(x_3^2+$$

$$y_3^2) + 2b^r_{0,1,0,0,2,0,0,0,-2,0}(x_1^2+y_1^2)(x_3x_5+y_3y_5)(x_3y_5-x_5y_3) - 2b^r_{0,1,0,0,2,0,2,0,0,0}(x_1^2+y_1^2)(x_3x_4-$$

$$y_3y_4)(x_3y_4+x_4y_3) - 4b^r_{0,1,0,0,4,0,0,0,0,0}x_3y_3(x_1^2+y_1^2)(x_3-y_3)(x_3+y_3) + 2b^r_{0,1,0,1,-2,0,0,0,0,0}x_3y_3(x_1^2+$$

$$y_1^2)(x_2^2+y_2^2) + 2b^r_{0,1,0,1,0,0,-2,0,0,0}x_4y_4(x_1^2+y_1^2)(x_2^2+y_2^2) - 2b^r_{0,1,0,1,0,0,0,0,2,0}x_5y_5(x_1^2+$$

$$y_1^2)(x_2^2+y_2^2) + b^r_{0,1,1,0,-1,0,-1,0,-1,0}(x_1^2+y_1^2)(x_2x_3x_4y_5+x_2x_3x_5y_4+x_2x_4x_5y_3-x_2y_3y_4y_5-$$

$$x_3x_4x_5y_2+x_3y_2y_4y_5+x_4y_2y_3y_5+x_5y_2y_3y_4) - b^r_{0,1,1,0,-1,0,1,0,1,0}(x_1^2+y_1^2)(x_2x_3x_4y_5+$$

$$x_2x_3x_5y_4-x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2-x_3y_2y_4y_5+x_4y_2y_3y_5+x_5y_2y_3y_4)-$$

$$b^r_{0,1,1,0,1,0,-1,0,1,0}(x_1^2+y_1^2)(x_2x_3x_4y_5-x_2x_3x_5y_4+x_2x_4x_5y_3+x_2y_3y_4y_5+x_3x_4x_5y_2+$$

$$x_3y_2y_4y_5-x_4y_2y_3y_5+x_5y_2y_3y_4) - 2b^r_{0,1,2,0,0,0,0,0,0,1}x_2y_2(x_1^2+y_1^2)(x_5^2+y_5^2)-$$

$$2b^r_{0,1,2,0,0,0,0,1,0,0}x_2y_2(x_1^2+y_1^2)(x_4^2+y_4^2) - 2b^r_{0,1,2,0,0,1,0,0,0,0}x_2y_2(x_1^2+y_1^2)(x_3^2+y_3^2)-$$

$$2b^r_{0,1,2,1,0,0,0,0,0,0}x_2y_2(x_1^2+y_1^2)(x_2^2+y_2^2) + 2b^r_{0,2,0,0,0,-2,0,0,0,0}x_3y_3(x_1^2+y_1^2)^2+$$

$$2b^r_{0,2,0,0,0,0,-2,0,0,0}x_4y_4(x_1^2+y_1^2)^2 - 2b^r_{0,2,0,0,0,0,0,0,2,0}x_5y_5(x_1^2+y_1^2)^2-$$

$$2b^r_{0,2,2,0,0,0,0,0,0,0}x_2y_2(x_1^2+y_1^2)^2 + b^r_{1,0,-1,0,-2,0,0,0,0,1}(x_5^2+y_5^2)(2x_1x_2x_3y_3+x_1x_3^2y_2-$$

$$x_1y_2y_3^2-x_2x_3^2y_1+x_2y_1y_3^2+2x_3y_1y_2y_3) + b^r_{1,0,-1,0,-2,0,0,1,0,0}(x_4^2+y_4^2)(2x_1x_2x_3y_3+$$

$$x_1x_3^2y_2-x_1y_2y_3^2-x_2x_3^2y_1+x_2y_1y_3^2+2x_3y_1y_2y_3) + b^r_{1,0,-1,0,-2,1,0,0,0,0}(x_3^2+$$

$$y_3^2)(2x_1x_2x_3y_3+x_1x_3^2y_2-x_1y_2y_3^2-x_2x_3^2y_1+x_2y_1y_3^2+2x_3y_1y_2y_3)+$$

$$b^r_{1,0,-1,0,0,0,-2,0,0,1}(x_5^2+y_5^2)(2x_1x_2x_4y_4+x_1x_4^2y_2-x_1y_2y_4^2-x_2x_4^2y_1+x_2y_1y_4^2+$$

$$2x_4y_1y_2y_4) + b^r_{1,0,-1,0,0,0,-2,1,0,0}(x_4^2+y_4^2)(2x_1x_2x_4y_4+x_1x_4^2y_2-x_1y_2y_4^2-x_2x_4^2y_1+$$

$$x_2y_1y_4^2+2x_4y_1y_2y_4) + b^r_{1,0,-1,0,0,0,0,0,-4,0}(4x_1x_2x_5^3y_5-4x_1x_2x_5y_5^3+x_1x_5^4y_2-$$

$$6x_1x_5^2y_2y_5^2+x_1y_2y_5^4-x_2x_5^4y_1+6x_2x_5^2y_1y_5^2-x_2y_1y_5^4+4x_5^3y_1y_2y_5-$$

$$4x_5y_1y_2y_5^3) - b^r_{1,0,-1,0,0,0,0,0,2,1}(x_5^2+y_5^2)(2x_1x_2x_5y_5-x_1x_5^2y_2+x_1y_2y_5^2+x_2x_5^2y_1-$$

$$x_2y_1y_5^2+2x_5y_1y_2y_5) - b^r_{1,0,-1,0,0,0,0,1,2,0}(x_4^2+y_4^2)(2x_1x_2x_5y_5-x_1x_5^2y_2+x_1y_2y_5^2+$$

$$x_2x_5^2y_1-x_2y_1y_5^2+2x_5y_1y_2y_5) + b^r_{1,0,-1,0,0,0,2,0,-2,0}(2x_1x_2x_4^2x_5y_5-2x_1x_2x_4x_5^2y_4+$$

$$2x_1x_2x_4y_4y_5^2-2x_1x_2x_5y_4^2y_5+x_1x_4^2x_5^2y_2-x_1x_4^2y_2y_5^2+4x_1x_4x_5y_2y_4y_5-$$

$$x_1x_5^2y_2y_4^2+x_1y_2y_4^2y_5^2-x_2x_4^2x_5^2y_1+x_2x_4^2y_1y_5^2-4x_2x_4x_5y_1y_4y_5+$$

$$x_2x_5^2y_1y_4^2-x_2y_1y_4^2y_5^2+2x_4^2x_5y_1y_2y_5-2x_4x_5^2y_1y_2y_4+2x_4y_1y_2y_4y_5^2-$$

$$2x_5y_1y_2y_4^2y_5) - b^r_{1,0,-1,0,0,0,4,0,0,0}(4x_1x_2x_4^3y_4-4x_1x_2x_4y_4^3-x_1x_4^4y_2+6x_1x_4^2y_2y_4^2-$$

$$x_1y_2y_4^4+x_2x_4^4y_1-6x_2x_4^2y_1y_4^2+x_2y_1y_4^4+4x_4^3y_1y_2y_4-4x_4y_1y_2y_4^3)+$$

$$b^r_{1,0,-1,0,0,1,-2,0,0,0}(x_3^2+y_3^2)(2x_1x_2x_4y_4+x_1x_4^2y_2-x_1y_2y_4^2-x_2x_4^2y_1+x_2y_1y_4^2+$$

$$2x_4y_1y_2y_4) - b^r_{1,0,-1,0,0,1,0,0,2,0}(x_3^2+y_3^2)(2x_1x_2x_5y_5-x_1x_5^2y_2+x_1y_2y_5^2+x_2x_5^2y_1-$$

$$x_2y_1y_5^2+2x_5y_1y_2y_5) + b^r_{1,0,-1,0,2,0,0,0,-2,0}(2x_1x_2x_3^2x_5y_5-2x_1x_2x_3x_5^2y_3+2x_1x_2x_3y_3y_5^2-$$

$$2x_1x_2x_5y_3^2y_5+x_1x_3^2x_5^2y_2-x_1x_3^2y_2y_5^2+4x_1x_3x_5y_2y_3y_5-x_1x_5^2y_2y_3^2+$$

$$x_1y_2y_3^2y_5^2-x_2x_3^2x_5^2y_1+x_2x_3^2y_1y_5^2-4x_2x_3x_5y_1y_3y_5+x_2x_5^2y_1y_3^2-$$

$$x_2y_1y_3^2y_5^2+2x_3^2x_5y_1y_2y_5-2x_3x_5^2y_1y_2y_3+2x_3y_1y_2y_3y_5^2-2x_5y_1y_2y_3^2y_5)-$$

$$b^r_{1,0,-1,0,2,0,2,0,0,0}(2x_1x_2x_3^2x_4y_4+2x_1x_2x_3x_4^2y_3-2x_1x_2x_3y_3y_4^2-2x_1x_2x_4y_3^2y_4-$$

$$x_1x_3^2x_4^2y_2+x_1x_3^2y_2y_4^2+4x_1x_3x_4y_2y_3y_4+x_1x_4^2y_2y_3^2-x_1y_2y_3^2y_4^2+$$

$$x_2x_3^2x_4^2y_1-x_2x_3^2y_1y_4^2-4x_2x_3x_4y_1y_3y_4-x_2x_4^2y_1y_3^2+x_2y_1y_3^2y_4^2+$$

$$2x_3^2x_4y_1y_2y_4+2x_3x_4^2y_1y_2y_3-2x_3y_1y_2y_3y_4^2-2x_4y_1y_2y_3^2y_4)-$$

$$b^r_{1,0,-1,0,4,0,0,0,0,0}(4x_1x_2x_3^3y_3-4x_1x_2x_3y_3^3-x_1x_3^4y_2+6x_1x_3^2y_2y_3^2-x_1y_2y_3^4+$$

$$x_2x_3^4y_1-6x_2x_3^2y_1y_3^2+x_2y_1y_3^4+4x_3^3y_1y_2y_3-4x_3y_1y_2y_3^3) + b^r_{1,0,-1,1,-2,0,0,0,0,0}(x_2^2+$$

$$y_2^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3)+$$

$$b^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2+$$

$$2x_4y_1y_2y_4) - b^r_{1,0,-1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1-$$

$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) - b^r_{1,0,-2,0,-1,0,-1,0,1,0}(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3-$$

$$x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 + 2x_1x_2x_5y_2y_3y_4-$$

$$x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 + x_2^2x_3x_4x_5y_1+$$

$$x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4-$$

$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 - x_4y_1y_2^2y_3y_5+$$

$$x_5y_1y_2^2y_3y_4) + b^r_{1,0,-2,0,1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 - x_1x_2^2x_4x_5y_3-$$

$$x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 - 2x_1x_2x_5y_2y_3y_4-$$

$$x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 - x_2^2x_3x_4x_5y_1-$$

$$x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 + x_2^2x_5y_1y_3y_4 + 2x_2x_3x_4y_1y_2y_5 - 2x_2x_3x_5y_1y_2y_4-$$

$$2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 + x_4y_1y_2^2y_3y_5-$$

$$x_5y_1y_2^2y_3y_4) + b^r_{1,0,-3,0,0,0,0,0,-2,0}(2x_1x_2^3x_5y_5 + 3x_1x_2^2x_5^2y_2 - 3x_1x_2^2y_2y_5^2-$$

$$6x_1x_2x_5y_2^2y_5 - x_1x_5^2y_2^3 + x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2 + 6x_2^2x_5y_1y_2y_5+$$

$$3x_2x_5^2y_1y_2^2 - 3x_2y_1y_2^2y_5^2 - 2x_5y_1y_2^3y_5) - b^r_{1,0,-3,0,0,0,2,0,0,0}(2x_1x_2^3x_4y_4-$$

$$3x_1x_2^2x_4^2y_2 + 3x_1x_2^2y_2y_4^2 - 6x_1x_2x_4y_2^2y_4 + x_1x_4^2y_2^3 - x_1y_2^3y_4^2 + x_2^3x_4^2y_1-$$

$$x_2^3y_1y_4^2 + 6x_2^2x_4y_1y_2y_4 - 3x_2x_4^2y_1y_2^2 + 3x_2y_1y_2^2y_4^2 - 2x_4y_1y_2^3y_4)-$$

$$b^r_{1,0,-3,0,2,0,0,0,0,0}(2x_1x_2^3x_3y_3 - 3x_1x_2^2x_3^2y_2 + 3x_1x_2^2y_2y_3^2 - 6x_1x_2x_3y_2^2y_3+$$

$$x_1x_3^2y_2^3 - x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2 + 6x_2^2x_3y_1y_2y_3 - 3x_2x_3^2y_1y_2^2+$$

$$3x_2y_1y_2^2y_3^2 - 2x_3y_1y_2^3y_3) + b^r_{1,0,-5,0,0,0,0,0,0,0}(5x_1x_2^4y_2 - 10x_1x_2^2y_2^3 + x_1y_2^5 - x_2^5y_1+$$

$$10x_2^3y_1y_2^2 - 5x_2y_1y_2^4) + b^r_{1,0,0,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3-$$

$$x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) + b^r_{1,0,0,0,-1,0,-1,1,-1,0}(x_4^2+$$

$$y_4^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5+$$

$$x_5y_1y_3y_4) - b^r_{1,0,0,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5+$$

$$x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5+$$

$$x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4)+$$

$$b^r_{1,0,0,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 - x_1y_3y_4y_5 - x_3x_4x_5y_1+$$

$$x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4-$$

$$x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4)+$$

$$b^r_{1,0,0,0,-3,0,1,0,-1,0}(x_1x_3^3x_4y_5 - x_1x_3^3x_5y_4 + 3x_1x_3^2x_4x_5y_3 + 3x_1x_3^2y_3y_4y_5-$$

$$3x_1x_3x_4y_3^2y_5 + 3x_1x_3x_5y_3^2y_4 - x_1x_4x_5y_3^3 - x_1y_3^3y_4y_5 - x_3^3x_4x_5y_1 - x_3^3y_1y_4y_5+$$

$$3x_3^2x_4y_1y_3y_5 - 3x_3^2x_5y_1y_3y_4 + 3x_3x_4x_5y_1y_3^2 + 3x_3y_1y_3^2y_4y_5 - x_4y_1y_3^3y_5+$$

$$x_5y_1y_3^3y_4) - b^r_{1,0,0,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5+$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4y_5-$$

$$x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4)+$$

$$b^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3y_5 + 3x_1x_3x_4^2x_5y_4 - 3x_1x_3x_4y_4^2y_5 - x_1x_3x_5y_4^3 - x_1x_4^3x_5y_3+$$

$$3x_1x_4^2y_3y_4y_5 + 3x_1x_4x_5y_3y_4^2 - x_1y_3y_4^3y_5 - x_3x_4^3x_5y_1 + 3x_3x_4^2y_1y_4y_5+$$

$$3x_3x_4x_5y_1y_4^2 - x_3y_1y_4^3y_5 - x_4^3y_1y_3y_5 - 3x_4^2x_5y_1y_3y_4 + 3x_4y_1y_3y_4^2y_5+$$

$$x_5y_1y_3y_4^3) + b^r_{1,0,0,0,1,0,1,0,-3,0}(3x_1x_3x_4x_5^2y_5 - x_1x_3x_4y_5^3 - x_1x_3x_5^3y_4 + 3x_1x_3x_5y_4y_5^2-$$

$$x_1x_4x_5^3y_3 + 3x_1x_4x_5y_3y_5^2 - 3x_1x_5^2y_3y_4y_5 + x_1y_3y_4y_5^3 - x_3x_4x_5^3y_1+$$

$$3x_3x_4x_5y_1y_5^2 - 3x_3x_5^2y_1y_4y_5 + x_3y_1y_4y_5^3 - 3x_4x_5^2y_1y_3y_5 + x_4y_1y_3y_5^3+$$

$$x_5^3 y_1 y_3 y_4 - 3x_5 y_1 y_3 y_4 y_5^2) - b_{1,0,0,0,0,1,0,1,0,3,0}^r (3x_1 x_3 x_4 x_5^2 y_5 - x_1 x_3 x_4 y_5^3 + x_1 x_3 x_5^3 y_4 -$$

$$3x_1 x_3 x_5 y_4 y_5^2 + x_1 x_4 x_5^3 y_3 - 3x_1 x_4 x_5 y_3 y_5^2 - 3x_1 x_5^2 y_3 y_4 y_5 + x_1 y_3 y_4 y_5^3 +$$

$$x_3 x_4 x_5^3 y_1 - 3x_3 x_4 x_5 y_1 y_5^2 - 3x_3 x_5^2 y_1 y_4 y_5 + x_3 y_1 y_4 y_5^3 - 3x_4 x_5^2 y_1 y_3 y_5 +$$

$$x_4 y_1 y_3 y_5^3 - x_5^3 y_1 y_3 y_4 + 3x_5 y_1 y_3 y_4 y_5^2) + b_{1,0,0,0,0,1,0,3,0,-1,0}^r (x_1 x_3 x_4^3 y_5 - 3x_1 x_3 x_4^2 x_5 y_4 -$$

$$3x_1 x_3 x_4 y_4^2 y_5 + x_1 x_3 x_5 y_4^3 - x_1 x_4^3 x_5 y_3 - 3x_1 x_4^2 y_3 y_4 y_5 + 3x_1 x_4 x_5 y_3 y_4^2 +$$

$$x_1 y_3 y_4^3 y_5 - x_3 x_4^3 x_5 y_1 - 3x_3 x_4^2 y_1 y_4 y_5 + 3x_3 x_4 x_5 y_1 y_4^2 + x_3 y_1 y_4^3 y_5 - x_4^3 y_1 y_3 y_5 +$$

$$3x_4^2 x_5 y_1 y_3 y_4 + 3x_4 y_1 y_3 y_4^2 y_5 - x_5 y_1 y_3 y_4^3) - b_{1,0,0,0,0,1,1,-1,0,1,0}^r (x_3^2 + y_3^2)(x_1 x_3 x_4 y_5 -$$

$$x_1 x_3 x_5 y_4 + x_1 x_4 x_5 y_3 + x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 + x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) +$$

$$b_{1,0,0,0,3,0,1,0,-1,0}^r (x_1 x_3^3 x_4 y_5 - x_1 x_3^3 x_5 y_4 - 3x_1 x_3^2 x_4 x_5 y_3 - 3x_1 x_3^2 y_3 y_4 y_5 -$$

$$3x_1 x_3 x_4 y_3^2 y_5 + 3x_1 x_3 x_5 y_3^2 y_4 + x_1 x_4 x_5 y_3^3 + x_1 y_3^3 y_4 y_5 - x_3^3 x_4 x_5 y_1 - x_3^3 y_1 y_4 y_5 -$$

$$3x_3^2 x_4 y_1 y_3 y_5 + 3x_3^2 x_5 y_1 y_3 y_4 + 3x_3 x_4 x_5 y_1 y_3^2 + 3x_3 y_1 y_3^2 y_4 y_5 + x_4 y_1 y_3^3 y_5 -$$

$$x_5 y_1 y_3^3 y_4) + b_{1,0,0,1,-1,0,-1,0,-1,0}^r (x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 + x_1 x_3 x_5 y_4 + x_1 x_4 x_5 y_3 - x_1 y_3 y_4 y_5 -$$

$$x_3 x_4 x_5 y_1 + x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) - b_{1,0,0,1,-1,0,1,0,1,0}^r (x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 +$$

$$x_1 x_3 x_5 y_4 - x_1 x_4 x_5 y_3 + x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 - x_3 y_1 y_4 y_5 + x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) -$$

$$b_{1,0,0,1,1,0,-1,0,1,0}^r (x_2^2 + y_2^2)(x_1 x_3 x_4 y_5 - x_1 x_3 x_5 y_4 + x_1 x_4 x_5 y_3 + x_1 y_3 y_4 y_5 + x_3 x_4 x_5 y_1 +$$

$$x_3 y_1 y_4 y_5 - x_4 y_1 y_3 y_5 + x_5 y_1 y_3 y_4) + b_{1,0,1,0,-2,0,0,0,-2,0}^r (2x_1 x_2 x_3^2 x_5 y_5 + 2x_1 x_2 x_3 x_5^2 y_3 -$$

$$2x_1 x_2 x_3 y_3 y_5^2 - 2x_1 x_2 x_5 y_3^2 y_5 - x_1 x_3^2 x_5^2 y_2 + x_1 x_3^2 y_2 y_5^2 + 4x_1 x_3 x_5 y_2 y_3 y_5 +$$

$$x_1 x_5^2 y_2 y_3^2 - x_1 y_2 y_3^2 y_5^2 - x_2 x_3^2 x_5^2 y_1 + x_2 x_3^2 y_1 y_5^2 + 4x_2 x_3 x_5 y_1 y_3 y_5 +$$

$$x_2 x_5^2 y_1 y_3^2 - x_2 y_1 y_3^2 y_5^2 - 2x_3^2 x_5 y_1 y_2 y_5 - 2x_3 x_5^2 y_1 y_2 y_3 + 2x_3 y_1 y_2 y_3 y_5^2 +$$

$$2x_5 y_1 y_2 y_3^2 y_5) - b_{1,0,1,0,-2,0,2,0,0,0}^r (2x_1 x_2 x_3^2 x_4 y_4 - 2x_1 x_2 x_3 x_4^2 y_3 + 2x_1 x_2 x_3 y_3 y_4^2 -$$

$$2x_1 x_2 x_4 y_3^2 y_4 + x_1 x_3^2 x_4^2 y_2 - x_1 x_3^2 y_2 y_4^2 + 4x_1 x_3 x_4 y_2 y_3 y_4 - x_1 x_4^2 y_2 y_3^2 +$$

$$x_1 y_2 y_3^2 y_4^2 + x_2 x_3^2 x_4^2 y_1 - x_2 x_3^2 y_1 y_4^2 + 4x_2 x_3 x_4 y_1 y_3 y_4 - x_2 x_4^2 y_1 y_3^2 +$$

$$x_2 y_1 y_3^2 y_4^2 - 2x_3^2 x_4 y_1 y_2 y_4 + 2x_3 x_4^2 y_1 y_2 y_3 - 2x_3 y_1 y_2 y_3 y_4^2 + 2x_4 y_1 y_2 y_3^2 y_4) +$$

$$b_{1,0,1,0,0,0,-2,0,-2,0}^r (2x_1 x_2 x_4^2 x_5 y_5 + 2x_1 x_2 x_4 x_5^2 y_4 - 2x_1 x_2 x_4 y_4 y_5^2 - 2x_1 x_2 x_5 y_4^2 y_5 -$$

$$x_1 x_4^2 x_5^2 y_2 + x_1 x_4^2 y_2 y_5^2 + 4x_1 x_4 x_5 y_2 y_4 y_5 + x_1 x_5^2 y_2 y_4^2 - x_1 y_2 y_4^2 y_5^2 -$$

$$x_2 x_4^2 x_5^2 y_1 + x_2 x_4^2 y_1 y_5^2 + 4x_2 x_4 x_5 y_1 y_4 y_5 + x_2 x_5^2 y_1 y_4^2 - x_2 y_1 y_4^2 y_5^2 -$$

$$2x_4^2 x_5 y_1 y_2 y_5 - 2x_4 x_5^2 y_1 y_2 y_4 + 2x_4 y_1 y_2 y_4 y_5^2 + 2x_5 y_1 y_2 y_4^2 y_5) - b_{1,0,1,0,0,0,0,0,0,2}^r (x_5^2 +$$

$$y_5^2)^2 (x_1 y_2 + x_2 y_1) - b_{1,0,1,0,0,0,0,0,1,0,1}^r (x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1 y_2 + x_2 y_1) - b_{1,0,1,0,0,0,0,2,0,0}^r (x_4^2 +$$

$$y_4^2)^2 (x_1 y_2 + x_2 y_1) - b_{1,0,1,0,0,0,2,0,2,0}^r (2x_1 x_2 x_4^2 x_5 y_5 + 2x_1 x_2 x_4 x_5^2 y_4 - 2x_1 x_2 x_4 y_4 y_5^2 -$$

$$2x_1 x_2 x_5 y_4^2 y_5 + x_1 x_4^2 x_5^2 y_2 - x_1 x_4^2 y_2 y_5^2 - 4x_1 x_4 x_5 y_2 y_4 y_5 - x_1 x_5^2 y_2 y_4^2 +$$

$$x_1 y_2 y_4^2 y_5^2 + x_2 x_4^2 x_5^2 y_1 - x_2 x_4^2 y_1 y_5^2 - 4x_2 x_4 x_5 y_1 y_4 y_5 - x_2 x_5^2 y_1 y_4^2 +$$

$$x_2 y_1 y_4^2 y_5^2 - 2x_4^2 x_5 y_1 y_2 y_5 - 2x_4 x_5^2 y_1 y_2 y_4 + 2x_4 y_1 y_2 y_4 y_5^2 + 2x_5 y_1 y_2 y_4^2 y_5) -$$

$$b_{1,0,1,0,0,1,0,0,0,1}^r (x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1 y_2 + x_2 y_1) - b_{1,0,1,0,0,1,0,1,0,0}^r (x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1 y_2 +$$

$$x_2 y_1) - b_{1,0,1,0,0,2,0,0,0,0}^r (x_3^2 + y_3^2)^2 (x_1 y_2 + x_2 y_1) + b_{1,0,1,0,2,0,-2,0,0,0}^r (2x_1 x_2 x_3^2 x_4 y_4 -$$

$$2x_1 x_2 x_3 x_4^2 y_3 + 2x_1 x_2 x_3 y_3 y_4^2 - 2x_1 x_2 x_4 y_3^2 y_4 - x_1 x_3^2 x_4^2 y_2 + x_1 x_3^2 y_2 y_4^2 -$$

$$4x_1 x_3 x_4 y_2 y_3 y_4 + x_1 x_4^2 y_2 y_3^2 - x_1 y_2 y_3^2 y_4^2 - x_2 x_3^2 x_4^2 y_1 + x_2 x_3^2 y_1 y_4^2 -$$

$$4x_2 x_3 x_4 y_1 y_3 y_4 + x_2 x_4^2 y_1 y_3^2 - x_2 y_1 y_3^2 y_4^2 - 2x_3^2 x_4 y_1 y_2 y_4 + 2x_3 x_4^2 y_1 y_2 y_3 -$$

$$2x_3 y_1 y_2 y_3 y_4^2 + 2x_4 y_1 y_2 y_3^2 y_4) - b_{1,0,1,0,2,0,0,0,0,2,0}^r (2x_1 x_2 x_3^2 x_5 y_5 + 2x_1 x_2 x_3 x_5^2 y_3 -$$

$$2x_1 x_2 x_3 y_3 y_5^2 - 2x_1 x_2 x_5 y_3^2 y_5 + x_1 x_3^2 x_5^2 y_2 - x_1 x_3^2 y_2 y_5^2 - 4x_1 x_3 x_5 y_2 y_3 y_5 -$$

$$x_1 x_5^2 y_2 y_3^2 + x_1 y_2 y_3^2 y_5^2 + x_2 x_3^2 x_5^2 y_1 - x_2 x_3^2 y_1 y_5^2 - 4x_2 x_3 x_5 y_1 y_3 y_5 -$$

$$x_2 x_5^2 y_1 y_3^2 + x_2 y_1 y_3^2 y_5^2 - 2x_3^2 x_5 y_1 y_2 y_5 - 2x_3 x_5^2 y_1 y_2 y_3 + 2x_3 y_1 y_2 y_3 y_5^2 +$$

$$2x_5 y_1 y_2 y_3^2 y_5) - b_{1,0,1,1,0,0,0,0,0,1}^r (x_2^2 + y_2^2)(x_5^2 + y_5^2)(x_1 y_2 + x_2 y_1) - b_{1,0,1,1,0,0,0,1,0,0}^r (x_2^2 +$$

$$y_2^2)(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) - b^r_{1,0,1,1,0,1,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_1y_2 + x_2y_1) -$$

$$b^r_{1,0,1,2,0,0,0,0,0,0}(x_2^2 + y_2^2)^2(x_1y_2 + x_2y_1) + b^r_{1,0,2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4y_5 - x_1x_2^2x_3x_5y_4 +$$

$$x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 + 2x_1x_2x_4y_2y_3y_5 -$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 + x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 -$$

$$x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 + x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 +$$

$$2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 -$$

$$x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{1,0,2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 -$$

$$x_1x_2^2x_4x_5y_3 + x_1x_2^2y_3y_4y_5 - 2x_1x_2x_3x_4x_5y_2 + 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 -$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 + x_1x_4x_5y_2^2y_3 - x_1y_2^2y_3y_4y_5 -$$

$$x_2^2x_3x_4x_5y_1 + x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 -$$

$$2x_2x_3x_5y_1y_2y_4 + 2x_2x_4x_5y_1y_2y_3 - 2x_2y_1y_2y_3y_4y_5 + x_3x_4x_5y_1y_2^2 - x_3y_1y_2^2y_4y_5 +$$

$$x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) - b^r_{1,0,2,0,1,0,1,0,1,0}(x_1x_2^2x_3x_4y_5 + x_1x_2^2x_3x_5y_4 +$$

$$x_1x_2^2x_4x_5y_3 - x_1x_2^2y_3y_4y_5 + 2x_1x_2x_3x_4x_5y_2 - 2x_1x_2x_3y_2y_4y_5 - 2x_1x_2x_4y_2y_3y_5 -$$

$$2x_1x_2x_5y_2y_3y_4 - x_1x_3x_4y_2^2y_5 - x_1x_3x_5y_2^2y_4 - x_1x_4x_5y_2^2y_3 + x_1y_2^2y_3y_4y_5 +$$

$$x_2^2x_3x_4x_5y_1 - x_2^2x_3y_1y_4y_5 - x_2^2x_4y_1y_3y_5 - x_2^2x_5y_1y_3y_4 - 2x_2x_3x_4y_1y_2y_5 -$$

$$2x_2x_3x_5y_1y_2y_4 - 2x_2x_4x_5y_1y_2y_3 + 2x_2y_1y_2y_3y_4y_5 - x_3x_4x_5y_1y_2^2 + x_3y_1y_2^2y_4y_5 +$$

$$x_4y_1y_2^2y_3y_5 + x_5y_1y_2^2y_3y_4) + b^r_{1,0,3,0,0,0,0,0,-2,0}(2x_1x_2^3x_5y_5 - 3x_1x_2^2x_5^2y_2 +$$

$$3x_1x_2^2y_2y_5^2 - 6x_1x_2x_5y_2^2y_5 + x_1x_5^2y_2^3 - x_1y_2^3y_5^2 - x_2^3x_5^2y_1 + x_2^3y_1y_5^2 -$$

$$6x_2^2x_5y_1y_2y_5 + 3x_2x_5^2y_1y_2^2 - 3x_2y_1y_2^2y_5^2 + 2x_5y_1y_2^3y_5) -$$

$$b^r_{1,0,3,0,0,0,2,0,0,0}(2x_1x_2^3x_4y_4 + 3x_1x_2^2x_4^2y_2 - 3x_1x_2^2y_2y_4^2 - 6x_1x_2x_4y_2^2y_4 -$$

$$x_1x_4^2y_2^3 + x_1y_2^3y_4^2 + x_2^3x_4^2y_1 - x_2^3y_1y_4^2 - 6x_2^2x_4y_1y_2y_4 - 3x_2x_4^2y_1y_2^2 +$$

$$3x_2y_1y_2^2y_4^2 + 2x_4y_1y_2^3y_4) - b^r_{1,0,3,0,2,0,0,0,0,0}(2x_1x_2^3x_3y_3 + 3x_1x_2^2x_3^2y_2 -$$

$$3x_1x_2^2y_2y_3^2 - 6x_1x_2x_3y_2^2y_3 - x_1x_3^2y_2^3 + x_1y_2^3y_3^2 + x_2^3x_3^2y_1 - x_2^3y_1y_3^2 -$$

$$6x_2^2x_3y_1y_2y_3 - 3x_2x_3^2y_1y_2^2 + 3x_2y_1y_2^2y_3^2 + 2x_3y_1y_2^3y_3) + b^r_{1,1,-1,0,-2,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(2x_1x_2x_3y_3 + x_1x_3^2y_2 - x_1y_2y_3^2 - x_2x_3^2y_1 + x_2y_1y_3^2 + 2x_3y_1y_2y_3) +$$

$$b^r_{1,1,-1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(2x_1x_2x_4y_4 + x_1x_4^2y_2 - x_1y_2y_4^2 - x_2x_4^2y_1 + x_2y_1y_4^2 +$$

$$2x_4y_1y_2y_4) - b^r_{1,1,-1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(2x_1x_2x_5y_5 - x_1x_5^2y_2 + x_1y_2y_5^2 + x_2x_5^2y_1 -$$

$$x_2y_1y_5^2 + 2x_5y_1y_2y_5) + b^r_{1,1,0,0,-1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 + x_1x_4x_5y_3 -$$

$$x_1y_3y_4y_5 - x_3x_4x_5y_1 + x_3y_1y_4y_5 + x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,1,0,0,-1,0,1,0,1,0}(x_1^2 +$$

$$y_1^2)(x_1x_3x_4y_5 + x_1x_3x_5y_4 - x_1x_4x_5y_3 + x_1y_3y_4y_5 + x_3x_4x_5y_1 - x_3y_1y_4y_5 + x_4y_1y_3y_5 +$$

$$x_5y_1y_3y_4) - b^r_{1,1,0,0,1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1x_3x_4y_5 - x_1x_3x_5y_4 + x_1x_4x_5y_3 + x_1y_3y_4y_5 +$$

$$x_3x_4x_5y_1 + x_3y_1y_4y_5 - x_4y_1y_3y_5 + x_5y_1y_3y_4) - b^r_{1,1,1,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1y_2 +$$

$$x_2y_1) - b^r_{1,1,1,0,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1y_2 + x_2y_1) - b^r_{1,1,1,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 +$$

$$y_3^2)(x_1y_2 + x_2y_1) - b^r_{1,1,1,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1y_2 + x_2y_1) - b^r_{1,2,1,0,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)^2(x_1y_2 + x_2y_1) + b^r_{2,0,-1,0,-1,0,-1,0,-1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 + x_1^2x_2x_4x_5y_3 -$$

$$x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 - x_1^2x_5y_2y_3y_4 -$$

$$2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 +$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$

$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 +$$

$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - b^r_{2,0,-1,0,-1,0,1,0,1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$

$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$

$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 +$$

$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$
$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 +$$
$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - b^r_{2,0,-1,0,1,0,-1,0,1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 +$$
$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 -$$
$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 + 2x_1x_2x_5y_1y_3y_4 +$$
$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$
$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$
$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + 2b^r_{2,0,-2,0,-2,0,0,0,0,0}(x_1x_2x_3 - x_1y_2y_3 + x_2y_1y_3 +$$
$$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 - x_2x_3y_1 + y_1y_2y_3) + 2b^r_{2,0,-2,0,0,0,-2,0,0,0}(x_1x_2x_4 - x_1y_2y_4 + x_2y_1y_4 +$$
$$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 - x_2x_4y_1 + y_1y_2y_4) - 2b^r_{2,0,-2,0,0,0,0,0,2,0}(x_1x_2x_5 + x_1y_2y_5 - x_2y_1y_5 +$$
$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 + x_2x_5y_1 + y_1y_2y_5) + 2b^r_{2,0,0,0,-2,0,0,0,-2,0}(x_1x_3x_5 - x_1y_3y_5 + x_3y_1y_5 +$$
$$x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 - x_3x_5y_1 + y_1y_3y_5) - 2b^r_{2,0,0,0,-2,0,2,0,0,0}(x_1x_3x_4 + x_1y_3y_4 - x_3y_1y_4 +$$
$$x_4y_1y_3)(x_1x_3y_4 - x_1x_4y_3 + x_3x_4y_1 + y_1y_3y_4) + 2b^r_{2,0,0,0,0,0,-2,0,-2,0}(x_1x_4x_5 - x_1y_4y_5 + x_4y_1y_5 +$$
$$x_5y_1y_4)(x_1x_4y_5 + x_1x_5y_4 - x_4x_5y_1 + y_1y_4y_5) - 2b^r_{2,0,0,0,0,0,0,0,0,2}x_1y_1(x_5^2 + y_5^2)^2 -$$
$$2b^r_{2,0,0,0,0,0,0,0,1,0,1}x_1y_1(x_4^2 + y_4^2)(x_5^2 + y_5^2) - 2b^r_{2,0,0,0,0,0,0,0,2,0,0}x_1y_1(x_4^2 + y_4^2)^2 -$$
$$2b^r_{2,0,0,0,0,0,0,2,0,2,0}(x_1x_4x_5 - x_1y_4y_5 - x_4y_1y_5 - x_5y_1y_4)(x_1x_4y_5 + x_1x_5y_4 + x_4x_5y_1 - y_1y_4y_5) -$$
$$2b^r_{2,0,0,0,0,0,1,0,0,0,1}x_1y_1(x_3^2 + y_3^2)(x_5^2 + y_5^2) - 2b^r_{2,0,0,0,0,0,1,0,1,0,0}x_1y_1(x_3^2 + y_3^2)(x_4^2 + y_4^2) -$$
$$2b^r_{2,0,0,0,0,0,2,0,0,0,0}x_1y_1(x_3^2 + y_3^2)^2 + 2b^r_{2,0,0,0,0,2,0,-2,0,0,0}(x_1x_3x_4 + x_1y_3y_4 + x_3y_1y_4 -$$
$$x_4y_1y_3)(x_1x_3y_4 - x_1x_4y_3 - x_3x_4y_1 - y_1y_3y_4) - 2b^r_{2,0,0,0,0,2,0,0,0,2,0}(x_1x_3x_5 - x_1y_3y_5 - x_3y_1y_5 -$$
$$x_5y_1y_3)(x_1x_3y_5 + x_1x_5y_3 + x_3x_5y_1 - y_1y_3y_5) - 2b^r_{2,0,0,1,0,0,0,0,0,0,1}x_1y_1(x_2^2 + y_2^2)(x_5^2 + y_5^2) -$$
$$2b^r_{2,0,0,1,0,0,0,0,1,0,0}x_1y_1(x_2^2 + y_2^2)(x_4^2 + y_4^2) - 2b^r_{2,0,0,1,0,1,0,0,0,0,0}x_1y_1(x_2^2 + y_2^2)(x_3^2 + y_3^2) -$$
$$2b^r_{2,0,0,2,0,0,0,0,0,0,0}x_1y_1(x_2^2 + y_2^2)^2 + b^r_{2,0,1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4y_5 - x_1^2x_2x_3x_5y_4 +$$
$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 + x_1^2x_4y_2y_3y_5 -$$
$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 + 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$
$$2x_1x_3x_4y_1y_2y_5 + 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 +$$
$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 -$$
$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + b^r_{2,0,1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 -$$
$$x_1^2x_2x_4x_5y_3 + x_1^2x_2y_3y_4y_5 - x_1^2x_3x_4x_5y_2 + x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$
$$x_1^2x_5y_2y_3y_4 - 2x_1x_2x_3x_4x_5y_1 + 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$
$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 + 2x_1x_4x_5y_1y_2y_3 - 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$
$$x_2x_3x_5y_1^2y_4 + x_2x_4x_5y_1^2y_3 - x_2y_1^2y_3y_4y_5 + x_3x_4x_5y_1^2y_2 - x_3y_1^2y_2y_4y_5 +$$
$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) - b^r_{2,0,1,0,1,0,1,0,1,0}(x_1^2x_2x_3x_4y_5 + x_1^2x_2x_3x_5y_4 +$$
$$x_1^2x_2x_4x_5y_3 - x_1^2x_2y_3y_4y_5 + x_1^2x_3x_4x_5y_2 - x_1^2x_3y_2y_4y_5 - x_1^2x_4y_2y_3y_5 -$$
$$x_1^2x_5y_2y_3y_4 + 2x_1x_2x_3x_4x_5y_1 - 2x_1x_2x_3y_1y_4y_5 - 2x_1x_2x_4y_1y_3y_5 - 2x_1x_2x_5y_1y_3y_4 -$$
$$2x_1x_3x_4y_1y_2y_5 - 2x_1x_3x_5y_1y_2y_4 - 2x_1x_4x_5y_1y_2y_3 + 2x_1y_1y_2y_3y_4y_5 - x_2x_3x_4y_1^2y_5 -$$
$$x_2x_3x_5y_1^2y_4 - x_2x_4x_5y_1^2y_3 + x_2y_1^2y_3y_4y_5 - x_3x_4x_5y_1^2y_2 + x_3y_1^2y_2y_4y_5 +$$
$$x_4y_1^2y_2y_3y_5 + x_5y_1^2y_2y_3y_4) + 2b^r_{2,0,2,0,0,0,0,0,-2,0}(x_1x_2x_5 + x_1y_2y_5 + x_2y_1y_5 -$$
$$x_5y_1y_2)(x_1x_2y_5 - x_1x_5y_2 - x_2x_5y_1 - y_1y_2y_5) - 2b^r_{2,0,2,0,0,0,2,0,0,0}(x_1x_2x_4 - x_1y_2y_4 - x_2y_1y_4 -$$
$$x_4y_1y_2)(x_1x_2y_4 + x_1x_4y_2 + x_2x_4y_1 - y_1y_2y_4) - 2b^r_{2,0,2,0,2,0,0,0,0,0}(x_1x_2x_3 - x_1y_2y_3 - x_2y_1y_3 -$$
$$x_3y_1y_2)(x_1x_2y_3 + x_1x_3y_2 + x_2x_3y_1 - y_1y_2y_3) - 2b^r_{2,1,0,0,0,0,0,0,0,0,1}x_1y_1(x_1^2 + y_1^2)(x_5^2 + y_5^2) -$$
$$2b^r_{2,1,0,0,0,0,0,0,1,0,0}x_1y_1(x_1^2 + y_1^2)(x_4^2 + y_4^2) - 2b^r_{2,1,0,0,0,1,0,0,0,0,0}x_1y_1(x_1^2 + y_1^2)(x_3^2 + y_3^2) -$$
$$2b^r_{2,1,0,1,0,0,0,0,0,0,0}x_1y_1(x_1^2 + y_1^2)(x_2^2 + y_2^2) - 2b^r_{2,2,0,0,0,0,0,0,0,0,0}x_1y_1(x_1^2 + y_1^2)^2 +$$

$$b^r_{3,0,-1,0,0,0,0,0,0,1}(x_5^2+y_5^2)(x_1^3y_2-3x_1^2x_2y_1-3x_1y_1^2y_2+x_2y_1^3)+b^r_{3,0,-1,0,0,0,0,1,0,0}(x_4^2+$$
$$y_4^2)(x_1^3y_2-3x_1^2x_2y_1-3x_1y_1^2y_2+x_2y_1^3)+b^r_{3,0,-1,0,0,1,0,0,0,0}(x_3^2+y_3^2)(x_1^3y_2-$$
$$3x_1^2x_2y_1-3x_1y_1^2y_2+x_2y_1^3)+b^r_{3,0,-1,1,0,0,0,0,0,0}(x_2^2+y_2^2)(x_1^3y_2-3x_1^2x_2y_1-3x_1y_1^2y_2+$$
$$x_2y_1^3)+b^r_{3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4y_5-x_1^3x_3x_5y_4+x_1^3x_4x_5y_3+x_1^3y_3y_4y_5-$$
$$3x_1^2x_3x_4x_5y_1-3x_1^2x_3y_1y_4y_5+3x_1^2x_4y_1y_3y_5-3x_1^2x_5y_1y_3y_4-3x_1x_3x_4y_1^2y_5+$$
$$3x_1x_3x_5y_1^2y_4-3x_1x_4x_5y_1^2y_3-3x_1y_1^2y_3y_4y_5+x_3x_4x_5y_1^3+x_3y_1^3y_4y_5-$$
$$x_4y_1^3y_3y_5+x_5y_1^3y_3y_4)+b^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4y_5+x_1^3x_3x_5y_4-x_1^3x_4x_5y_3+$$
$$x_1^3y_3y_4y_5-3x_1^2x_3x_4x_5y_1+3x_1^2x_3y_1y_4y_5-3x_1^2x_4y_1y_3y_5-3x_1^2x_5y_1y_3y_4-$$
$$3x_1x_3x_4y_1^2y_5-3x_1x_3x_5y_1^2y_4+3x_1x_4x_5y_1^2y_3-3x_1y_1^2y_3y_4y_5+x_3x_4x_5y_1^3-$$
$$x_3y_1^3y_4y_5+x_4y_1^3y_3y_5+x_5y_1^3y_3y_4)-b^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4y_5+x_1^3x_3x_5y_4+$$
$$x_1^3x_4x_5y_3-x_1^3y_3y_4y_5+3x_1^2x_3x_4x_5y_1-3x_1^2x_3y_1y_4y_5-3x_1^2x_4y_1y_3y_5-$$
$$3x_1^2x_5y_1y_3y_4-3x_1x_3x_4y_1^2y_5-3x_1x_3x_5y_1^2y_4-3x_1x_4x_5y_1^2y_3+3x_1y_1^2y_3y_4y_5-$$
$$x_3x_4x_5y_1^3+x_3y_1^3y_4y_5+x_4y_1^3y_3y_5+x_5y_1^3y_3y_4)+b^r_{3,0,1,0,0,0,0,0,0,-2,0}(2x_1^3x_2x_5y_5-$$
$$x_1^3x_5^2y_2+x_1^3y_2y_5^2-3x_1^2x_2x_5^2y_1+3x_1^2x_2y_1y_5^2-6x_1^2x_5y_1y_2y_5-$$
$$6x_1x_2x_5y_1^2y_5+3x_1x_5^2y_1^2y_2-3x_1y_1^2y_2y_5^2+x_2x_5^2y_1^3-x_2y_1^3y_5^2+2x_5y_1^3y_2y_5)-$$
$$b^r_{3,0,1,0,0,0,0,2,0,0,0}(2x_1^3x_2x_4y_4+x_1^3x_4^2y_2-x_1^3y_2y_4^2+3x_1^2x_2x_4^2y_1-3x_1^2x_2y_1y_4^2-$$
$$6x_1^2x_4y_1y_2y_4-6x_1x_2x_4y_1^2y_4-3x_1x_4^2y_1^2y_2+3x_1y_1^2y_2y_4^2-x_2x_4^2y_1^3+$$
$$x_2y_1^3y_4^2+2x_4y_1^3y_2y_4)-b^r_{3,0,1,0,2,0,0,0,0,0}(2x_1^3x_2x_3y_3+x_1^3x_3^2y_2-x_1^3y_2y_3^2+$$
$$3x_1^2x_2x_3^2y_1-3x_1^2x_2y_1y_3^2-6x_1^2x_3y_1y_2y_3-6x_1x_2x_3y_1^2y_3-3x_1x_3^2y_1^2y_2+$$
$$3x_1y_1^2y_2y_3^2-x_2x_3^2y_1^3+x_2y_1^3y_3^2+2x_3y_1^3y_2y_3)+b^r_{3,1,-1,0,0,0,0,0,0,0}(x_1^2+y_1^2)(x_1^3y_2-$$
$$3x_1^2x_2y_1-3x_1y_1^2y_2+x_2y_1^3)+2b^r_{4,0,-2,0,0,0,0,0,0,0}(x_1^2x_2+2x_1y_1y_2-x_2y_1^2)(x_1^2y_2-$$
$$2x_1x_2y_1-y_1^2y_2)+2b^r_{4,0,0,0,0,0,0,0,0,-2,0}(x_1^2x_5+2x_1y_1y_5-x_5y_1^2)(x_1^2y_5-2x_1x_5y_1-y_1^2y_5)-$$
$$2b^r_{4,0,0,0,0,0,0,2,0,0,0}(x_1^2x_4-2x_1y_1y_4-x_4y_1^2)(x_1^2y_4+2x_1x_4y_1-y_1^2y_4)-2b^r_{4,0,0,0,2,0,0,0,0,0}(x_1^2x_3-$$
$$2x_1y_1y_3-x_3y_1^2)(x_1^2y_3+2x_1x_3y_1-y_1^2y_3)$$

$$H^{(6)}_{YY}=a^r_{0,0,0,0,0,0,0,0,0,0,3}(x_5^2+y_5^2)^3+a^r_{0,0,0,0,0,0,0,0,0,6,0}(x_5-y_5)(x_5+y_5)(x_5^2-4x_5y_5+y_5^2)(x_5^2+4x_5y_5+$$
$$y_5^2)+a^r_{0,0,0,0,0,0,0,1,0,2}(x_4^2+y_4^2)(x_5^2+y_5^2)^2+a^r_{0,0,0,0,0,0,0,2,0,1}(x_4^2+y_4^2)^2(x_5^2+y_5^2)+$$
$$a^r_{0,0,0,0,0,0,0,3,0,0}(x_4^2+y_4^2)^3+a^r_{0,0,0,0,0,0,2,0,-4,0}(x_4(x_5^2-2x_5y_5-y_5^2)+y_4(x_5^2+2x_5y_5-$$
$$y_5^2))(x_4(x_5^2+2x_5y_5-y_5^2)+y_4(-x_5^2+2x_5y_5+y_5^2))+a^r_{0,0,0,0,0,0,2,0,2,1}(x_5^2+y_5^2)(x_4(x_5-y_5)+y_4(-$$
$$x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5))+a^r_{0,0,0,0,0,0,2,1,2,0}(x_4^2+y_4^2)(x_4(x_5-y_5)+y_4(-x_5-y_5))(x_4(x_5+y_5)+$$
$$y_4(x_5-y_5))+a^r_{0,0,0,0,0,0,4,0,-2,0}(x_4(-2x_5y_4+2y_4y_5)+x_5(x_4^2-y_4^2)+y_5(x_4^2-y_4^2))(x_4(2x_5y_4+$$
$$2y_4y_5)+x_5(x_4^2-y_4^2)+y_5(-x_4^2+y_4^2))+a^r_{0,0,0,0,0,6,0,0,0,0}(x_4-y_4)(x_4+y_4)(x_4^2-4x_4y_4+y_4^2)(x_4^2+$$
$$4x_4y_4+y_4^2)+a^r_{0,0,0,0,1,0,0,0,2}(x_3^2+y_3^2)(x_5^2+y_5^2)^2+a^r_{0,0,0,0,1,0,1,0,1}(x_3^2+y_3^2)(x_4^2+$$
$$y_4^2)(x_5^2+y_5^2)+a^r_{0,0,0,0,1,0,2,0,0}(x_3^2+y_3^2)(x_4^2+y_4^2)^2+a^r_{0,0,0,0,1,2,0,2,0}(x_3^2+y_3^2)(x_4(x_5-y_5)+$$
$$y_4(-x_5-y_5))(x_4(x_5+y_5)+y_4(x_5-y_5))+a^r_{0,0,0,0,2,0,0,0,1}(x_3^2+y_3^2)^2(x_5^2+y_5^2)+$$
$$a^r_{0,0,0,0,2,0,1,0,0}(x_3^2+y_3^2)^2(x_4^2+y_4^2)+a^r_{0,0,0,0,3,0,0,0,0}(x_3^2+y_3^2)^3+a^r_{0,0,0,2,0,-2,0,0,1}(x_5^2+$$
$$y_5^2)(x_3(x_4-y_4)+y_3(x_4+y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4))+a^r_{0,0,0,2,0,-2,1,0,0}(x_4^2+y_4^2)(x_3(x_4-y_4)+$$
$$y_3(x_4+y_4))(x_3(x_4+y_4)+y_3(-x_4+y_4))+a^r_{0,0,0,2,0,0,0,-4,0}(x_3(x_5^2-2x_5y_5-y_5^2)+y_3(x_5^2+2x_5y_5-$$
$$y_5^2))(x_3(x_5^2+2x_5y_5-y_5^2)+y_3(-x_5^2+2x_5y_5+y_5^2))+a^r_{0,0,0,2,0,0,0,2,1}(x_5^2+y_5^2)(x_3(x_5-y_5)+y_3(-$$
$$x_5-y_5))(x_3(x_5+y_5)+y_3(x_5-y_5))+a^r_{0,0,0,2,0,0,1,2,0}(x_4^2+y_4^2)(x_3(x_5-y_5)+y_3(-x_5-y_5))(x_3(x_5+y_5)+$$
$$y_3(x_5-y_5))+a^r_{0,0,0,2,0,2,0,-2,0}(x_3(x_4x_5-x_4y_5+x_5y_4+y_4y_5)+y_3(x_4x_5+x_4y_5-x_5y_4+$$
$$y_4y_5))(x_3(x_4x_5+x_4y_5-x_5y_4+y_4y_5)+y_3(-x_4x_5+x_4y_5-x_5y_4-y_4y_5))+a^r_{0,0,0,2,0,4,0,0,0}(x_3(x_4^2-$$

$2x_4y_4 - y_4^2) + y_3(-x_4^2 - 2x_4y_4 + y_4^2))(x_3(x_4^2 + 2x_4y_4 - y_4^2) + y_3(x_4^2 - 2x_4y_4 - y_4^2)) +$

$a^r_{0,0,0,0,2,1,-2,0,0,0}(x_3^2 + y_3^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,0,2,1,0,0,2,0}(x_3^2 + y_3^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,0,0,0,4,0,0,0,-2,0}(x_3(-2x_5y_3 + 2y_3y_5) + x_5(x_3^2 - y_3^2) + y_5(x_3^2 - y_3^2))(x_3(2x_5y_3 + 2y_3y_5) + x_5(x_3^2 - y_3^2) + y_5(-x_3^2 + y_3^2)) +$

$a^r_{0,0,0,0,4,0,2,0,0,0}(x_3(-2x_4y_3 - 2y_3y_4) + x_4(x_3^2 - y_3^2) + y_4(-x_3^2 + y_3^2))(x_3(2x_4y_3 - 2y_3y_4) + x_4(x_3^2 - y_3^2) + y_4(x_3^2 - y_3^2)) + a^r_{0,0,0,0,6,0,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 - 4x_3y_3 + y_3^2)(x_3^2 + 4x_3y_3 + y_3^2) +$

$a^r_{0,0,0,1,0,0,0,0,0,2}(x_2^2 + y_2^2)(x_5^2 + y_5^2)^2 + a^r_{0,0,0,1,0,0,0,1,0,1}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) +$

$a^r_{0,0,0,1,0,0,0,2,0,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)^2 + a^r_{0,0,0,1,0,0,2,0,2,0}(x_2^2 + y_2^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) + a^r_{0,0,0,1,0,1,0,0,0,1}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) +$

$a^r_{0,0,0,1,0,1,0,1,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) + a^r_{0,0,0,1,0,2,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)^2 +$

$a^r_{0,0,0,1,2,0,-2,0,0,0}(x_2^2 + y_2^2)(x_3(x_4 - y_4) + y_3(x_4 + y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,0,0,1,2,0,0,0,2,0}(x_2^2 + y_2^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) + y_3(x_5 - y_5)) + a^r_{0,0,0,2,0,0,0,0,0,1}(x_2^2 + y_2^2)^2(x_5^2 + y_5^2) +$

$a^r_{0,0,0,2,0,0,0,1,0,0}(x_2^2 + y_2^2)^2(x_4^2 + y_4^2) + a^r_{0,0,0,2,0,1,0,0,0,0}(x_2^2 + y_2^2)^2(x_3^2 + y_3^2) +$

$a^r_{0,0,0,3,0,0,0,0,0,0}(x_2^2 + y_2^2)^3 + a^r_{0,0,1,0,-1,0,-1,0,-3,0}(x_2(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 - 3x_3x_5^2y_4y_5 + x_3y_4y_5^3 - 3x_4x_5^2y_3y_5 + x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_2(3x_3x_4x_5^2y_5 - x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 - 3x_5^2y_3y_4y_5 + y_3y_4y_5^3)) +$

$a^r_{0,0,1,0,-1,0,-1,0,3,0}(x_2(x_3x_4x_5^3 - 3x_3x_4x_5y_5^2 + 3x_3x_5^2y_4y_5 - x_3y_4y_5^3 + 3x_4x_5^2y_3y_5 - x_4y_3y_5^3 - x_5^3y_3y_4 + 3x_5y_3y_4y_5^2) + y_2(-3x_3x_4x_5^2y_5 + x_3x_4y_5^3 + x_3x_5^3y_4 - 3x_3x_5y_4y_5^2 + x_4x_5^3y_3 - 3x_4x_5y_3y_5^2 + 3x_5^2y_3y_4y_5 - y_3y_4y_5^3)) +$

$a^r_{0,0,1,0,-1,0,-3,0,1,0}(x_2(x_3x_4^3x_5 + 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 - x_3y_4^3y_5 + x_4^3y_3y_5 - 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 + x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 + 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 - x_3x_5y_4^3 + x_4^3x_5y_3 + 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 - y_3y_4^3y_5)) + a^r_{0,0,1,0,-1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$

$a^r_{0,0,1,0,-1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,-1,0,3,0,1,0}(x_2(x_3x_4^3x_5 - 3x_3x_4^2y_4y_5 - 3x_3x_4x_5y_4^2 + x_3y_4^3y_5 + x_4^3y_3y_5 + 3x_4^2x_5y_3y_4 - 3x_4y_3y_4^2y_5 - x_5y_3y_4^3) + y_2(-x_3x_4^3y_5 - 3x_3x_4^2x_5y_4 + 3x_3x_4y_4^2y_5 + x_3x_5y_4^3 + x_4^3x_5y_3 - 3x_4^2y_3y_4y_5 - 3x_4x_5y_3y_4^2 + y_3y_4^3y_5)) +$

$a^r_{0,0,1,0,-1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,-3,0,-1,0,1,0}(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 + 3x_3^2x_4y_3y_5 - 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 - x_4y_3^3y_5 + x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 + x_3^3x_5y_4 + 3x_3^2x_4x_5y_3 + 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 - x_4x_5y_3^3 - y_3^3y_4y_5)) +$

$a^r_{0,0,1,0,1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,0,-1,1,-1,0}(x_4^2 + y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,0,1,1}(x_5^2 + y_5^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$

$a^r_{0,0,1,0,1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,0,3,0,-1,0,1,0}(x_2(x_3^3x_4x_5 + x_3^3y_4y_5 - 3x_3^2x_4y_3y_5 + 3x_3^2x_5y_3y_4 - 3x_3x_4x_5y_3^2 - 3x_3y_3^2y_4y_5 + x_4y_3^3y_5 - x_5y_3^3y_4) + y_2(-x_3^3x_4y_5 + x_3^3x_5y_4 - 3x_3^2x_4x_5y_3 - 3x_3^2y_3y_4y_5 + 3x_3x_4y_3^2y_5 - 3x_3x_5y_3^2y_4 + x_4x_5y_3^3 + y_3^3y_4y_5)) + a^r_{0,0,1,1,-1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) +$

$$y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,1,1,0,-1,0,-1,0}(x_2^2 + y_2^2)(x_2(x_3x_4x_5 - x_3y_4y_5 +$$

$$x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,0,1,1,1,0,1,0,1,0}(x_2^2 +$$

$$y_2^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$

$$a^r_{0,0,2,0,-2,0,-2,0,0,0}(x_2(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4) + y_2(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_2(x_3x_4 + x_3y_4 +$$

$$x_4y_3 - y_3y_4) + y_2(-x_3x_4 + x_3y_4 + x_4y_3 + y_3y_4)) + a^r_{0,0,2,0,-2,0,0,0,2,0}(x_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) +$$

$$y_2(-x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_2(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + y_2(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)) +$$

$$a^r_{0,0,2,0,-4,0,0,0,0,0}(x_2(x_3^2 - 2x_3y_3 - y_3^2) + y_2(x_3^2 + 2x_3y_3 - y_3^2))(x_2(x_3^2 + 2x_3y_3 - y_3^2) + y_2(-x_3^2 +$$

$$2x_3y_3 + y_3^2)) + a^r_{0,0,2,0,0,0,0,-2,0,2,0}(x_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_2(-x_4x_5 - x_4y_5 + x_5y_4 -$$

$$y_4y_5))(x_2(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_2(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)) + a^r_{0,0,2,0,0,0,-4,0,0,0}(x_2(x_4^2 -$$

$$2x_4y_4 - y_4^2) + y_2(x_4^2 + 2x_4y_4 - y_4^2))(x_2(x_4^2 + 2x_4y_4 - y_4^2) + y_2(-x_4^2 + 2x_4y_4 + y_4^2)) +$$

$$a^r_{0,0,2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) +$$

$$a^r_{0,0,2,0,0,0,0,0,4,0}(x_2(x_5^2 - 2x_5y_5 - y_5^2) + y_2(-x_5^2 - 2x_5y_5 + y_5^2))(x_2(x_5^2 + 2x_5y_5 - y_5^2) + y_2(x_5^2 -$$

$$2x_5y_5 - y_5^2)) + a^r_{0,0,2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) +$$

$$a^r_{0,0,2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,0,0,2,1,0,0}(x_4^2 +$$

$$y_4^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2(x_5 - y_5) +$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,0,2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 +$$

$$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) +$$

$$a^r_{0,0,2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,0,2,0,2,1,0,0,0,0}(x_3^2 +$$

$$y_3^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a^r_{0,0,2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2(x_5 - y_5) +$$

$$y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a^r_{0,0,2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 +$$

$$y_4) + y_2(x_4 - y_4)) + a^r_{0,0,2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2(x_3 - y_3) + y_2(-x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) +$$

$$a^r_{0,0,3,0,-1,0,-1,0,1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) +$$

$$x_3(x_2^3x_4x_5 + x_2^3y_4y_5 + x_4y_2^3y_5 - x_5y_2^3y_4) + y_2(-3x_2^2x_3x_4y_5 + 3x_2^2x_3x_5y_4 +$$

$$3x_2^2x_4x_5y_3 + 3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 - x_4x_5y_2^2 - y_2^3y_4y_5)) +$$

$$a^r_{0,0,3,0,1,0,1,0,-1,0}(x_2(-3x_3x_4x_5y_2^2 - 3x_3y_2^2y_4y_5 - 3x_4y_2^2y_3y_5 + 3x_5y_2^2y_3y_4) +$$

$$x_3(x_2^3x_4x_5 + x_2^3y_4y_5 - x_4y_2^3y_5 + x_5y_2^3y_4) + y_2(3x_2^2x_3x_4y_5 - 3x_2^2x_3x_5y_4 -$$

$$3x_2^2x_4x_5y_3 - 3x_2^2y_3y_4y_5) + y_3(x_2^3x_4y_5 - x_2^3x_5y_4 + x_4x_5y_2^3 + y_2^3y_4y_5)) +$$

$$a^r_{0,0,4,0,-2,0,0,0,0,0}(x_2(-2x_3y_2 + 2y_2y_3) + x_3(x_2^2 - y_2^2) + y_3(x_2^2 - y_2^2))(x_2(2x_3y_2 + 2y_2y_3) + x_3(x_2^2 -$$

$$y_2^2) + y_3(-x_2^2 + y_2^2)) + a^r_{0,0,4,0,0,0,-2,0,0,0}(x_2(-2x_4y_2 + 2y_2y_4) + x_4(x_2^2 - y_2^2) + y_4(x_2^2 -$$

$$y_2^2))(x_2(2x_4y_2 + 2y_2y_4) + x_4(x_2^2 - y_2^2) + y_4(-x_2^2 + y_2^2)) + a^r_{0,0,4,0,0,0,0,0,2,0}(x_2(-2x_5y_2 - 2y_2y_5) +$$

$$x_5(x_2^2 - y_2^2) + y_5(-x_2^2 + y_2^2))(x_2(2x_5y_2 - 2y_2y_5) + x_5(x_2^2 - y_2^2) + y_5(x_2^2 - y_2^2)) +$$

$$a^r_{0,0,6,0,0,0,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 - 4x_2y_2 + y_2^2)(x_2^2 + 4x_2y_2 + y_2^2) + a^r_{0,1,0,0,0,0,0,0,0,2}(x_1^2 +$$

$$y_1^2)(x_5^2 + y_5^2)^2 + a^r_{0,1,0,0,0,0,0,1,0,1}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,0,0,2,0,0}(x_1^2 +$$

$$y_1^2)(x_4^2 + y_4^2)^2 + a^r_{0,1,0,0,0,0,2,0,2,0}(x_1^2 + y_1^2)(x_4(x_5 - y_5) + y_4(-x_5 - y_5))(x_4(x_5 + y_5) + y_4(x_5 - y_5)) +$$

$$a^r_{0,1,0,0,0,1,0,0,0,1}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) + a^r_{0,1,0,0,0,1,0,1,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_4^2 +$$

$$y_4^2) + a^r_{0,1,0,0,0,2,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)^2 + a^r_{0,1,0,0,2,0,-2,0,0,0}(x_1^2 + y_1^2)(x_3(x_4 - y_4) + y_3(x_4 +$$

$$y_4))(x_3(x_4 + y_4) + y_3(-x_4 + y_4)) + a^r_{0,1,0,0,2,0,0,0,2,0}(x_1^2 + y_1^2)(x_3(x_5 - y_5) + y_3(-x_5 - y_5))(x_3(x_5 + y_5) +$$

$$y_3(x_5 - y_5)) + a^r_{0,1,0,1,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_5^2 + y_5^2) + a^r_{0,1,0,1,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_2^2 +$$

$$y_2^2)(x_4^2 + y_4^2) + a^r_{0,1,0,1,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) + a^r_{0,1,0,2,0,0,0,0,0,0}(x_1^2 +$$

$$y_1^2)(x_2^2 + y_2^2)^2 + a^r_{0,1,1,0,-1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) +$$

$$y_2(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,-1,0,-1,0}(x_1^2 + y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 +$$

$$x_4y_3y_5 + x_5y_3y_4) + y_2(x_3x_4y_5 + x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a^r_{0,1,1,0,1,0,1,0,1,0}(x_1^2 +$$

$$y_1^2)(x_2(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_2(-x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) +$$

$$a_{0,1,2,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_2(x_5 - y_5) + y_2(x_5 + y_5))(x_2(x_5 + y_5) + y_2(-x_5 + y_5)) + a_{0,1,2,0,0,0,2,0,0,0}^r(x_1^2 +$$

$$y_1^2)(x_2(x_4 - y_4) + y_2(-x_4 - y_4))(x_2(x_4 + y_4) + y_2(x_4 - y_4)) + a_{0,1,2,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2(x_3 - y_3) + y_2(-$$

$$x_3 - y_3))(x_2(x_3 + y_3) + y_2(x_3 - y_3)) + a_{0,2,0,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)^2(x_5^2 + y_5^2) + a_{0,2,0,0,0,0,0,1,0,0}^r(x_1^2 +$$

$$y_1^2)^2(x_4^2 + y_4^2) + a_{0,2,0,0,0,1,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_3^2 + y_3^2) + a_{0,2,0,1,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_2^2 +$$

$$y_2^2) + a_{0,3,0,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^3 + a_{1,0,-1,0,-2,0,0,0,-2,0}^r(x_1(x_2x_3^2x_5^2 - x_2x_3^2y_5^2 -$$

$$4x_2x_3x_5y_3y_5 - x_2x_5^2y_3^2 + x_2y_3^2y_5^2 - 2x_3^2x_5y_2y_5 - 2x_3x_5^2y_2y_3 + 2x_3y_2y_3y_5^2 +$$

$$2x_5y_2y_3^2y_5) + y_1(2x_2x_3^2x_5y_5 + 2x_2x_3x_5^2y_3 - 2x_2x_3y_3y_5^2 - 2x_2x_5y_3^2y_5 + x_3^2x_5^2y_2 -$$

$$x_3^2y_2y_5^2 - 4x_3x_5y_2y_3y_5 - x_5^2y_2y_3^2 + y_2y_3^2y_5^2)) + a_{1,0,-1,0,-2,0,2,0,0,0}^r(x_1(x_2x_3^2x_4^2 -$$

$$x_2x_3^2y_4^2 + 4x_2x_3x_4y_3y_4 - x_2x_4^2y_3^2 + x_2y_3^2y_4^2 + 2x_3^2x_4y_2y_4 - 2x_3x_4^2y_2y_3 +$$

$$2x_3y_2y_3y_4^2 - 2x_4y_2y_3^2y_4) + y_1(-2x_2x_3^2x_4y_4 + 2x_2x_3x_4^2y_3 - 2x_2x_3y_3y_4^2 +$$

$$2x_2x_4y_3^2y_4 + x_3^2x_4^2y_2 - x_3^2y_2y_4^2 + 4x_3x_4y_2y_3y_4 - x_4^2y_2y_3^2 + y_2y_3^2y_4^2)) +$$

$$a_{1,0,-1,0,0,0,-2,0,-2,0}^r(x_1(x_2x_4^2x_5^2 - x_2x_4^2y_5^2 - 4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 -$$

$$2x_4^2x_5y_2y_5 - 2x_4x_5^2y_2y_4 + 2x_4y_2y_4y_5^2 + 2x_5y_2y_4^2y_5) + y_1(2x_2x_4^2x_5y_5 +$$

$$2x_2x_4x_5^2y_4 - 2x_2x_4y_4y_5^2 - 2x_2x_5y_4^2y_5 + x_4^2x_5^2y_2 - x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 -$$

$$x_5^2y_2y_4^2 + y_2y_4^2y_5^2)) + a_{1,0,-1,0,0,0,0,0,0,2}^r(x_5^2 + y_5^2)^2(x_1x_2 + y_1y_2) + a_{1,0,-1,0,0,0,0,1,0,1}^r(x_4^2 +$$

$$y_4^2)(x_5^2 + y_5^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,0,0,0,0,2,0,0}^r(x_4^2 + y_4^2)^2(x_1x_2 + y_1y_2) +$$

$$a_{1,0,-1,0,0,0,2,0,2,0}^r(x_1(x_2x_4^2x_5^2 - x_2x_4^2y_5^2 - 4x_2x_4x_5y_4y_5 - x_2x_5^2y_4^2 + x_2y_4^2y_5^2 +$$

$$2x_4^2x_5y_2y_5 + 2x_4x_5^2y_2y_4 - 2x_4y_2y_4y_5^2 - 2x_5y_2y_4^2y_5) + y_1(-2x_2x_4^2x_5y_5 -$$

$$2x_2x_4x_5^2y_4 + 2x_2x_4y_4y_5^2 + 2x_2x_5y_4^2y_5 + x_4^2x_5^2y_2 - x_4^2y_2y_5^2 - 4x_4x_5y_2y_4y_5 -$$

$$x_5^2y_2y_4^2 + y_2y_4^2y_5^2)) + a_{1,0,-1,0,0,1,0,0,0,1}^r(x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1x_2 + y_1y_2) +$$

$$a_{1,0,-1,0,0,1,0,1,0,0}^r(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,0,0,2,0,0,0,0}^r(x_3^2 + y_3^2)^2(x_1x_2 + y_1y_2) +$$

$$a_{1,0,-1,0,2,0,-2,0,0,0}^r(x_1(x_2x_3^2x_4^2 - x_2x_3^2y_4^2 + 4x_2x_3x_4y_3y_4 - x_2x_4^2y_3^2 + x_2y_3^2y_4^2 -$$

$$2x_3^2x_4y_2y_4 + 2x_3x_4^2y_2y_3 - 2x_3y_2y_3y_4^2 + 2x_4y_2y_3^2y_4) + y_1(2x_2x_3^2x_4y_4 -$$

$$2x_2x_3x_4^2y_3 + 2x_2x_3y_3y_4^2 - 2x_2x_4y_3^2y_4 + x_3^2x_4^2y_2 - x_3^2y_2y_4^2 + 4x_3x_4y_2y_3y_4 -$$

$$x_4^2y_2y_3^2 + y_2y_3^2y_4^2)) + a_{1,0,-1,0,2,0,0,0,0,2,0}^r(x_1(x_2x_3^2x_5^2 - x_2x_3^2y_5^2 - 4x_2x_3x_5y_3y_5 -$$

$$x_2x_5^2y_3^2 + x_2y_3^2y_5^2 + 2x_3^2x_5y_2y_5 + 2x_3x_5^2y_2y_3 - 2x_3y_2y_3y_5^2 - 2x_5y_2y_3^2y_5) + y_1(-$$

$$2x_2x_3^2x_5y_5 - 2x_2x_3x_5^2y_3 + 2x_2x_3y_3y_5^2 + 2x_2x_5y_3^2y_5 + x_3^2x_5^2y_2 - x_3^2y_2y_5^2 -$$

$$4x_3x_5y_2y_3y_5 - x_5^2y_2y_3^2 + y_2y_3^2y_5^2)) + a_{1,0,-1,1,0,0,0,0,0,1}^r(x_2^2 + y_2^2)(x_5^2 + y_5^2)(x_1x_2 +$$

$$y_1y_2) + a_{1,0,-1,1,0,0,0,1,0,0}^r(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,1,0,1,0,0,0,0}^r(x_2^2 + y_2^2)(x_3^2 +$$

$$y_3^2)(x_1x_2 + y_1y_2) + a_{1,0,-1,2,0,0,0,0,0,0}^r(x_2^2 + y_2^2)^2(x_1x_2 + y_1y_2) +$$

$$a_{1,0,-2,0,-1,0,-1,0,-1,0}^r(x_1(x_2^2x_3x_4x_5 - x_2^2x_3y_4y_5 - x_2^2x_4y_3y_5 - x_2^2x_5y_3y_4 - 2x_2x_3x_4y_2y_5 -$$

$$2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 + x_3y_2^2y_4y_5 + x_4y_2^2y_3y_5 +$$

$$x_5y_2^2y_3y_4) + y_1(x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5 + 2x_2x_3x_4x_5y_2 -$$

$$2x_2x_3y_2y_4y_5 - 2x_2x_4y_2y_3y_5 - 2x_2x_5y_2y_3y_4 - x_3x_4y_2^2y_5 - x_3x_5y_2^2y_4 - x_4x_5y_2^2y_3 +$$

$$y_2^2y_3y_4y_5)) + a_{1,0,-2,0,-1,0,1,0,1,0}^r(x_1(x_2^2x_3x_4x_5 - x_2^2x_3y_4y_5 + x_2^2x_4y_3y_5 + x_2^2x_5y_3y_4 +$$

$$2x_2x_3x_4y_2y_5 + 2x_2x_3x_5y_2y_4 - 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 + x_3y_2^2y_4y_5 -$$

$$x_4y_2^2y_3y_5 - x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 - x_2^2x_3x_5y_4 + x_2^2x_4x_5y_3 - x_2^2y_3y_4y_5 +$$

$$2x_2x_3x_4x_5y_2 - 2x_2x_3y_2y_4y_5 + 2x_2x_4y_2y_3y_5 + 2x_2x_5y_2y_3y_4 + x_3x_4y_2^2y_5 + x_3x_5y_2^2y_4 -$$

$$x_4x_5y_2^2y_3 + y_2^2y_3y_4y_5)) + a_{1,0,-2,0,1,0,-1,0,1,0}^r(x_1(x_2^2x_3x_4x_5 + x_2^2x_3y_4y_5 - x_2^2x_4y_3y_5 +$$

$$x_2^2x_5y_3y_4 + 2x_2x_3x_4y_2y_5 - 2x_2x_3x_5y_2y_4 + 2x_2x_4x_5y_2y_3 + 2x_2y_2y_3y_4y_5 - x_3x_4x_5y_2^2 -$$

$$x_3y_2^2y_4y_5 + x_4y_2^2y_3y_5 - x_5y_2^2y_3y_4) + y_1(-x_2^2x_3x_4y_5 + x_2^2x_3x_5y_4 - x_2^2x_4x_5y_3 -$$

$$x_2^2 y_3 y_4 y_5 + 2x_2 x_3 x_4 x_5 y_2 + 2x_2 x_3 y_2 y_4 y_5 - 2x_2 x_4 y_2 y_3 y_5 + 2x_2 x_5 y_2 y_3 y_4 + x_3 x_4 y_2^2 y_5 -$$

$$x_3 x_5 y_2^2 y_4 + x_4 x_5 y_2^2 y_3 + y_2^2 y_3 y_4 y_5)) + a_{1,0,-3,0,-2,0,0,0,0}^r (x_1 (x_2^3 x_3^2 - x_2^3 y_3^2 -$$

$$6x_2^2 x_3 y_2 y_3 - 3x_2 x_3^2 y_2^2 + 3x_2 y_2^2 y_3^2 + 2x_3 y_2^3 y_3) + y_1 (2x_2^3 x_3 y_3 + 3x_2^2 x_3^2 y_2 -$$

$$3x_2^2 y_2 y_3^2 - 6x_2 x_3 y_2^2 y_3 - x_3^2 y_2^3 + y_2^3 y_3^2)) + a_{1,0,-3,0,0,0,-2,0,0,0}^r (x_1 (x_2^3 x_4^2 - x_2^3 y_4^2 -$$

$$6x_2^2 x_4 y_2 y_4 - 3x_2 x_4^2 y_2^2 + 3x_2 y_2^2 y_4^2 + 2x_4 y_2^3 y_4) + y_1 (2x_2^3 x_4 y_4 + 3x_2^2 x_4^2 y_2 -$$

$$3x_2^2 y_2 y_4^2 - 6x_2 x_4 y_2^2 y_4 - x_4^2 y_2^3 + y_2^3 y_4^2)) + a_{1,0,-3,0,0,0,0,0,2,0}^r (x_1 (x_2^3 x_5^2 - x_2^3 y_5^2 +$$

$$6x_2^2 x_5 y_2 y_5 - 3x_2 x_5^2 y_2^2 + 3x_2 y_2^2 y_5^2 - 2x_5 y_2^3 y_5) + y_1 (-2x_2^3 x_5 y_5 + 3x_2^2 x_5^2 y_2 -$$

$$3x_2^2 y_2 y_5^2 + 6x_2 x_5 y_2^2 y_5 - x_5^2 y_2^3 + y_2^3 y_5^2)) + a_{1,0,0,0,-1,0,-1,0,-3,0}^r (x_1 (x_3 x_4 x_5^3 -$$

$$3x_3 x_4 x_5 y_5^2 - 3x_3 x_5^2 y_4 y_5 + x_3 y_4 y_5^3 - 3x_4 x_5^2 y_3 y_5 + x_4 y_3 y_5^3 - x_5^3 y_3 y_4 +$$

$$3x_5 y_3 y_4 y_5^2) + y_1 (3x_3 x_4 x_5^2 y_5 - x_3 x_4 y_5^3 + x_3 x_5^3 y_4 - 3x_3 x_5 y_4 y_5^2 + x_4 x_5^3 y_3 -$$

$$3x_4 x_5 y_3 y_5^2 - 3x_5^2 y_3 y_4 y_5 + y_3 y_4 y_5^3)) + a_{1,0,0,0,-1,0,-1,0,3,0}^r (x_1 (x_3 x_4 x_5^3 - 3x_3 x_4 x_5 y_5^2 +$$

$$3x_3 x_5^2 y_4 y_5 - x_3 y_4 y_5^3 + 3x_4 x_5^2 y_3 y_5 - x_4 y_3 y_5^3 - x_5^3 y_3 y_4 + 3x_5 y_3 y_4 y_5^2) + y_1 (-$$

$$3x_3 x_4 x_5^2 y_5 + x_3 x_4 y_5^3 + x_3 x_5^3 y_4 - 3x_3 x_5 y_4 y_5^2 + x_4 x_5^3 y_3 - 3x_4 x_5 y_3 y_5^2 +$$

$$3x_5^2 y_3 y_4 y_5 - y_3 y_4 y_5^3)) + a_{1,0,0,0,-1,0,-3,0,1,0}^r (x_1 (x_3 x_4^3 x_5 + 3x_3 x_4^2 y_4 y_5 - 3x_3 x_4 x_5 y_4^2 -$$

$$x_3 y_4^3 y_5 + x_4^3 y_3 y_5 - 3x_4^2 x_5 y_3 y_4 - 3x_4 y_3 y_4^2 y_5 + x_5 y_3 y_4^3) + y_1 (-x_3 x_4^3 y_5 +$$

$$3x_3 x_4^2 x_5 y_4 + 3x_3 x_4 y_4^2 y_5 - x_3 x_5 y_4^3 + x_4^3 x_5 y_3 + 3x_4^2 y_3 y_4 y_5 - 3x_4 x_5 y_3 y_4^2 -$$

$$y_3 y_4^3 y_5)) + a_{1,0,0,0,-1,0,1,0,-1,1}^r (x_5^2 + y_5^2)(x_1 (x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 -$$

$$x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,-1,0,1,1,-1,0}^r (x_4^2 + y_4^2)(x_1 (x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 +$$

$$x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,-1,0,3,0,1,0}^r (x_1 (x_3 x_4^3 x_5 -$$

$$3x_3 x_4^2 y_4 y_5 - 3x_3 x_4 x_5 y_4^2 + x_3 y_4^3 y_5 + x_4^3 y_3 y_5 + 3x_4^2 x_5 y_3 y_4 - 3x_4 y_3 y_4^2 y_5 -$$

$$x_5 y_3 y_4^3) + y_1 (-x_3 x_4^3 y_5 - 3x_3 x_4^2 x_5 y_4 + 3x_3 x_4 y_4^2 y_5 + x_3 x_5 y_4^3 + x_4^3 x_5 y_3 -$$

$$3x_4^2 y_3 y_4 y_5 - 3x_4 x_5 y_3 y_4^2 + y_3 y_4^3 y_5)) + a_{1,0,0,0,-1,1,1,0,-1,0}^r (x_3^2 + y_3^2)(x_1 (x_3 x_4 x_5 + x_3 y_4 y_5 -$$

$$x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,-3,0,-1,0,1,0}^r (x_1 (x_3^3 x_4 x_5 +$$

$$x_3^3 y_4 y_5 + 3x_3^2 x_4 y_3 y_5 - 3x_3^2 x_5 y_3 y_4 - 3x_3 x_4 x_5 y_3^2 - 3x_3 y_3^2 y_4 y_5 - x_4 y_3^3 y_5 +$$

$$x_5 y_3^3 y_4) + y_1 (-x_3^3 x_4 y_5 + x_3^3 x_5 y_4 + 3x_3^2 x_4 x_5 y_3 + 3x_3^2 y_3 y_4 y_5 + 3x_3 x_4 y_3^2 y_5 -$$

$$3x_3 x_5 y_3^2 y_4 - x_4 x_5 y_3^3 - y_3^3 y_4 y_5)) + a_{1,0,0,0,1,0,-1,0,-1,1}^r (x_5^2 + y_5^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 +$$

$$x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,0,-1,1,-1,0}^r (x_4^2 +$$

$$y_4^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a_{1,0,0,0,1,0,1,0,1,1}^r (x_5^2 + y_5^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1 (-x_3 x_4 y_5 - x_3 x_5 y_4 -$$

$$x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,0,1,1,1,0}^r (x_4^2 + y_4^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1 (-$$

$$x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,1,-1,0,-1,0}^r (x_3^2 + y_3^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 +$$

$$x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 + x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,0,1,1,1,0,1,0}^r (x_3^2 +$$

$$y_3^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1 (-x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a_{1,0,0,0,3,0,-1,0,1,0}^r (x_1 (x_3^3 x_4 x_5 + x_3^3 y_4 y_5 - 3x_3^2 x_4 y_3 y_5 + 3x_3^2 x_5 y_3 y_4 - 3x_3 x_4 x_5 y_3^2 -$$

$$3x_3 y_3^2 y_4 y_5 + x_4 y_3^3 y_5 - x_5 y_3^3 y_4) + y_1 (-x_3^3 x_4 y_5 + x_3^3 x_5 y_4 - 3x_3^2 x_4 x_5 y_3 -$$

$$3x_3^2 y_3 y_4 y_5 + 3x_3 x_4 y_3^2 y_5 - 3x_3 x_5 y_3^2 y_4 + x_4 x_5 y_3^3 + y_3^3 y_4 y_5)) + a_{1,0,0,1,-1,0,1,0,-1,0}^r (x_2^2 +$$

$$y_2^2)(x_1 (x_3 x_4 x_5 + x_3 y_4 y_5 - x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 - x_3 x_5 y_4 + x_4 x_5 y_3 + y_3 y_4 y_5)) +$$

$$a_{1,0,0,1,1,0,-1,0,-1,0}^r (x_2^2 + y_2^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 + x_4 y_3 y_5 + x_5 y_3 y_4) + y_1 (x_3 x_4 y_5 + x_3 x_5 y_4 -$$

$$x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,0,1,1,0,1,0,1,0}^r (x_2^2 + y_2^2)(x_1 (x_3 x_4 x_5 - x_3 y_4 y_5 - x_4 y_3 y_5 - x_5 y_3 y_4) + y_1 (-$$

$$x_3 x_4 y_5 - x_3 x_5 y_4 - x_4 x_5 y_3 + y_3 y_4 y_5)) + a_{1,0,1,0,-2,0,-2,0,0,0}^r (x_1 (x_2 x_3^2 x_4^2 - x_2 x_3^2 y_4^2 -$$

$$4x_2 x_3 x_4 y_3 y_4 - x_2 x_4^2 y_3^2 + x_2 y_3^2 y_4^2 + 2x_3^2 x_4 y_2 y_4 + 2x_3 x_4^2 y_2 y_3 - 2x_3 y_2 y_3 y_4^2 -$$

$$2x_4 y_2 y_3^2 y_4) + y_1 (2x_2 x_3^2 x_4 y_4 + 2x_2 x_3 x_4^2 y_3 - 2x_2 x_3 y_3 y_4^2 - 2x_2 x_4 y_3^2 y_4 - x_3^2 x_4^2 y_2 +$$

$$x_3^2 y_2 y_4^2 + 4x_3 x_4 y_2 y_3 y_4 + x_4^2 y_2 y_3^2 - y_2 y_3^2 y_4^2)) + a_{1,0,1,0,-2,0,0,0,2,0}^r(x_1(x_2 x_3^2 x_5^2 -$$

$$x_2 x_3^2 y_5^2 + 4x_2 x_3 x_5 y_3 y_5 - x_2 x_5^2 y_3^2 + x_2 y_3^2 y_5^2 - 2x_3^2 x_5 y_2 y_5 + 2x_3 x_5^2 y_2 y_3 -$$

$$2x_3 y_2 y_3 y_5^2 + 2x_5 y_2 y_3^2 y_5) + y_1(-2x_2 x_3^2 x_5 y_5 + 2x_2 x_3 x_5^2 y_3 - 2x_2 x_3 y_3 y_5^2 +$$

$$2x_2 x_5 y_3^2 y_5 - x_3^2 x_5^2 y_2 + x_3^2 y_2 y_5^2 - 4x_3 x_5 y_2 y_3 y_5 + x_5^2 y_2 y_3^2 - y_2 y_3^2 y_5^2)) +$$

$$a_{1,0,1,0,-4,0,0,0,0,0}^r(x_1(x_2 x_3^4 - 6x_2 x_3^2 y_3^2 + x_2 y_3^4 + 4x_3^3 y_2 y_3 - 4x_3 y_2 y_3^3) + y_1(4x_2 x_3^3 y_3 -$$

$$4x_2 x_3 y_3^3 - x_3^4 y_2 + 6x_3^2 y_2 y_3^2 - y_2 y_3^4)) + a_{1,0,1,0,0,0,-2,0,2,0}^r(x_1(x_2 x_4^2 x_5^2 - x_2 x_4^2 y_5^2 +$$

$$4x_2 x_4 x_5 y_4 y_5 - x_2 x_5^2 y_4^2 + x_2 y_4^2 y_5^2 - 2x_4^2 x_5 y_2 y_5 + 2x_4 x_5^2 y_2 y_4 - 2x_4 y_2 y_4 y_5^2 +$$

$$2x_5 y_2 y_4^2 y_5) + y_1(-2x_2 x_4^2 x_5 y_5 + 2x_2 x_4 x_5^2 y_4 - 2x_2 x_4 y_4 y_5^2 + 2x_2 x_5 y_4^2 y_5 - x_4^2 x_5^2 y_2 +$$

$$x_4^2 y_2 y_5^2 - 4x_4 x_5 y_2 y_4 y_5 + x_5^2 y_2 y_4^2 - y_2 y_4^2 y_5^2)) + a_{1,0,1,0,0,0,-4,0,0,0}^r(x_1(x_2 x_4^4 -$$

$$6x_2 x_4^2 y_4^2 + x_2 y_4^4 + 4x_4^3 y_2 y_4 - 4x_4 y_2 y_4^3) + y_1(4x_2 x_4^3 y_4 - 4x_2 x_4 y_4^3 - x_4^4 y_2 +$$

$$6x_4^2 y_2 y_4^2 - y_2 y_4^4)) + a_{1,0,1,0,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) +$$

$$y_1(2x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,0,0,0,4,0}^r(x_1(x_2 x_5^4 - 6x_2 x_5^2 y_5^2 + x_2 y_5^4 - 4x_5^3 y_2 y_5 +$$

$$4x_5 y_2 y_5^3) + y_1(-4x_2 x_5^3 y_5 + 4x_2 x_5 y_5^3 - x_5^4 y_2 + 6x_5^2 y_2 y_5^2 - y_2 y_5^4)) + a_{1,0,1,0,0,0,0,0,1,-2,0}^r(x_4^2 +$$

$$y_4^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,0,2,0,0,1}^r(x_5^2 +$$

$$y_5^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,0,0,0,2,1,0,0}^r(x_4^2 +$$

$$y_4^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,0,0,1,0,0,-2,0}^r(x_3^2 +$$

$$y_3^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,0,0,0,1,2,0,0,0}^r(x_3^2 +$$

$$y_3^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,0,2,0,0,0,0,0,1}^r(x_5^2 +$$

$$y_5^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,0,2,0,0,1,0,0,0}^r(x_4^2 +$$

$$y_4^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,0,2,1,0,0,0,0,0}^r(x_3^2 +$$

$$y_3^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) + a_{1,0,1,1,0,0,0,0,0,-2,0}^r(x_2^2 +$$

$$y_2^2)(x_1(x_2 x_5^2 - x_2 y_5^2 + 2x_5 y_2 y_5) + y_1(2x_2 x_5 y_5 - x_5^2 y_2 + y_2 y_5^2)) + a_{1,0,1,1,0,0,0,2,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_1(x_2 x_4^2 - x_2 y_4^2 - 2x_4 y_2 y_4) + y_1(-2x_2 x_4 y_4 - x_4^2 y_2 + y_2 y_4^2)) + a_{1,0,1,1,2,0,0,0,0,0,0}^r(x_2^2 +$$

$$y_2^2)(x_1(x_2 x_3^2 - x_2 y_3^2 - 2x_3 y_2 y_3) + y_1(-2x_2 x_3 y_3 - x_3^2 y_2 + y_2 y_3^2)) +$$

$$a_{1,0,2,0,-1,0,-1,0,1,0}^r(x_1(x_2^2 x_3 x_4 x_5 + x_2^2 x_3 y_4 y_5 + x_2^2 x_4 y_3 y_5 - x_2^2 x_5 y_3 y_4 - 2x_2 x_3 x_4 y_2 y_5 +$$

$$2x_2 x_3 x_5 y_2 y_4 + 2x_2 x_4 x_5 y_2 y_3 + 2x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 - x_3 y_2^2 y_4 y_5 - x_4 y_2^2 y_3 y_5 +$$

$$x_5 y_2^2 y_3 y_4) + y_1(-x_2^2 x_3 x_4 y_5 + x_2^2 x_3 x_5 y_4 + x_2^2 x_4 x_5 y_3 + x_2^2 y_3 y_4 y_5 - 2x_2 x_3 x_4 x_5 y_2 -$$

$$2x_2 x_3 y_2 y_4 y_5 - 2x_2 x_4 y_2 y_3 y_5 + 2x_2 x_5 y_2 y_3 y_4 + x_3 x_4 y_2^2 y_5 - x_3 x_5 y_2^2 y_4 - x_4 x_5 y_2^2 y_3 -$$

$$y_2^2 y_3 y_4 y_5)) + a_{1,0,2,0,1,0,1,0,-1,0}^r(x_1(x_2^2 x_3 x_4 x_5 + x_2^2 x_3 y_4 y_5 + x_2^2 x_4 y_3 y_5 - x_2^2 x_5 y_3 y_4 +$$

$$2x_2 x_3 x_4 y_2 y_5 - 2x_2 x_3 x_5 y_2 y_4 - 2x_2 x_4 x_5 y_2 y_3 - 2x_2 y_2 y_3 y_4 y_5 - x_3 x_4 x_5 y_2^2 - x_3 y_2^2 y_4 y_5 -$$

$$x_4 y_2^2 y_3 y_5 + x_5 y_2^2 y_3 y_4) + y_1(x_2^2 x_3 x_4 y_5 - x_2^2 x_3 x_5 y_4 - x_2^2 x_4 x_5 y_3 - x_2^2 y_3 y_4 y_5 -$$

$$2x_2 x_3 x_4 x_5 y_2 - 2x_2 x_3 y_2 y_4 y_5 - 2x_2 x_4 y_2 y_3 y_5 + 2x_2 x_5 y_2 y_3 y_4 - x_3 x_4 y_2^2 y_5 + x_3 x_5 y_2^2 y_4 +$$

$$x_4 x_5 y_2^2 y_3 + y_2^2 y_3 y_4 y_5)) + a_{1,0,3,0,-2,0,0,0,0,0}^r(x_1(x_2^3 x_3^2 - x_2^3 y_3^2 + 6x_2^2 x_3 y_2 y_3 -$$

$$3x_2 x_3^2 y_2^2 + 3x_2 y_2^2 y_3^2 - 2x_3 y_2^3 y_3) + y_1(2x_2^3 x_3 y_3 - 3x_2^2 x_3^2 y_2 + 3x_2^2 y_2 y_3^2 -$$

$$6x_2 x_3 y_2^2 y_3 + x_3^2 y_2^3 - y_2^3 y_3^2)) + a_{1,0,3,0,0,0,-2,0,0,0}^r(x_1(x_2^3 x_4^2 - x_2^3 y_4^2 + 6x_2^2 x_4 y_2 y_4 -$$

$$3x_2 x_4^2 y_2^2 + 3x_2 y_2^2 y_4^2 - 2x_4 y_2^3 y_4) + y_1(2x_2^3 x_4 y_4 - 3x_2^2 x_4^2 y_2 + 3x_2^2 y_2 y_4^2 -$$

$$6x_2 x_4 y_2^2 y_4 + x_4^2 y_2^3 - y_2^3 y_4^2)) + a_{1,0,3,0,0,0,0,0,0,2,0}^r(x_1(x_2^3 x_5^2 - x_2^3 y_5^2 - 6x_2^2 x_5 y_2 y_5 -$$

$$3x_2 x_5^2 y_2^2 + 3x_2 y_2^2 y_5^2 + 2x_5 y_2^3 y_5) + y_1(-2x_2^3 x_5 y_5 - 3x_2^2 x_5^2 y_2 + 3x_2^2 y_2 y_5^2 +$$

$$6x_2 x_5 y_2^2 y_5 + x_5^2 y_2^3 - y_2^3 y_5^2)) + a_{1,0,5,0,0,0,0,0,0,0,0}^r(x_1(x_2^5 - 10x_2^3 y_2^2 + 5x_2 y_2^4) + y_1(-$$

$$5x_2^4 y_2 + 10x_2^2 y_2^3 - y_2^5)) + a_{1,1,-1,0,0,0,0,0,0,0,1}^r(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1 x_2 + y_1 y_2) +$$

$$a_{1,1,-1,0,0,0,0,0,1,0,0}^r(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1 x_2 + y_1 y_2) + a_{1,1,-1,0,0,1,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_3^2 +$$

$$y_3^2)(x_1 x_2 + y_1 y_2) + a_{1,1,-1,1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_1 x_2 + y_1 y_2) + a_{1,1,0,0,-1,0,1,0,-1,0}^r(x_1^2 +$$

$$y_1^2)(x_1(x_3x_4x_5 + x_3y_4y_5 - x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 - x_3x_5y_4 + x_4x_5y_3 + y_3y_4y_5)) +$$

$$a_{1,1,0,0,1,0,-1,0,-1,0}^r(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 + x_4y_3y_5 + x_5y_3y_4) + y_1(x_3x_4y_5 + x_3x_5y_4 -$$

$$x_4x_5y_3 + y_3y_4y_5)) + a_{1,1,0,0,1,0,1,0,1,0}^r(x_1^2 + y_1^2)(x_1(x_3x_4x_5 - x_3y_4y_5 - x_4y_3y_5 - x_5y_3y_4) + y_1(-$$

$$x_3x_4y_5 - x_3x_5y_4 - x_4x_5y_3 + y_3y_4y_5)) + a_{1,1,1,0,0,0,0,0,-2,0}^r(x_1^2 + y_1^2)(x_1(x_2x_5^2 - x_2y_5^2 +$$

$$2x_5y_2y_5) + y_1(2x_2x_5y_5 - x_5^2y_2 + y_2y_5^2)) + a_{1,1,1,0,0,0,2,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_2x_4^2 - x_2y_4^2 -$$

$$2x_4y_2y_4) + y_1(-2x_2x_4y_4 - x_4^2y_2 + y_2y_4^2)) + a_{1,1,1,0,2,0,0,0,0,0}^r(x_1^2 + y_1^2)(x_1(x_2x_3^2 - x_2y_3^2 -$$

$$2x_3y_2y_3) + y_1(-2x_2x_3y_3 - x_3^2y_2 + y_2y_3^2)) + a_{1,2,-1,0,0,0,0,0,0,0}^r(x_1^2 + y_1^2)^2(x_1x_2 + y_1y_2) +$$

$$a_{2,0,-1,0,-1,0,1,0,-1,0}^r(x_1(2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 +$$

$$2x_3x_4x_5y_1y_2 + 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 +$$

$$x_1^2x_3y_4y_5 - x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 -$$

$$x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 - x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 -$$

$$x_3x_5y_1^2y_4 + x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a_{2,0,-1,0,1,0,-1,0,-1,0}^r(x_1(2x_2x_3x_4y_1y_5 +$$

$$2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 + 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 +$$

$$2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 - x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 + x_1^2x_5y_3y_4 -$$

$$x_3x_4x_5y_1^2 + x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 - x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 - x_1^2x_3x_5y_4 +$$

$$x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 + x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) +$$

$$a_{2,0,-1,0,1,0,1,0,1,0}^r(x_1(-2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 - 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 +$$

$$2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 - 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 -$$

$$x_1^2x_3y_4y_5 - x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 + x_3y_1^2y_4y_5 + x_4y_1^2y_3y_5 +$$

$$x_5y_1^2y_3y_4) + y_2(x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 - x_1^2y_3y_4y_5 - x_3x_4y_1^2y_5 -$$

$$x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) + a_{2,0,-2,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_2 - y_2) + y_1(x_2 +$$

$$y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a_{2,0,-2,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-$$

$$x_2 + y_2)) + a_{2,0,-2,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) +$$

$$a_{2,0,-2,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_2 - y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) +$$

$$a_{2,0,0,0,-2,0,-2,0,0,0}^r(x_1(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4) + y_1(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4))(x_1(x_3x_4 + x_3y_4 +$$

$$x_4y_3 - y_3y_4) + y_1(-x_3x_4 + x_3y_4 + x_4y_3 + y_3y_4)) + a_{2,0,0,0,-2,0,0,0,2,0}^r(x_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5) +$$

$$y_1(-x_3x_5 - x_3y_5 + x_5y_3 - y_3y_5))(x_1(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) + y_1(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)) +$$

$$a_{2,0,0,0,-4,0,0,0,0,0}^r(x_1(x_3^2 - 2x_3y_3 - y_3^2) + y_1(x_3^2 + 2x_3y_3 - y_3^2))(x_1(x_3^2 + 2x_3y_3 - y_3^2) + y_1(-x_3^2 +$$

$$2x_3y_3 + y_3^2)) + a_{2,0,0,0,0,0,-2,0,2,0}^r(x_1(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5) + y_1(-x_4x_5 - x_4y_5 + x_5y_4 -$$

$$y_4y_5))(x_1(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) + y_1(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)) + a_{2,0,0,0,0,0,-4,0,0,0}^r(x_1(x_4^2 -$$

$$2x_4y_4 - y_4^2) + y_1(x_4^2 + 2x_4y_4 - y_4^2))(x_1(x_4^2 + 2x_4y_4 - y_4^2) + y_1(-x_4^2 + 2x_4y_4 + y_4^2)) +$$

$$a_{2,0,0,0,0,0,0,0,-2,1}^r(x_5^2 + y_5^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) +$$

$$a_{2,0,0,0,0,0,0,0,4,0}^r(x_1(x_5^2 - 2x_5y_5 - y_5^2) + y_1(-x_5^2 - 2x_5y_5 + y_5^2))(x_1(x_5^2 + 2x_5y_5 - y_5^2) + y_1(x_5^2 -$$

$$2x_5y_5 - y_5^2)) + a_{2,0,0,0,0,0,0,1,-2,0}^r(x_4^2 + y_4^2)(x_1(x_5 - y_5) + y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) +$$

$$a_{2,0,0,0,0,0,2,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a_{2,0,0,0,0,0,2,1,0,0}^r(x_4^2 +$$

$$y_4^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) + y_1(x_4 - y_4)) + a_{2,0,0,0,0,1,0,0,-2,0}^r(x_3^2 + y_3^2)(x_1(x_5 - y_5) +$$

$$y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a_{2,0,0,0,0,1,2,0,0,0}^r(x_3^2 + y_3^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 +$$

$$y_4) + y_1(x_4 - y_4)) + a_{2,0,0,0,2,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a_{2,0,0,0,2,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a_{2,0,0,0,2,1,0,0,0,0}^r(x_3^2 +$$

$$y_3^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) + a_{2,0,0,1,0,0,0,0,-2,0}^r(x_2^2 + y_2^2)(x_1(x_5 - y_5) +$$

$$y_1(x_5 + y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a_{2,0,0,1,0,0,2,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 +$$

$$y_4) + y_1(x_4 - y_4)) + a_{2,0,0,1,2,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a^r_{2,0,1,0,-1,0,-1,0,1,0}(x_1(-2x_2x_3x_4y_1y_5 + 2x_2x_3x_5y_1y_4 + 2x_2x_4x_5y_1y_3 + 2x_2y_1y_3y_4y_5 -$$

$$2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 + 2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 +$$

$$x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 - x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 +$$

$$x_5y_1^2y_3y_4) + y_2(-x_1^2x_3x_4y_5 + x_1^2x_3x_5y_4 + x_1^2x_4x_5y_3 + x_1^2y_3y_4y_5 + x_3x_4y_1^2y_5 -$$

$$x_3x_5y_1^2y_4 - x_4x_5y_1^2y_3 - y_1^2y_3y_4y_5)) + a^r_{2,0,1,0,1,0,1,0,-1,0}(x_1(2x_2x_3x_4y_1y_5 - 2x_2x_3x_5y_1y_4 -$$

$$2x_2x_4x_5y_1y_3 - 2x_2y_1y_3y_4y_5 - 2x_3x_4x_5y_1y_2 - 2x_3y_1y_2y_4y_5 - 2x_4y_1y_2y_3y_5 +$$

$$2x_5y_1y_2y_3y_4) + x_2(x_1^2x_3x_4x_5 + x_1^2x_3y_4y_5 + x_1^2x_4y_3y_5 - x_1^2x_5y_3y_4 - x_3x_4x_5y_1^2 -$$

$$x_3y_1^2y_4y_5 - x_4y_1^2y_3y_5 + x_5y_1^2y_3y_4) + y_2(x_1^2x_3x_4y_5 - x_1^2x_3x_5y_4 - x_1^2x_4x_5y_3 -$$

$$x_1^2y_3y_4y_5 - x_3x_4y_1^2y_5 + x_3x_5y_1^2y_4 + x_4x_5y_1^2y_3 + y_1^2y_3y_4y_5)) +$$

$$a^r_{2,0,2,0,-2,0,0,0,0,0}(x_1(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3) + y_1(x_2x_3 + x_2y_3 - x_3y_2 + y_2y_3))(x_1(x_2x_3 + x_2y_3 -$$

$$x_3y_2 + y_2y_3) + y_1(-x_2x_3 + x_2y_3 - x_3y_2 - y_2y_3)) + a^r_{2,0,2,0,0,0,-2,0,0,0}(x_1(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4) +$$

$$y_1(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4))(x_1(x_2x_4 + x_2y_4 - x_4y_2 + y_2y_4) + y_1(-x_2x_4 + x_2y_4 - x_4y_2 - y_2y_4)) +$$

$$a^r_{2,0,2,0,0,0,0,0,2,0}(x_1(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5) + y_1(-x_2x_5 - x_2y_5 - x_5y_2 + y_2y_5))(x_1(x_2x_5 + x_2y_5 +$$

$$x_5y_2 - y_2y_5) + y_1(x_2x_5 - x_2y_5 - x_5y_2 - y_2y_5)) + a^r_{2,0,4,0,0,0,0,0,0,0}(x_1(x_2^2 - 2x_2y_2 - y_2^2) + y_1(-x_2^2 -$$

$$2x_2y_2 + y_2^2))(x_1(x_2^2 + 2x_2y_2 - y_2^2) + y_1(x_2^2 - 2x_2y_2 - y_2^2)) + a^r_{2,1,-2,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_2 -$$

$$y_2) + y_1(x_2 + y_2))(x_1(x_2 + y_2) + y_1(-x_2 + y_2)) + a^r_{2,1,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1(x_5 - y_5) + y_1(x_5 +$$

$$y_5))(x_1(x_5 + y_5) + y_1(-x_5 + y_5)) + a^r_{2,1,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1(x_4 - y_4) + y_1(-x_4 - y_4))(x_1(x_4 + y_4) +$$

$$y_1(x_4 - y_4)) + a^r_{2,1,0,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1(x_3 - y_3) + y_1(-x_3 - y_3))(x_1(x_3 + y_3) + y_1(x_3 - y_3)) +$$

$$a^r_{3,0,-1,0,0,0,0,0,-2,0}(x_1(-3x_2x_5^2y_1^2 + 3x_2y_1^2y_5^2 + 6x_5y_1^2y_2y_5) + x_2(x_1^3x_5^2 - x_1^3y_5^2 -$$

$$2x_5y_1^3y_5) + y_1(6x_1^2x_2x_5y_5 + 3x_1^2x_5^2y_2 - 3x_1^2y_2y_5^2) + y_2(-2x_1^3x_5y_5 - x_5^2y_1^3 +$$

$$y_1^3y_5^2)) + a^r_{3,0,-1,0,0,0,2,0,0,0}(x_1(-3x_2x_4^2y_1^2 + 3x_2y_1^2y_4^2 - 6x_4y_1^2y_2y_4) + x_2(x_1^3x_4^2 -$$

$$x_1^3y_4^2 + 2x_4y_1^3y_4) + y_1(-6x_1^2x_2x_4y_4 + 3x_1^2x_4^2y_2 - 3x_1^2y_2y_4^2) + y_2(2x_1^3x_4y_4 -$$

$$x_4^2y_1^3 + y_1^3y_4^2)) + a^r_{3,0,-1,0,2,0,0,0,0,0}(x_1(-3x_2x_3^2y_1^2 + 3x_2y_1^2y_3^2 - 6x_3y_1^2y_2y_3) +$$

$$x_2(x_1^3x_3^2 - x_1^3y_3^2 + 2x_3y_1^3y_3) + y_1(-6x_1^2x_2x_3y_3 + 3x_1^2x_3^2y_2 - 3x_1^2y_2y_3^2) +$$

$$y_2(2x_1^3x_3y_3 - x_3^2y_1^3 + y_1^3y_3^2)) + a^r_{3,0,-3,0,0,0,0,0,0,0}(x_1x_2 + y_1y_2)(x_1^2x_2^2 - 3x_1^2y_2^2 +$$

$$8x_1x_2y_1y_2 - 3x_2^2y_1^2 + y_1^2y_2^2) + a^r_{3,0,0,0,-1,0,-1,0,1,0}(x_1(-3x_3x_4x_5y_1^2 - 3x_3y_1^2y_4y_5 -$$

$$3x_4y_1^2y_3y_5 + 3x_5y_1^2y_3y_4) + x_3(x_1^3x_4x_5 + x_1^3y_4y_5 + x_4y_1^3y_5 - x_5y_1^3y_4) + y_1(-$$

$$3x_1^2x_3x_4y_5 + 3x_1^2x_3x_5y_4 + 3x_1^2x_4x_5y_3 + 3x_1^2y_3y_4y_5) + y_3(x_1^3x_4y_5 - x_1^3x_5y_4 -$$

$$x_4x_5y_1^3 - y_1^3y_4y_5)) + a^r_{3,0,0,0,1,0,1,0,-1,0}(x_1(-3x_3x_4x_5y_1^2 - 3x_3y_1^2y_4y_5 - 3x_4y_1^2y_3y_5 +$$

$$3x_5y_1^2y_3y_4) + x_3(x_1^3x_4x_5 + x_1^3y_4y_5 - x_4y_1^3y_5 + x_5y_1^3y_4) + y_1(3x_1^2x_3x_4y_5 -$$

$$3x_1^2x_3x_5y_4 - 3x_1^2x_4x_5y_3 - 3x_1^2y_3y_4y_5) + y_3(x_1^3x_4y_5 - x_1^3x_5y_4 + x_4x_5y_1^3 +$$

$$y_1^3y_4y_5)) + a^r_{3,0,1,0,-2,0,0,0,0,0}(x_1(-3x_2x_3^2y_1^2 + 3x_2y_1^2y_3^2 - 6x_3y_1^2y_2y_3) + x_2(x_1^3x_3^2 -$$

$$x_1^3y_3^2 - 2x_3y_1^3y_3) + y_1(6x_1^2x_2x_3y_3 - 3x_1^2x_3^2y_2 + 3x_1^2y_2y_3^2) + y_2(2x_1^3x_3y_3 +$$

$$x_3^2y_1^3 - y_1^3y_3^2)) + a^r_{3,0,1,0,0,0,-2,0,0,0}(x_1(-3x_2x_4^2y_1^2 + 3x_2y_1^2y_4^2 - 6x_4y_1^2y_2y_4) +$$

$$x_2(x_1^3x_4^2 - x_1^3y_4^2 - 2x_4y_1^3y_4) + y_1(6x_1^2x_2x_4y_4 - 3x_1^2x_4^2y_2 + 3x_1^2y_2y_4^2) +$$

$$y_2(2x_1^3x_4y_4 + x_4^2y_1^3 - y_1^3y_4^2)) + a^r_{3,0,1,0,0,0,0,0,2,0}(x_1(-3x_2x_5^2y_1^2 + 3x_2y_1^2y_5^2 +$$

$$6x_5y_1^2y_2y_5) + x_2(x_1^3x_5^2 - x_1^3y_5^2 + 2x_5y_1^3y_5) + y_1(-6x_1^2x_2x_5y_5 - 3x_1^2x_5^2y_2 +$$

$$3x_1^2y_2y_5^2) + y_2(-2x_1^3x_5y_5 + x_5^2y_1^3 - y_1^3y_5^2)) + a^r_{3,0,3,0,0,0,0,0,0,0}(x_1x_2 - y_1y_2)(x_1^2x_2^2 -$$

$$3x_1^2y_2^2 - 8x_1x_2y_1y_2 - 3x_2^2y_1^2 + y_1^2y_2^2) + a^r_{4,0,0,0,-2,0,0,0,0,0}(x_1(-2x_3y_1 + 2y_1y_3) + x_3(x_1^2 -$$

$$y_1^2) + y_3(x_1^2 - y_1^2))(x_1(2x_3y_1 + 2y_1y_3) + x_3(x_1^2 - y_1^2) + y_3(-x_1^2 + y_1^2)) + a^r_{4,0,0,0,0,0,-2,0,0,0}(x_1(-$$

$$2x_4y_1 + 2y_1y_4) + x_4(x_1^2 - y_1^2) + y_4(x_1^2 - y_1^2))(x_1(2x_4y_1 + 2y_1y_4) + x_4(x_1^2 - y_1^2) + y_4(-x_1^2 +$$

$$y_1^2)) + a^r_{4,0,0,0,0,0,0,0,2,0}(x_1(-2x_5y_1 - 2y_1y_5) + x_5(x_1^2 - y_1^2) + y_5(-x_1^2 + y_1^2))(x_1(2x_5y_1 - 2y_1y_5) +$$

$$x_5(x_1^2 - y_1^2) + y_5(x_1^2 - y_1^2)) + a^r_{4,0,2,0,0,0,0,0,0,0,0}(x_1(-2x_2y_1 - 2y_1y_2) + x_2(x_1^2 - y_1^2) + y_2(-x_1^2 +$$
$$y_1^2))(x_1(2x_2y_1 - 2y_1y_2) + x_2(x_1^2 - y_1^2) + y_2(x_1^2 - y_1^2)) + a^r_{5,0,1,0,0,0,0,0,0,0,0}(-5x_1^4y_1y_2 +$$
$$5x_1x_2y_1^4 + x_2(x_1^5 - 10x_1^3y_1^2) + y_2(10x_1^2y_1^3 - y_1^5)) + a^r_{6,0,0,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 -$$
$$4x_1y_1 + y_1^2)(x_1^2 + 4x_1y_1 + y_1^2) - b^r_{-1,0,-1,0,-2,0,-2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 -$$
$$4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 +$$
$$2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 - 2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 + 2x_2x_3y_1y_3y_4^2 +$$
$$2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2 + x_3^2y_1y_2y_4^2 + 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 -$$
$$y_1y_2y_3^2y_4^2) - b^r_{-1,0,-1,0,-2,0,0,0,2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5 -$$
$$x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2 -$$
$$2x_1x_5y_2y_3^2y_5 + 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 -$$
$$x_3^2x_5^2y_1y_2 + x_3^2y_1y_2y_5^2 - 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) -$$
$$b^r_{-1,0,-1,0,-4,0,0,0,0,0}(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 -$$
$$4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 - x_3^4y_1y_2 + 6x_3^2y_1y_2y_3^2 - y_1y_2y_3^4) -$$
$$b^r_{-1,0,-1,0,0,0,-2,0,2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 + 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 +$$
$$x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 +$$
$$2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2 +$$
$$x_4^2y_1y_2y_5^2 - 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) -$$
$$b^r_{-1,0,-1,0,0,0,-4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4 + 4x_1x_4y_2y_4^3 -$$
$$4x_2x_4^3y_1y_4 + 4x_2x_4y_1y_4^3 - x_4^4y_1y_2 + 6x_4^2y_1y_2y_4^2 - y_1y_2y_4^4) - b^r_{-1,0,-1,0,0,0,0,0,-2,1}(x_5^2 +$$
$$y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) -$$
$$b^r_{-1,0,-1,0,0,0,0,0,4,0}(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4 + 4x_1x_5^3y_2y_5 - 4x_1x_5y_2y_5^3 +$$
$$4x_2x_5^3y_1y_5 - 4x_2x_5y_1y_5^3 - x_5^4y_1y_2 + 6x_5^2y_1y_2y_5^2 - y_1y_2y_5^4) - b^r_{-1,0,-1,0,0,0,0,1,-2,0}(x_4^2 +$$
$$y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) -$$
$$b^r_{-1,0,-1,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 +$$
$$y_1y_2y_4^2) - b^r_{-1,0,-1,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 -$$
$$x_4^2y_1y_2 + y_1y_2y_4^2) - b^r_{-1,0,-1,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 -$$
$$2x_2x_5y_1y_5 - x_5^2y_1y_2 + y_1y_2y_5^2) - b^r_{-1,0,-1,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 +$$
$$2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) - b^r_{-1,0,-1,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2 -$$
$$x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) - b^r_{-1,0,-1,0,2,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) -$$
$$b^r_{-1,0,-1,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 +$$
$$y_1y_2y_3^2) - b^r_{-1,0,-1,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 -$$
$$x_5^2y_1y_2 + y_1y_2y_5^2) - b^r_{-1,0,-1,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 +$$
$$2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) - b^r_{-1,0,-1,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$
$$2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) - b^r_{-1,0,-2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 +$$
$$x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 -$$
$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 -$$
$$x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 -$$
$$2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 -$$
$$x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) - b^r_{-1,0,-2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 -$$
$$x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 +$$
$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 -$$

$$x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 -$$

$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 +$$

$$x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) - b_{-1,0,-2,0,1,0,1,0,1,0}^r(x_1x_2^2x_3x_4x_5 -$$

$$x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 +$$

$$2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 +$$

$$x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 -$$

$$2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 + 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 -$$

$$x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 + y_1y_2^2y_3y_4y_5) - b_{-1,0,-3,0,0,0,0,0,0,1}^r(x_5^2 + y_5^2)(x_1x_2^3 -$$

$$3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) - b_{-1,0,-3,0,0,0,0,1,0,0}^r(x_4^2 + y_4^2)(x_1x_2^3 - 3x_1x_2y_2^2 - 3x_2^2y_1y_2 +$$

$$y_1y_2^3) - b_{-1,0,-3,0,0,1,0,0,0,0}^r(x_3^2 + y_3^2)(x_1x_2^3 - 3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) -$$

$$b_{-1,0,-3,1,0,0,0,0,0,0}^r(x_2^2 + y_2^2)(x_1x_2^3 - 3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) - b_{-1,0,0,0,-1,0,-1,0,1,1}^r(x_5^2 +$$

$$y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 -$$

$$y_1y_3y_4y_5) - b_{-1,0,0,0,-1,0,-1,1,1,0}^r(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 +$$

$$x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - b_{-1,0,0,0,-1,0,-3,0,-1,0}^r(x_1x_3x_4^3x_5 -$$

$$3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 - 3x_1x_4^2x_5y_3y_4 +$$

$$3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 - x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 + 3x_3x_4y_1y_4^2y_5 +$$

$$x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 + 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5) -$$

$$b_{-1,0,0,0,-1,0,1,0,-3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 -$$

$$3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 +$$

$$x_3x_4y_1y_5^3 + x_3x_5^3y_1y_4 - 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 -$$

$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) - b_{-1,0,0,0,-1,0,1,0,3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 -$$

$$3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 + 3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 -$$

$$3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 + x_3x_5^3y_1y_4 - 3x_3x_5y_1y_4y_5^2 -$$

$$x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) -$$

$$b_{-1,0,0,0,-1,0,3,0,-1,0}^r(x_1x_3x_4^3x_5 + 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 +$$

$$3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 - x_1x_5y_3y_4^3 - x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 +$$

$$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 +$$

$$y_1y_3y_4^3y_5) - b_{-1,0,0,0,-1,1,-1,0,1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 +$$

$$x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - b_{-1,0,0,0,-3,0,-1,0,-1,0}^r(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5 -$$

$$3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5 +$$

$$x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 +$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 - y_1y_3^3y_4y_5) - b_{-1,0,0,0,-3,0,1,0,1,0}^r(x_1x_3^3x_4x_5 -$$

$$x_1x_3^3y_4y_5 + 3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 -$$

$$x_1x_4y_3^3y_5 - x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 + x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 -$$

$$3x_3x_4y_1y_3^2y_5 - 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 - y_1y_3^3y_4y_5) -$$

$$b_{-1,0,0,0,1,0,-1,0,-3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 - 3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 +$$

$$3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 - 3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 +$$

$$x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 + x_4x_5^3y_1y_3 - 3x_4x_5y_1y_3y_5^2 -$$

$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) - b_{-1,0,0,0,1,0,-1,0,3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 +$$

$$3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 + x_1x_5^3y_3y_4 -$$

$$3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 - x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 +$$

$$x_4x_5^3y_1y_3 - 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) - b_{-1,0,0,0,1,0,-3,0,1,0}^r(x_1x_3x_4^3x_5 +$$

$$3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5 + 3x_1x_4^2x_5y_3y_4+$$

$$3x_1x_4y_3y_4^2y_5 - x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 - 3x_3x_4y_1y_4^2y_5+$$

$$x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 + 3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2 - y_1y_3y_4^3y_5)-$$

$$b^r_{-1,0,0,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5+$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) - b^r_{-1,0,0,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5+$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5)-$$

$$b^r_{-1,0,0,0,1,0,3,0,1,0}(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 - x_1x_4^3y_3y_5-$$

$$3x_1x_4^2x_5y_3y_4 + 3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4-$$

$$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 + x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 - 3x_4x_5y_1y_3y_4^2+$$

$$y_1y_3y_4^3y_5) - b^r_{-1,0,0,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4-$$

$$x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) - b^r_{-1,0,0,0,3,0,-1,0,-1,0}(x_1x_3^3x_4x_5 - x_1x_3^3y_4y_5+$$

$$3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5-$$

$$x_1x_5y_3^3y_4 - x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5+$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) - b^r_{-1,0,0,0,3,0,1,0,1,0}(x_1x_3^3x_4x_5-$$

$$x_1x_3^3y_4y_5 - 3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 + 3x_1x_3y_3^2y_4y_5+$$

$$x_1x_4y_3^3y_5 + x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 + x_3^3x_5y_1y_4 + 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5-$$

$$3x_3x_4y_1y_3^2y_5 - 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) - b^r_{-1,0,0,1,-1,0,-1,0,1,0}(x_2^2+$$

$$y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3-$$

$$y_1y_3y_4y_5) - b^r_{-1,0,0,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4-$$

$$x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) - b^r_{-1,0,1,0,-2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_3^2-$$

$$x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - b^r_{-1,0,1,0,-2,0,0,1,0,0}(x_4^2+$$

$$y_4^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2)-$$

$$b^r_{-1,0,1,0,-2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_3^2 - x_1x_2y_3^2 + 2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2-$$

$$y_1y_2y_3^2) - b^r_{-1,0,1,0,0,0,-2,0,0,1}(x_5^2 + y_5^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4+$$

$$x_4^2y_1y_2 - y_1y_2y_4^2) - b^r_{-1,0,1,0,0,0,-2,1,0,0}(x_4^2 + y_4^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4-$$

$$2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) - b^r_{-1,0,1,0,0,0,0,0,0,-4,0}(x_1x_2x_5^4 - 6x_1x_2x_5^2y_5^2 + x_1x_2y_5^4+$$

$$4x_1x_5^3y_2y_5 - 4x_1x_5y_2y_5^3 - 4x_2x_5^3y_1y_5 + 4x_2x_5y_1y_5^3 + x_5^4y_1y_2 - 6x_5^2y_1y_2y_5^2+$$

$$y_1y_2y_5^4) - b^r_{-1,0,1,0,0,0,0,0,0,2,1}(x_5^2 + y_5^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5+$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) - b^r_{-1,0,1,0,0,0,0,0,1,2,0}(x_4^2 + y_4^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5+$$

$$2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) - b^r_{-1,0,1,0,0,0,2,0,-2,0}(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2+$$

$$4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4+$$

$$2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 - 2x_2x_4^2x_5y_1y_5 + 2x_2x_4x_5^2y_1y_4 - 2x_2x_4y_1y_4y_5^2+$$

$$2x_2x_5y_1y_4^2y_5 + x_4^2x_5^2y_1y_2 - x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 - x_5^2y_1y_2y_4^2+$$

$$y_1y_2y_4^2y_5^2) - b^r_{-1,0,1,0,0,0,4,0,0,0}(x_1x_2x_4^4 - 6x_1x_2x_4^2y_4^2 + x_1x_2y_4^4 - 4x_1x_4^3y_2y_4+$$

$$4x_1x_4y_2y_4^3 + 4x_2x_4^3y_1y_4 - 4x_2x_4y_1y_4^3 + x_4^4y_1y_2 - 6x_4^2y_1y_2y_4^2 + y_1y_2y_4^4)-$$

$$b^r_{-1,0,1,0,0,1,-2,0,0,0}(x_3^2 + y_3^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2-$$

$$y_1y_2y_4^2) - b^r_{-1,0,1,0,0,1,0,0,2,0}(x_3^2 + y_3^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5+$$

$$x_5^2y_1y_2 - y_1y_2y_5^2) - b^r_{-1,0,1,0,2,0,0,0,-2,0}(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 + 4x_1x_2x_3x_5y_3y_5-$$

$$x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 + 2x_1x_3y_2y_3y_5^2-$$

$$2x_1x_5y_2y_3^2y_5 - 2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 - 2x_2x_3y_1y_3y_5^2 + 2x_2x_5y_1y_3^2y_5+$$

$$x_3^2x_5^2y_1y_2 - x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 - x_5^2y_1y_2y_3^2 + y_1y_2y_3^2y_5^2)-$$

$$b^r_{-1,0,1,0,2,0,2,0,0,0}(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 - 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2+$$

$$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 - 2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 +$$

$$2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 - 2x_2x_4y_1y_3^2y_4 + x_3^2x_4^2y_1y_2 -$$

$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 - x_4^2y_1y_2y_3^2 + y_1y_2y_3^2y_4^2) - b^r_{-1,0,1,0,4,0,0,0,0,0}(x_1x_2x_3^4 -$$

$$6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 - 4x_1x_3^3y_2y_3 + 4x_1x_3y_2y_3^3 + 4x_2x_3^3y_1y_3 - 4x_2x_3y_1y_3^3 +$$

$$x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) - b^r_{-1,0,1,1,-2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$

$$2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - b^r_{-1,0,1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 -$$

$$x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) - b^r_{-1,0,1,1,0,0,0,0,2,0}(x_2^2 +$$

$$y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) -$$

$$b^r_{-1,0,2,0,-1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 +$$

$$2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 +$$

$$x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 -$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 -$$

$$2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) -$$

$$b^r_{-1,0,2,0,-1,0,1,0,1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 -$$

$$2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 +$$

$$x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 -$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 - 2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 +$$

$$2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) -$$

$$b^r_{-1,0,2,0,1,0,-1,0,1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 - x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 -$$

$$2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 -$$

$$x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 +$$

$$x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 +$$

$$2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) -$$

$$b^r_{-1,0,3,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) - b^r_{-1,0,3,0,0,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) - b^r_{-1,0,3,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2^3 -$$

$$3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) - b^r_{-1,0,3,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 -$$

$$y_1y_2^3) - b^r_{-1,1,-1,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 -$$

$$x_5^2y_1y_2 + y_1y_2y_5^2) - b^r_{-1,1,-1,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_4^2 - x_1x_2y_4^2 + 2x_1x_4y_2y_4 +$$

$$2x_2x_4y_1y_4 - x_4^2y_1y_2 + y_1y_2y_4^2) - b^r_{-1,1,-1,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$

$$2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 - x_3^2y_1y_2 + y_1y_2y_3^2) - b^r_{-1,1,-3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2^3 -$$

$$3x_1x_2y_2^2 - 3x_2^2y_1y_2 + y_1y_2^3) - b^r_{-1,1,0,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 +$$

$$x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 - x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$

$$b^r_{-1,1,0,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 + x_1x_4y_3y_5 - x_1x_5y_3y_4 - x_3x_4y_1y_5 +$$

$$x_3x_5y_1y_4 + x_4x_5y_1y_3 + y_1y_3y_4y_5) - b^r_{-1,1,1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_3^2 - x_1x_2y_3^2 +$$

$$2x_1x_3y_2y_3 - 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - b^r_{-1,1,1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_4^2 -$$

$$x_1x_2y_4^2 + 2x_1x_4y_2y_4 - 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) - b^r_{-1,1,1,0,0,0,0,0,2,0}(x_1^2 +$$

$$y_1^2)(x_1x_2x_5^2 - x_1x_2y_5^2 - 2x_1x_5y_2y_5 + 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) -$$

$$b^r_{-1,1,3,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2^3 - 3x_1x_2y_2^2 + 3x_2^2y_1y_2 - y_1y_2^3) -$$

$$b^r_{-2,0,-1,0,-1,0,1,0,-1,0}(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5 + x_1^2x_2x_5y_3y_4 -$$

$$x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3 - x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 +$$

$$2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 - 2x_1x_3x_4x_5y_1y_2 -$$

$$2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 - x_2x_3y_1^2y_4y_5 +$$

$$x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 + x_4x_5y_1^2y_2y_3 +$$

$$y_1^2y_2y_3y_4y_5) - b^r_{-2,0,-1,0,1,0,-1,0,-1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 + x_1^2x_2x_4y_3y_5 +$$

$$x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 - x_1^2y_2y_3y_4y_5 -$$

$$2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 - x_2x_4y_1^2y_3y_5 - x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) - b^r_{-2,0,-1,0,1,0,1,0,1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5 -$$

$$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 + x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 -$$

$$x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 -$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 +$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 - x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 -$$

$$x_4x_5y_1^2y_2y_3 + y_1^2y_2y_3y_4y_5) - b^r_{-2,0,-2,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 +$$

$$x_1y_2 + x_2y_1 - y_1y_2) - b^r_{-2,0,-2,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 -$$

$$y_1y_2) - b^r_{-2,0,-2,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2) -$$

$$b^r_{-2,0,-2,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_2 - x_1y_2 - x_2y_1 - y_1y_2)(x_1x_2 + x_1y_2 + x_2y_1 - y_1y_2) -$$

$$b^r_{-2,0,0,0,-2,0,-2,0,0,0}(x_1x_3x_4 - x_1x_3y_4 - x_1x_4y_3 - x_1y_3y_4 - x_3x_4y_1 - x_3y_1y_4 - x_4y_1y_3 +$$

$$y_1y_3y_4)(x_1x_3x_4 + x_1x_3y_4 + x_1x_4y_3 - x_1y_3y_4 + x_3x_4y_1 - x_3y_1y_4 - x_4y_1y_3 - y_1y_3y_4) -$$

$$b^r_{-2,0,0,0,-2,0,0,0,2,0}(x_1x_3x_5 - x_1x_3y_5 + x_1x_5y_3 + x_1y_3y_5 + x_3x_5y_1 + x_3y_1y_5 - x_5y_1y_3 +$$

$$y_1y_3y_5)(x_1x_3x_5 + x_1x_3y_5 - x_1x_5y_3 + x_1y_3y_5 - x_3x_5y_1 + x_3y_1y_5 - x_5y_1y_3 - y_1y_3y_5) -$$

$$b^r_{-2,0,0,0,-4,0,0,0,0,0}(x_1x_3^2 - 2x_1x_3y_3 - x_1y_3^2 - x_3^2y_1 - 2x_3y_1y_3 + y_1y_3^2)(x_1x_3^2 + 2x_1x_3y_3 -$$

$$x_1y_3^2 + x_3^2y_1 - 2x_3y_1y_3 - y_1y_3^2) - b^r_{-2,0,0,0,0,0,0,-2,0,2,0}(x_1x_4x_5 - x_1x_4y_5 + x_1x_5y_4 + x_1y_4y_5 +$$

$$x_4x_5y_1 + x_4y_1y_5 - x_5y_1y_4 + y_1y_4y_5)(x_1x_4x_5 + x_1x_4y_5 - x_1x_5y_4 + x_1y_4y_5 - x_4x_5y_1 +$$

$$x_4y_1y_5 - x_5y_1y_4 - y_1y_4y_5) - b^r_{-2,0,0,0,0,0,0,-4,0,0,0}(x_1x_4^2 - 2x_1x_4y_4 - x_1y_4^2 - x_4^2y_1 - 2x_4y_1y_4 +$$

$$y_1y_4^2)(x_1x_4^2 + 2x_1x_4y_4 - x_1y_4^2 + x_4^2y_1 - 2x_4y_1y_4 - y_1y_4^2) - b^r_{-2,0,0,0,0,0,0,0,0,0,-2,1}(x_5^2 +$$

$$y_5^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5) - b^r_{-2,0,0,0,0,0,0,0,0,4,0}(x_1x_5^2 - 2x_1x_5y_5 -$$

$$x_1y_5^2 + x_5^2y_1 + 2x_5y_1y_5 - y_1y_5^2)(x_1x_5^2 + 2x_1x_5y_5 - x_1y_5^2 - x_5^2y_1 + 2x_5y_1y_5 + y_1y_5^2) -$$

$$b^r_{-2,0,0,0,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5) -$$

$$b^r_{-2,0,0,0,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4) -$$

$$b^r_{-2,0,0,0,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4) -$$

$$b^r_{-2,0,0,0,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5) -$$

$$b^r_{-2,0,0,0,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4) -$$

$$b^r_{-2,0,0,0,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3) -$$

$$b^r_{-2,0,0,0,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3) -$$

$$b^r_{-2,0,0,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3) -$$

$$b^r_{-2,0,0,1,0,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_1x_5 - x_1y_5 - x_5y_1 - y_1y_5)(x_1x_5 + x_1y_5 + x_5y_1 - y_1y_5) -$$

$$b^r_{-2,0,0,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_1x_4 - x_1y_4 + x_4y_1 + y_1y_4)(x_1x_4 + x_1y_4 - x_4y_1 + y_1y_4) -$$

$$b^r_{-2,0,0,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_1x_3 - x_1y_3 + x_3y_1 + y_1y_3)(x_1x_3 + x_1y_3 - x_3y_1 + y_1y_3) -$$

$$b^r_{-2,0,1,0,-1,0,-1,0,1,0}(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 + x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 -$$

$$x_1^2x_3x_4y_2y_5 + x_1^2x_3x_5y_2y_4 + x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 -$$

$$2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 - 2x_1x_2y_1y_3y_4y_5 + 2x_1x_3x_4x_5y_1y_2 +$$

$$2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 - 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 - x_2x_3y_1^2y_4y_5 -$$

$$x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 - x_3x_5y_1^2y_2y_4 - x_4x_5y_1^2y_2y_3 -$$

$$y_1^2y_2y_3y_4y_5) - b^r_{-2,0,1,0,1,0,1,0,-1,0}(x_1^2x_2x_3x_4x_5 + x_1^2x_2x_3y_4y_5 + x_1^2x_2x_4y_3y_5 -$$

$$x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 - x_1^2 y_2 y_3 y_4 y_5 -$$
$$2x_1 x_2 x_3 x_4 y_1 y_5 + 2x_1 x_2 x_3 x_5 y_1 y_4 + 2x_1 x_2 x_4 x_5 y_1 y_3 + 2x_1 x_2 y_1 y_3 y_4 y_5 +$$
$$2x_1 x_3 x_4 x_5 y_1 y_2 + 2x_1 x_3 y_1 y_2 y_4 y_5 + 2x_1 x_4 y_1 y_2 y_3 y_5 - 2x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 -$$
$$x_2 x_3 y_1^2 y_4 y_5 - x_2 x_4 y_1^2 y_3 y_5 + x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 + x_3 x_5 y_1^2 y_2 y_4 +$$
$$x_4 x_5 y_1^2 y_2 y_3 + y_1^2 y_2 y_3 y_4 y_5) - b^r_{-2,0,2,0,-2,0,0,0,0,0}(x_1 x_2 x_3 - x_1 x_2 y_3 + x_1 x_3 y_2 + x_1 y_2 y_3 -$$
$$x_2 x_3 y_1 - x_2 y_1 y_3 + x_3 y_1 y_2 - y_1 y_2 y_3)(x_1 x_2 x_3 + x_1 x_2 y_3 - x_1 x_3 y_2 + x_1 y_2 y_3 + x_2 x_3 y_1 -$$
$$x_2 y_1 y_3 + x_3 y_1 y_2 + y_1 y_2 y_3) - b^r_{-2,0,2,0,0,0,0,-2,0,0,0}(x_1 x_2 x_4 - x_1 x_2 y_4 + x_1 x_4 y_2 + x_1 y_2 y_4 - x_2 x_4 y_1 -$$
$$x_2 y_1 y_4 + x_4 y_1 y_2 - y_1 y_2 y_4)(x_1 x_2 x_4 + x_1 x_2 y_4 - x_1 x_4 y_2 + x_1 y_2 y_4 + x_2 x_4 y_1 - x_2 y_1 y_4 +$$
$$x_4 y_1 y_2 + y_1 y_2 y_4) - b^r_{-2,0,2,0,0,0,0,0,0,2,0}(x_1 x_2 x_5 - x_1 x_2 y_5 - x_1 x_5 y_2 - x_1 y_2 y_5 + x_2 x_5 y_1 + x_2 y_1 y_5 +$$
$$x_5 y_1 y_2 - y_1 y_2 y_5)(x_1 x_2 x_5 + x_1 x_2 y_5 + x_1 x_5 y_2 - x_1 y_2 y_5 - x_2 x_5 y_1 + x_2 y_1 y_5 + x_5 y_1 y_2 +$$
$$y_1 y_2 y_5) - b^r_{-2,0,4,0,0,0,0,0,0,0,0}(x_1 x_2^2 - 2x_1 x_2 y_2 - x_1 y_2^2 + x_2^2 y_1 + 2x_2 y_1 y_2 - y_1 y_2^2)(x_1 x_2^2 +$$
$$2x_1 x_2 y_2 - x_1 y_2^2 - x_2^2 y_1 + 2x_2 y_1 y_2 + y_1 y_2^2) - b^r_{-2,1,-2,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_2 - x_1 y_2 - x_2 y_1 -$$
$$y_1 y_2)(x_1 x_2 + x_1 y_2 + x_2 y_1 - y_1 y_2) - b^r_{-2,1,0,0,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_1 x_5 - x_1 y_5 - x_5 y_1 - y_1 y_5)(x_1 x_5 +$$
$$x_1 y_5 + x_5 y_1 - y_1 y_5) - b^r_{-2,1,0,0,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_1 x_4 - x_1 y_4 + x_4 y_1 + y_1 y_4)(x_1 x_4 + x_1 y_4 - x_4 y_1 +$$
$$y_1 y_4) - b^r_{-2,1,0,0,2,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1 x_3 - x_1 y_3 + x_3 y_1 + y_1 y_3)(x_1 x_3 + x_1 y_3 - x_3 y_1 + y_1 y_3) -$$
$$b^r_{-3,0,-1,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) - b^r_{-3,0,-1,0,0,0,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) - b^r_{-3,0,-1,0,0,1,0,0,0,0,0}(x_3^2 + y_3^2)(x_1^3 x_2 -$$
$$3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) - b^r_{-3,0,-1,1,0,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 +$$
$$y_1^3 y_2) - b^r_{-3,0,0,0,-1,0,1,0,-1,0}(x_1^3 x_3 x_4 x_5 + x_1^3 x_3 y_4 y_5 - x_1^3 x_4 y_3 y_5 + x_1^3 x_5 y_3 y_4 -$$
$$3x_1^2 x_3 x_4 y_1 y_5 + 3x_1^2 x_3 x_5 y_1 y_4 - 3x_1^2 x_4 x_5 y_1 y_3 - 3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 -$$
$$3x_1 x_3 y_1^2 y_4 y_5 + 3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^3 y_5 - x_3 x_5 y_1^3 y_4 +$$
$$x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) - b^r_{-3,0,0,0,0,1,0,-1,0,-1,0}(x_1^3 x_3 x_4 x_5 - x_1^3 x_3 y_4 y_5 + x_1^3 x_4 y_3 y_5 +$$
$$x_1^3 x_5 y_3 y_4 - 3x_1^2 x_3 x_4 y_1 y_5 - 3x_1^2 x_3 x_5 y_1 y_4 + 3x_1^2 x_4 x_5 y_1 y_3 - 3x_1^2 y_1 y_3 y_4 y_5 -$$
$$3x_1 x_3 x_4 x_5 y_1^2 + 3x_1 x_3 y_1^2 y_4 y_5 - 3x_1 x_4 y_1^2 y_3 y_5 - 3x_1 x_5 y_1^2 y_3 y_4 + x_3 x_4 y_1^3 y_5 +$$
$$x_3 x_5 y_1^3 y_4 - x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) - b^r_{-3,0,0,0,0,1,0,1,0,1,0}(x_1^3 x_3 x_4 x_5 - x_1^3 x_3 y_4 y_5 -$$
$$x_1^3 x_4 y_3 y_5 - x_1^3 x_5 y_3 y_4 + 3x_1^2 x_3 x_4 y_1 y_5 + 3x_1^2 x_3 x_5 y_1 y_4 + 3x_1^2 x_4 x_5 y_1 y_3 -$$
$$3x_1^2 y_1 y_3 y_4 y_5 - 3x_1 x_3 x_4 x_5 y_1^2 + 3x_1 x_3 y_1^2 y_4 y_5 + 3x_1 x_4 y_1^2 y_3 y_5 + 3x_1 x_5 y_1^2 y_3 y_4 -$$
$$x_3 x_4 y_1^3 y_5 - x_3 x_5 y_1^3 y_4 - x_4 x_5 y_1^3 y_3 + y_1^3 y_3 y_4 y_5) - b^r_{-3,0,1,0,0,0,0,0,0,-2,0}(x_1^3 x_2 x_5^2 -$$
$$x_1^3 x_2 y_5^2 + 2x_1^3 x_5 y_2 y_5 - 6x_1^2 x_2 x_5 y_1 y_5 + 3x_1^2 x_5^2 y_1 y_2 - 3x_1^2 y_1 y_2 y_5^2 -$$
$$3x_1 x_2 x_5^2 y_1^2 + 3x_1 x_2 y_1^2 y_5^2 - 6x_1 x_5 y_1^2 y_2 y_5 + 2x_2 x_5 y_1^3 y_5 - x_5^2 y_1^3 y_2 + y_1^3 y_2 y_5^2) -$$
$$b^r_{-3,0,1,0,0,0,2,0,0,0}(x_1^3 x_2 x_4^2 - x_1^3 x_2 y_4^2 - 2x_1^3 x_4 y_2 y_4 + 6x_1^2 x_2 x_4 y_1 y_4 + 3x_1^2 x_4^2 y_1 y_2 -$$
$$3x_1^2 y_1 y_2 y_4^2 - 3x_1 x_2 x_4^2 y_1^2 + 3x_1 x_2 y_1^2 y_4^2 + 6x_1 x_4 y_1^2 y_2 y_4 - 2x_2 x_4 y_1^3 y_4 -$$
$$x_4^2 y_1^3 y_2 + y_1^3 y_2 y_4^2) - b^r_{-3,0,1,0,2,0,0,0,0,0}(x_1^3 x_2 x_3^2 - x_1^3 x_2 y_3^2 - 2x_1^3 x_3 y_2 y_3 +$$
$$6x_1^2 x_2 x_3 y_1 y_3 + 3x_1^2 x_3^2 y_1 y_2 - 3x_1^2 y_1 y_2 y_3^2 - 3x_1 x_2 x_3^2 y_1^2 + 3x_1 x_2 y_1^2 y_3^2 +$$
$$6x_1 x_3 y_1^2 y_2 y_3 - 2x_2 x_3 y_1^3 y_3 - x_3^2 y_1^3 y_2 + y_1^3 y_2 y_3^2) - b^r_{-3,1,-1,0,0,0,0,0,0,0,0}(x_1^2 +$$
$$y_1^2)(x_1^3 x_2 - 3x_1^2 y_1 y_2 - 3x_1 x_2 y_1^2 + y_1^3 y_2) - b^r_{-4,0,0,0,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^2 - 2x_1 y_1 -$$
$$y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) - b^r_{-4,0,0,0,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) -$$
$$b^r_{-4,0,0,0,0,1,0,0,0,0,0}(x_3^2 + y_3^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) - b^r_{-4,0,0,1,0,0,0,0,0,0,0}(x_2^2 +$$
$$y_2^2)(x_1^2 - 2x_1 y_1 - y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) - b^r_{-4,1,0,0,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^2 - 2x_1 y_1 -$$
$$y_1^2)(x_1^2 + 2x_1 y_1 - y_1^2) - b^r_{-5,0,1,0,0,0,0,0,0,0,0}(x_1^5 x_2 + 5x_1^4 y_1 y_2 - 10x_1^3 x_2 y_1^2 - 10x_1^2 y_1^3 y_2 +$$
$$5x_1 x_2 y_1^4 + y_1^5 y_2) - b^r_{0,0,-1,0,-1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 -$$
$$x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) - b^r_{0,0,-1,0,-1,0,-1,1,1,0}(x_4^2 +$$
$$y_4^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 -$$

$$y_2y_3y_4y_5) - b^r_{0,0,-1,0,-1,0,-3,0,-1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 -$$
$$x_2x_4^3y_3y_5 - 3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 -$$
$$3x_3x_4^2x_5y_2y_4 + 3x_3x_4y_2y_4^2y_5 + x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 +$$
$$3x_4x_5y_2y_3y_4^2 - y_2y_3y_4^3y_5) - b^r_{0,0,-1,0,-1,0,1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 +$$
$$3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 -$$
$$3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 - 3x_3x_5y_2y_4y_5^2 -$$
$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 - 3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) - b^r_{0,0,-1,0,-1,0,1,0,3,0}(x_2x_3x_4x_5^3 -$$
$$3x_2x_3x_4x_5y_5^2 - 3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 + 3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 +$$
$$x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 + x_3x_5^3y_2y_4 -$$
$$3x_3x_5y_2y_4y_5^2 - x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) -$$
$$b^r_{0,0,-1,0,-1,0,3,0,-1,0}(x_2x_3x_4^3x_5 + 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 +$$
$$3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 - x_2x_5y_3y_4^3 - x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 +$$
$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 +$$
$$y_2y_3y_4^3y_5) - b^r_{0,0,-1,0,-1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 +$$
$$x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,-1,0,-3,0,-1,0,-1,0}(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 -$$
$$3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 +$$
$$x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 +$$
$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5) - b^r_{0,0,-1,0,-3,0,1,0,1,0}(x_2x_3^3x_4x_5 -$$
$$x_2x_3^3y_4y_5 + 3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 -$$
$$x_2x_4y_3^3y_5 - x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 + x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 -$$
$$3x_3x_4y_2y_3^2y_5 - 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 - y_2y_3^3y_4y_5) -$$
$$b^r_{0,0,-1,0,1,0,-1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 - 3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 +$$
$$3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 - 3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 +$$
$$x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 + x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 -$$
$$3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) - b^r_{0,0,-1,0,1,0,-1,0,3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 +$$
$$3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 + x_2x_5^3y_3y_4 -$$
$$3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 - x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 +$$
$$x_4x_5^3y_2y_3 - 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) - b^r_{0,0,-1,0,1,0,-3,0,1,0}(x_2x_3x_4^3x_5 +$$
$$3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 + 3x_2x_4^2x_5y_3y_4 +$$
$$3x_2x_4y_3y_4^2y_5 - x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5 +$$
$$x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 - y_2y_3y_4^3y_5) -$$
$$b^r_{0,0,-1,0,1,0,1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$
$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) - b^r_{0,0,-1,0,1,0,1,1,-1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$
$$x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) -$$
$$b^r_{0,0,-1,0,1,0,3,0,1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 - x_2x_4^3y_3y_5 -$$
$$3x_2x_4^2x_5y_3y_4 + 3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 -$$
$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 + x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 - 3x_4x_5y_2y_3y_4^2 +$$
$$y_2y_3y_4^3y_5) - b^r_{0,0,-1,0,1,1,1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 -$$
$$x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) - b^r_{0,0,-1,0,3,0,-1,0,-1,0}(x_2x_3^3x_4x_5 - x_2x_3^3y_4y_5 +$$
$$3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 + 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5 -$$
$$x_2x_5y_3^3y_4 - x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 + 3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 +$$
$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 + y_2y_3^3y_4y_5) - b^r_{0,0,-1,0,3,0,1,0,1,0}(x_2x_3^3x_4x_5 -$$

$$x_2 x_3^3 y_4 y_5 - 3x_2 x_3^2 x_4 y_3 y_5 - 3x_2 x_3^2 x_5 y_3 y_4 - 3x_2 x_3 x_4 x_5 y_3^2 + 3x_2 x_3 y_3^2 y_4 y_5 +$$
$$x_2 x_4 y_3^3 y_5 + x_2 x_5 y_3^3 y_4 + x_3^3 x_4 y_2 y_5 + x_3^3 x_5 y_2 y_4 + 3x_3^2 x_4 x_5 y_2 y_3 - 3x_3^2 y_2 y_3 y_4 y_5 -$$
$$3x_3 x_4 y_2 y_3^2 y_5 - 3x_3 x_5 y_2 y_3^2 y_4 - x_4 x_5 y_2 y_3^3 + y_2 y_3^3 y_4 y_5) - b^r_{0,0,-1,1,-1,0,-1,0,1,0}(x_2^2 +$$
$$y_2^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 -$$
$$y_2 y_3 y_4 y_5) - b^r_{0,0,-1,1,1,0,1,0,-1,0}(x_2^2 + y_2^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 + x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 -$$
$$x_3 x_4 y_2 y_5 + x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 + y_2 y_3 y_4 y_5) - b^r_{0,0,-2,0,-2,0,-2,0,0,0}(x_2 x_3 x_4 - x_2 x_3 y_4 - x_2 x_4 y_3 -$$
$$x_2 y_3 y_4 - x_3 x_4 y_2 - x_3 y_2 y_4 - x_4 y_2 y_3 + y_2 y_3 y_4)(x_2 x_3 x_4 + x_2 x_3 y_4 + x_2 x_4 y_3 - x_2 y_3 y_4 +$$
$$x_3 x_4 y_2 - x_3 y_2 y_4 - x_4 y_2 y_3 - y_2 y_3 y_4) - b^r_{0,0,-2,0,-2,0,0,0,2,0}(x_2 x_3 x_5 - x_2 x_3 y_5 + x_2 x_5 y_3 + x_2 y_3 y_5 +$$
$$x_3 x_5 y_2 + x_3 y_2 y_5 - x_5 y_2 y_3 + y_2 y_3 y_5)(x_2 x_3 x_5 + x_2 x_3 y_5 - x_2 x_5 y_3 + x_2 y_3 y_5 - x_3 x_5 y_2 +$$
$$x_3 y_2 y_5 - x_5 y_2 y_3 - y_2 y_3 y_5) - b^r_{0,0,-2,0,-4,0,0,0,0,0}(x_2 x_3^2 - 2x_2 x_3 y_3 - x_2 y_3^2 - x_3^2 y_2 - 2x_3 y_2 y_3 +$$
$$y_2 y_3^2)(x_2 x_3^2 + 2x_2 x_3 y_3 - x_2 y_3^2 + x_3^2 y_2 - 2x_3 y_2 y_3 - y_2 y_3^2) - b^r_{0,0,-2,0,0,0,-2,0,2,0}(x_2 x_4 x_5 -$$
$$x_2 x_4 y_5 + x_2 x_5 y_4 + x_2 y_4 y_5 + x_4 x_5 y_2 + x_4 y_2 y_5 - x_5 y_2 y_4 + y_2 y_4 y_5)(x_2 x_4 x_5 + x_2 x_4 y_5 -$$
$$x_2 x_5 y_4 + x_2 y_4 y_5 - x_4 x_5 y_2 + x_4 y_2 y_5 - x_5 y_2 y_4 - y_2 y_4 y_5) - b^r_{0,0,-2,0,0,0,-4,0,0,0}(x_2 x_4^2 - 2x_2 x_4 y_4 -$$
$$x_2 y_4^2 - x_4^2 y_2 - 2x_4 y_2 y_4 + y_2 y_4^2)(x_2 x_4^2 + 2x_2 x_4 y_4 - x_2 y_4^2 + x_4^2 y_2 - 2x_4 y_2 y_4 - y_2 y_4^2) -$$
$$b^r_{0,0,-2,0,0,0,0,0,-2,1}(x_5^2 + y_5^2)(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5)(x_2 x_5 + x_2 y_5 + x_5 y_2 - y_2 y_5) -$$
$$b^r_{0,0,-2,0,0,0,0,0,4,0}(x_2 x_5^2 - 2x_2 x_5 y_5 - x_2 y_5^2 + x_5^2 y_2 + 2x_5 y_2 y_5 - y_2 y_5^2)(x_2 x_5^2 + 2x_2 x_5 y_5 -$$
$$x_2 y_5^2 - x_5^2 y_2 + 2x_5 y_2 y_5 + y_2 y_5^2) - b^r_{0,0,-2,0,0,0,0,1,-2,0}(x_4^2 + y_4^2)(x_2 x_5 - x_2 y_5 - x_5 y_2 -$$
$$y_2 y_5)(x_2 x_5 + x_2 y_5 + x_5 y_2 - y_2 y_5) - b^r_{0,0,-2,0,0,0,2,0,0,1}(x_5^2 + y_5^2)(x_2 x_4 - x_2 y_4 + x_4 y_2 + y_2 y_4)(x_2 x_4 +$$
$$x_2 y_4 - x_4 y_2 + y_2 y_4) - b^r_{0,0,-2,0,0,0,2,1,0,0}(x_4^2 + y_4^2)(x_2 x_4 - x_2 y_4 + x_4 y_2 + y_2 y_4)(x_2 x_4 + x_2 y_4 - x_4 y_2 +$$
$$y_2 y_4) - b^r_{0,0,-2,0,0,1,0,0,-2,0}(x_3^2 + y_3^2)(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5)(x_2 x_5 + x_2 y_5 + x_5 y_2 - y_2 y_5) -$$
$$b^r_{0,0,-2,0,0,1,2,0,0,0}(x_3^2 + y_3^2)(x_2 x_4 - x_2 y_4 + x_4 y_2 + y_2 y_4)(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4) -$$
$$b^r_{0,0,-2,0,2,0,0,0,0,1}(x_5^2 + y_5^2)(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3)(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3) -$$
$$b^r_{0,0,-2,0,2,0,0,1,0,0}(x_4^2 + y_4^2)(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3)(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3) -$$
$$b^r_{0,0,-2,0,2,1,0,0,0,0}(x_3^2 + y_3^2)(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3)(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3) -$$
$$b^r_{0,0,-2,1,0,0,0,0,-2,0}(x_2^2 + y_2^2)(x_2 x_5 - x_2 y_5 - x_5 y_2 - y_2 y_5)(x_2 x_5 + x_2 y_5 + x_5 y_2 - y_2 y_5) -$$
$$b^r_{0,0,-2,1,0,0,2,0,0,0}(x_2^2 + y_2^2)(x_2 x_4 - x_2 y_4 + x_4 y_2 + y_2 y_4)(x_2 x_4 + x_2 y_4 - x_4 y_2 + y_2 y_4) -$$
$$b^r_{0,0,-2,1,2,0,0,0,0,0}(x_2^2 + y_2^2)(x_2 x_3 - x_2 y_3 + x_3 y_2 + y_2 y_3)(x_2 x_3 + x_2 y_3 - x_3 y_2 + y_2 y_3) -$$
$$b^r_{0,0,-3,0,-1,0,1,0,-1,0}(x_2^3 x_3 x_4 x_5 + x_2^3 x_3 y_4 y_5 - x_2^3 x_4 y_3 y_5 + x_2^3 x_5 y_3 y_4 - 3x_2^2 x_3 x_4 y_2 y_5 +$$
$$3x_2^2 x_3 x_5 y_2 y_4 - 3x_2^2 x_4 x_5 y_2 y_3 - 3x_2^2 y_2 y_3 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_2^2 - 3x_2 x_3 y_2^2 y_4 y_5 +$$
$$3x_2 x_4 y_2^2 y_3 y_5 - 3x_2 x_5 y_2^2 y_3 y_4 + x_3 x_4 y_2^3 y_5 - x_3 x_5 y_2^3 y_4 + x_4 x_5 y_2^3 y_3 + y_2^3 y_3 y_4 y_5) -$$
$$b^r_{0,0,-3,0,1,0,-1,0,-1,0}(x_2^3 x_3 x_4 x_5 - x_2^3 x_3 y_4 y_5 + x_2^3 x_4 y_3 y_5 + x_2^3 x_5 y_3 y_4 - 3x_2^2 x_3 x_4 y_2 y_5 -$$
$$3x_2^2 x_3 x_5 y_2 y_4 + 3x_2^2 x_4 x_5 y_2 y_3 - 3x_2^2 y_2 y_3 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_2^2 + 3x_2 x_3 y_2^2 y_4 y_5 -$$
$$3x_2 x_4 y_2^2 y_3 y_5 - 3x_2 x_5 y_2^2 y_3 y_4 + x_3 x_4 y_2^3 y_5 + x_3 x_5 y_2^3 y_4 - x_4 x_5 y_2^3 y_3 + y_2^3 y_3 y_4 y_5) -$$
$$b^r_{0,0,-3,0,1,0,1,0,1,0}(x_2^3 x_3 x_4 x_5 - x_2^3 x_3 y_4 y_5 - x_2^3 x_4 y_3 y_5 - x_2^3 x_5 y_3 y_4 + 3x_2^2 x_3 x_4 y_2 y_5 +$$
$$3x_2^2 x_3 x_5 y_2 y_4 + 3x_2^2 x_4 x_5 y_2 y_3 - 3x_2^2 y_2 y_3 y_4 y_5 - 3x_2 x_3 x_4 x_5 y_2^2 + 3x_2 x_3 y_2^2 y_4 y_5 +$$
$$3x_2 x_4 y_2^2 y_3 y_5 + 3x_2 x_5 y_2^2 y_3 y_4 - x_3 x_4 y_2^3 y_5 - x_3 x_5 y_2^3 y_4 - x_4 x_5 y_2^3 y_3 + y_2^3 y_3 y_4 y_5) -$$
$$b^r_{0,0,-4,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_2^2 - 2x_2 y_2 - y_2^2)(x_2^2 + 2x_2 y_2 - y_2^2) - b^r_{0,0,-4,0,0,0,0,1,0,0}(x_4^2 +$$
$$y_4^2)(x_2^2 - 2x_2 y_2 - y_2^2)(x_2^2 + 2x_2 y_2 - y_2^2) - b^r_{0,0,-4,0,0,1,0,0,0,0}(x_3^2 + y_3^2)(x_2^2 - 2x_2 y_2 -$$
$$y_2^2)(x_2^2 + 2x_2 y_2 - y_2^2) - b^r_{0,0,-4,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_2^2 - 2x_2 y_2 - y_2^2)(x_2^2 + 2x_2 y_2 - y_2^2) -$$
$$b^r_{0,0,0,0,-2,0,-2,0,-2,0}(x_3 x_4 x_5 - x_3 x_4 y_5 - x_3 x_5 y_4 - x_3 y_4 y_5 - x_4 x_5 y_3 - x_4 y_3 y_5 - x_5 y_3 y_4 +$$
$$y_3 y_4 y_5)(x_3 x_4 x_5 + x_3 x_4 y_5 + x_3 x_5 y_4 - x_3 y_4 y_5 + x_4 x_5 y_3 - x_4 y_3 y_5 - x_5 y_3 y_4 - y_3 y_4 y_5) -$$
$$b^r_{0,0,0,0,-2,0,0,0,0,2}(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2)^2 - b^r_{0,0,0,0,-2,0,0,1,0,1}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) - b^r_{0,0,0,0,-2,0,0,2,0,0}(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2)^2 - b^r_{0,0,0,0,-2,0,2,0,2,0}(x_3x_4x_5 - x_3x_4y_5 - x_3x_5y_4 -$$

$$x_3y_4y_5 + x_4x_5y_3 + x_4y_3y_5 + x_5y_3y_4 - y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 + x_3x_5y_4 - x_3y_4y_5 -$$

$$x_4x_5y_3 + x_4y_3y_5 + x_5y_3y_4 + y_3y_4y_5) - b^r_{0,0,0,0,-2,1,0,0,0,1}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2)(x_5^2 + y_5^2) -$$

$$b^r_{0,0,0,0,-2,1,0,1,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2)(x_4^2 + y_4^2) - b^r_{0,0,0,0,-2,2,0,0,0,0}(x_3 - y_3)(x_3 + y_3)(x_3^2 +$$

$$y_3^2)^2 - b^r_{0,0,0,0,-4,0,0,0,-2,0}(x_3^2x_5 - x_3^2y_5 - 2x_3x_5y_3 - 2x_3y_3y_5 - x_5y_3^2 + y_3^2y_5)(x_3^2x_5 +$$

$$x_3^2y_5 + 2x_3x_5y_3 - 2x_3y_3y_5 - x_5y_3^2 - y_3^2y_5) - b^r_{0,0,0,0,-4,0,2,0,0,0}(x_3^2x_4 - x_3^2y_4 + 2x_3x_4y_3 +$$

$$2x_3y_3y_4 - x_4y_3^2 + y_3^2y_4)(x_3^2x_4 + x_3^2y_4 - 2x_3x_4y_3 + 2x_3y_3y_4 - x_4y_3^2 - y_3^2y_4) -$$

$$b^r_{0,0,0,0,0,0,-2,0,0,2}(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2)^2 - b^r_{0,0,0,0,0,0,-2,1,0,1}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) - b^r_{0,0,0,0,0,0,-2,2,0,0}(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2)^2 - b^r_{0,0,0,0,0,0,-4,0,-2,0}(x_4^2x_5 - x_4^2y_5 - 2x_4x_5y_4 -$$

$$2x_4y_4y_5 - x_5y_4^2 + y_4^2y_5)(x_4^2x_5 + x_4^2y_5 + 2x_4x_5y_4 - 2x_4y_4y_5 - x_5y_4^2 - y_4^2y_5) -$$

$$b^r_{0,0,0,0,0,0,0,0,-4,1}(x_5^2 + y_5^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) - b^r_{0,0,0,0,0,0,0,0,2,2}(x_5 - y_5)(x_5 +$$

$$y_5)(x_5^2 + y_5^2)^2 - b^r_{0,0,0,0,0,0,0,1,-4,0}(x_4^2 + y_4^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) -$$

$$b^r_{0,0,0,0,0,0,0,1,2,1}(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) - b^r_{0,0,0,0,0,0,0,2,2,0}(x_4^2 + y_4^2)^2(x_5 - y_5)(x_5 +$$

$$y_5) - b^r_{0,0,0,0,0,0,2,0,-2,1}(x_5^2 + y_5^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) -$$

$$b^r_{0,0,0,0,0,0,2,0,4,0}(x_4x_5^2 - 2x_4x_5y_5 - x_4y_5^2 - x_5^2y_4 - 2x_5y_4y_5 + y_4y_5^2)(x_4x_5^2 + 2x_4x_5y_5 -$$

$$x_4y_5^2 + x_5^2y_4 - 2x_5y_4y_5 - y_4y_5^2) - b^r_{0,0,0,0,0,0,2,1,-2,0}(x_4^2 + y_4^2)(x_4x_5 - x_4y_5 + x_5y_4 +$$

$$y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) - b^r_{0,0,0,0,0,0,4,0,0,1}(x_5^2 + y_5^2)(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 -$$

$$y_4^2) - b^r_{0,0,0,0,0,0,4,1,0,0}(x_4^2 + y_4^2)(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) - b^r_{0,0,0,0,0,1,-2,0,0,1}(x_3^2 +$$

$$y_3^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) - b^r_{0,0,0,0,0,1,-2,1,0,0}(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) -$$

$$b^r_{0,0,0,0,0,1,0,0,-4,0}(x_3^2 + y_3^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) - b^r_{0,0,0,0,0,1,0,0,2,1}(x_3^2 + y_3^2)(x_5 -$$

$$y_5)(x_5 + y_5)(x_5^2 + y_5^2) - b^r_{0,0,0,0,0,1,0,1,2,0}(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) -$$

$$b^r_{0,0,0,0,0,1,2,0,-2,0}(x_3^2 + y_3^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) -$$

$$b^r_{0,0,0,0,0,1,4,0,0,0}(x_3^2 + y_3^2)(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) - b^r_{0,0,0,0,0,2,-2,0,0,0}(x_3^2 +$$

$$y_3^2)^2(x_4 - y_4)(x_4 + y_4) - b^r_{0,0,0,0,0,2,0,0,0,2,0}(x_3^2 + y_3^2)^2(x_5 - y_5)(x_5 + y_5) - b^r_{0,0,0,0,2,0,-2,0,2,0}(x_3x_4x_5 -$$

$$x_3x_4y_5 + x_3x_5y_4 + x_3y_4y_5 - x_4x_5y_3 - x_4y_3y_5 + x_5y_3y_4 - y_3y_4y_5)(x_3x_4x_5 + x_3x_4y_5 -$$

$$x_3x_5y_4 + x_3y_4y_5 + x_4x_5y_3 - x_4y_3y_5 + x_5y_3y_4 + y_3y_4y_5) - b^r_{0,0,0,0,2,0,-4,0,0,0}(x_3x_4^2 - 2x_3x_4y_4 -$$

$$x_3y_4^2 + x_4^2y_3 + 2x_4y_3y_4 - y_3y_4^2)(x_3x_4^2 + 2x_3x_4y_4 - x_3y_4^2 - x_4^2y_3 + 2x_4y_3y_4 + y_3y_4^2) -$$

$$b^r_{0,0,0,0,2,0,0,0,-2,1}(x_5^2 + y_5^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) -$$

$$b^r_{0,0,0,0,2,0,0,0,4,0}(x_3x_5^2 - 2x_3x_5y_5 - x_3y_5^2 - x_5^2y_3 - 2x_5y_3y_5 + y_3y_5^2)(x_3x_5^2 + 2x_3x_5y_5 -$$

$$x_3y_5^2 + x_5^2y_3 - 2x_5y_3y_5 - y_3y_5^2) - b^r_{0,0,0,0,2,0,0,1,-2,0}(x_4^2 + y_4^2)(x_3x_5 - x_3y_5 + x_5y_3 +$$

$$y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) - b^r_{0,0,0,0,2,0,2,0,0,1}(x_5^2 + y_5^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 +$$

$$x_3y_4 + x_4y_3 - y_3y_4) - b^r_{0,0,0,0,2,0,2,1,0,0}(x_4^2 + y_4^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 -$$

$$y_3y_4) - b^r_{0,0,0,0,2,1,0,0,-2,0}(x_3^2 + y_3^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) -$$

$$b^r_{0,0,0,0,2,1,2,0,0,0}(x_3^2 + y_3^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) -$$

$$b^r_{0,0,0,0,4,0,0,0,0,1}(x_5^2 + y_5^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - b^r_{0,0,0,0,4,0,0,1,0,0}(x_4^2 +$$

$$y_4^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - b^r_{0,0,0,0,4,1,0,0,0,0}(x_3^2 + y_3^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 +$$

$$2x_3y_3 - y_3^2) - b^r_{0,0,0,1,-2,0,0,0,0,1}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) - b^r_{0,0,0,1,-2,0,0,1,0,0}(x_2^2 +$$

$$y_2^2)(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) - b^r_{0,0,0,1,-2,1,0,0,0,0}(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) -$$

$$b^r_{0,0,0,1,0,0,-2,0,0,1}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 + y_4)(x_5^2 + y_5^2) - b^r_{0,0,0,1,0,0,-2,1,0,0}(x_2^2 + y_2^2)(x_4 - y_4)(x_4 +$$

$$y_4)(x_4^2 + y_4^2) - b^r_{0,0,0,1,0,0,0,0,-4,0}(x_2^2 + y_2^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) -$$

$$b^r_{0,0,0,1,0,0,0,0,2,1}(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 + y_5^2) - b^r_{0,0,0,1,0,0,0,1,2,0}(x_2^2 + y_2^2)(x_4^2 + y_4^2)(x_5 -$$

$$y_5)(x_5 + y_5) - b^r_{0,0,0,1,0,0,2,0,-2,0}(x_2^2 + y_2^2)(x_4x_5 - x_4y_5 + x_5y_4 + y_4y_5)(x_4x_5 + x_4y_5 - x_5y_4 + y_4y_5) -$$

$$b^r_{0,0,0,1,0,0,4,0,0,0}(x_2^2 + y_2^2)(x_4^2 - 2x_4y_4 - y_4^2)(x_4^2 + 2x_4y_4 - y_4^2) - b^r_{0,0,0,1,0,1,-2,0,0,0}(x_2^2 +$$
$$y_2^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) - b^r_{0,0,0,1,0,1,0,0,2,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) -$$
$$b^r_{0,0,0,1,2,0,0,0,-2,0}(x_2^2 + y_2^2)(x_3x_5 - x_3y_5 + x_5y_3 + y_3y_5)(x_3x_5 + x_3y_5 - x_5y_3 + y_3y_5) -$$
$$b^r_{0,0,0,1,2,0,2,0,0,0}(x_2^2 + y_2^2)(x_3x_4 - x_3y_4 - x_4y_3 - y_3y_4)(x_3x_4 + x_3y_4 + x_4y_3 - y_3y_4) -$$
$$b^r_{0,0,0,1,4,0,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 - 2x_3y_3 - y_3^2)(x_3^2 + 2x_3y_3 - y_3^2) - b^r_{0,0,0,2,-2,0,0,0,0,0}(x_2^2 +$$
$$y_2^2)^2(x_3 - y_3)(x_3 + y_3) - b^r_{0,0,0,2,0,0,-2,0,0,0}(x_2^2 + y_2^2)^2(x_4 - y_4)(x_4 + y_4) - b^r_{0,0,0,2,0,0,0,0,2,0}(x_2^2 +$$
$$y_2^2)^2(x_5 - y_5)(x_5 + y_5) - b^r_{0,0,1,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 -$$
$$x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,1,0,-1,0,-1,1,-1,0}(x_4^2 +$$
$$y_4^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 -$$
$$y_2y_3y_4y_5) - b^r_{0,0,1,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 -$$
$$x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,1,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 -$$
$$x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) -$$
$$b^r_{0,0,1,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 +$$
$$x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,1,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 +$$
$$x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) -$$
$$b^r_{0,0,1,0,-3,0,1,0,-1,0}(x_2x_3^3x_4x_5 + x_2x_3^3y_4y_5 - 3x_2x_3^2x_4y_3y_5 + 3x_2x_3^2x_5y_3y_4 -$$
$$3x_2x_3x_4x_5y_3^2 - 3x_2x_3y_3^2y_4y_5 + x_2x_4y_3^3y_5 - x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 +$$
$$3x_3^2x_4x_5y_2y_3 + 3x_3^2y_2y_3y_4y_5 - 3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 - x_4x_5y_2y_3^3 -$$
$$y_2y_3^3y_4y_5) - b^r_{0,0,1,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 -$$
$$x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,1,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_2x_3x_4x_5 +$$
$$x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) -$$
$$b^r_{0,0,1,0,1,0,-3,0,-1,0}(x_2x_3x_4^3x_5 - 3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 + x_2x_3y_4^3y_5 + x_2x_4^3y_3y_5 +$$
$$3x_2x_4^2x_5y_3y_4 - 3x_2x_4y_3y_4^2y_5 - x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 + 3x_3x_4^2x_5y_2y_4 -$$
$$3x_3x_4y_2y_4^2y_5 - x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 + 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 -$$
$$y_2y_3y_4^3y_5) - b^r_{0,0,1,0,1,0,1,0,-3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 + 3x_2x_3x_5^2y_4y_5 - x_2x_3y_4y_5^3 +$$
$$3x_2x_4x_5^2y_3y_5 - x_2x_4y_3y_5^3 - x_2x_5^3y_3y_4 + 3x_2x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_2y_5 -$$
$$x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 - x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 -$$
$$3x_5^2y_2y_3y_4y_5 + y_2y_3y_4y_5^3) - b^r_{0,0,1,0,1,0,1,0,3,0}(x_2x_3x_4x_5^3 - 3x_2x_3x_4x_5y_5^2 -$$
$$3x_2x_3x_5^2y_4y_5 + x_2x_3y_4y_5^3 - 3x_2x_4x_5^2y_3y_5 + x_2x_4y_3y_5^3 - x_2x_5^3y_3y_4 +$$
$$3x_2x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_2y_5 + x_3x_4y_2y_5^3 - x_3x_5^3y_2y_4 + 3x_3x_5y_2y_4y_5^2 -$$
$$x_4x_5^3y_2y_3 + 3x_4x_5y_2y_3y_5^2 + 3x_5^2y_2y_3y_4y_5 - y_2y_3y_4y_5^3) - b^r_{0,0,1,0,1,0,3,0,-1,0}(x_2x_3x_4^3x_5 +$$
$$3x_2x_3x_4^2y_4y_5 - 3x_2x_3x_4x_5y_4^2 - x_2x_3y_4^3y_5 + x_2x_4^3y_3y_5 - 3x_2x_4^2x_5y_3y_4 -$$
$$3x_2x_4y_3y_4^2y_5 + x_2x_5y_3y_4^3 + x_3x_4^3y_2y_5 - 3x_3x_4^2x_5y_2y_4 - 3x_3x_4y_2y_4^2y_5 +$$
$$x_3x_5y_2y_4^3 - x_4^3x_5y_2y_3 - 3x_4^2y_2y_3y_4y_5 + 3x_4x_5y_2y_3y_4^2 + y_2y_3y_4^3y_5) -$$
$$b^r_{0,0,1,0,1,1,-1,0,1,0}(x_3^2 + y_3^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$
$$x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,1,0,3,0,1,0,-1,0}(x_2x_3^3x_4x_5 + x_2x_3^3y_4y_5 +$$
$$3x_2x_3^2x_4y_3y_5 - 3x_2x_3^2x_5y_3y_4 - 3x_2x_3x_4x_5y_3^2 - 3x_2x_3y_3^2y_4y_5 - x_2x_4y_3^3y_5 +$$
$$x_2x_5y_3^3y_4 + x_3^3x_4y_2y_5 - x_3^3x_5y_2y_4 - 3x_3^2x_4x_5y_2y_3 - 3x_3^2y_2y_3y_4y_5 -$$
$$3x_3x_4y_2y_3^2y_5 + 3x_3x_5y_2y_3^2y_4 + x_4x_5y_2y_3^3 + y_2y_3^3y_4y_5) - b^r_{0,0,1,1,-1,0,-1,0,-1,0}(x_2^2 +$$
$$y_2^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 - x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 + x_3x_5y_2y_4 + x_4x_5y_2y_3 -$$
$$y_2y_3y_4y_5) - b^r_{0,0,1,1,-1,0,1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5 - x_2x_3y_4y_5 + x_2x_4y_3y_5 + x_2x_5y_3y_4 -$$
$$x_3x_4y_2y_5 - x_3x_5y_2y_4 + x_4x_5y_2y_3 - y_2y_3y_4y_5) - b^r_{0,0,1,1,1,0,-1,0,1,0}(x_2^2 + y_2^2)(x_2x_3x_4x_5 +$$

$$x_2x_3y_4y_5 - x_2x_4y_3y_5 + x_2x_5y_3y_4 - x_3x_4y_2y_5 + x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) -$$

$$b^r_{0,0,2,0,-2,0,0,0,-2,0}(x_2x_3x_5 - x_2x_3y_5 - x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 + x_3y_2y_5 + x_5y_2y_3 -$$

$$y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 - x_2y_3y_5 - x_3x_5y_2 + x_3y_2y_5 + x_5y_2y_3 + y_2y_3y_5) -$$

$$b^r_{0,0,2,0,-2,0,2,0,0,0}(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 + x_2y_3y_4 - x_3x_4y_2 - x_3y_2y_4 + x_4y_2y_3 -$$

$$y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 + x_3x_4y_2 - x_3y_2y_4 + x_4y_2y_3 + y_2y_3y_4) -$$

$$b^r_{0,0,2,0,0,0,-2,0,-2,0}(x_2x_4x_5 - x_2x_4y_5 - x_2x_5y_4 - x_2y_4y_5 + x_4x_5y_2 + x_4y_2y_5 + x_5y_2y_4 -$$

$$y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 + x_2x_5y_4 - x_2y_4y_5 - x_4x_5y_2 + x_4y_2y_5 + x_5y_2y_4 + y_2y_4y_5) -$$

$$b^r_{0,0,2,0,0,0,0,0,0,2}(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2)^2 - b^r_{0,0,2,0,0,0,0,1,0,1}(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) - b^r_{0,0,2,0,0,0,0,2,0,0}(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2)^2 - b^r_{0,0,2,0,0,0,2,0,2,0}(x_2x_4x_5 - x_2x_4y_5 - x_2x_5y_4 -$$

$$x_2y_4y_5 - x_4x_5y_2 - x_4y_2y_5 - x_5y_2y_4 + y_2y_4y_5)(x_2x_4x_5 + x_2x_4y_5 + x_2x_5y_4 - x_2y_4y_5 +$$

$$x_4x_5y_2 - x_4y_2y_5 - x_5y_2y_4 - y_2y_4y_5) - b^r_{0,0,2,0,0,1,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2)(x_5^2 + y_5^2) -$$

$$b^r_{0,0,2,0,0,1,0,1,0,0}(x_2 - y_2)(x_2 + y_2)(x_3^2 + y_3^2)(x_4^2 + y_4^2) - b^r_{0,0,2,0,0,2,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_3^2 +$$

$$y_3^2)^2 - b^r_{0,0,2,0,2,0,-2,0,0,0}(x_2x_3x_4 - x_2x_3y_4 + x_2x_4y_3 + x_2y_3y_4 + x_3x_4y_2 + x_3y_2y_4 - x_4y_2y_3 +$$

$$y_2y_3y_4)(x_2x_3x_4 + x_2x_3y_4 - x_2x_4y_3 + x_2y_3y_4 - x_3x_4y_2 + x_3y_2y_4 - x_4y_2y_3 - y_2y_3y_4) -$$

$$b^r_{0,0,2,0,2,0,0,0,0,2,0}(x_2x_3x_5 - x_2x_3y_5 - x_2x_5y_3 - x_2y_3y_5 - x_3x_5y_2 - x_3y_2y_5 - x_5y_2y_3 +$$

$$y_2y_3y_5)(x_2x_3x_5 + x_2x_3y_5 + x_2x_5y_3 - x_2y_3y_5 + x_3x_5y_2 - x_3y_2y_5 - x_5y_2y_3 - y_2y_3y_5) -$$

$$b^r_{0,0,2,1,0,0,0,0,0,1}(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2)(x_5^2 + y_5^2) - b^r_{0,0,2,1,0,0,0,1,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 +$$

$$y_2^2)(x_4^2 + y_4^2) - b^r_{0,0,2,1,0,1,0,0,0,0}(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2)(x_3^2 + y_3^2) - b^r_{0,0,2,2,0,0,0,0,0,0}(x_2 -$$

$$y_2)(x_2 + y_2)(x_2^2 + y_2^2)^2 - b^r_{0,0,3,0,-1,0,1,0,-1,0}(x_2^3x_3x_4x_5 + x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 +$$

$$x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 - 3x_2^2x_3x_5y_2y_4 + 3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 -$$

$$3x_2x_3x_4x_5y_2^2 - 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 - x_3x_4y_2^3y_5 +$$

$$x_3x_5y_2^3y_4 - x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) - b^r_{0,0,3,0,1,0,-1,0,-1,0}(x_2^3x_3x_4x_5 - x_2^3x_3y_4y_5 +$$

$$x_2^3x_4y_3y_5 + x_2^3x_5y_3y_4 + 3x_2^2x_3x_4y_2y_5 + 3x_2^2x_3x_5y_2y_4 - 3x_2^2x_4x_5y_2y_3 +$$

$$3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 - 3x_2x_4y_2^2y_3y_5 - 3x_2x_5y_2^2y_3y_4 -$$

$$x_3x_4y_2^3y_5 - x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) - b^r_{0,0,3,0,1,0,1,0,1,0}(x_2^3x_3x_4x_5 -$$

$$x_2^3x_3y_4y_5 - x_2^3x_4y_3y_5 - x_2^3x_5y_3y_4 - 3x_2^2x_3x_4y_2y_5 - 3x_2^2x_3x_5y_2y_4 -$$

$$3x_2^2x_4x_5y_2y_3 + 3x_2^2y_2y_3y_4y_5 - 3x_2x_3x_4x_5y_2^2 + 3x_2x_3y_2^2y_4y_5 + 3x_2x_4y_2^2y_3y_5 +$$

$$3x_2x_5y_2^2y_3y_4 + x_3x_4y_2^3y_5 + x_3x_5y_2^3y_4 + x_4x_5y_2^3y_3 - y_2^3y_3y_4y_5) -$$

$$b^r_{0,0,4,0,0,0,0,0,-2,0}(x_2^2x_5 - x_2^2y_5 + 2x_2x_5y_2 + 2x_2y_2y_5 - x_5y_2^2 + y_2^2y_5)(x_2^2x_5 + x_2^2y_5 -$$

$$2x_2x_5y_2 + 2x_2y_2y_5 - x_5y_2^2 - y_2^2y_5) - b^r_{0,0,4,0,0,0,2,0,0,0}(x_2^2x_4 - x_2^2y_4 - 2x_2x_4y_2 - 2x_2y_2y_4 -$$

$$x_4y_2^2 + y_2^2y_4)(x_2^2x_4 + x_2^2y_4 + 2x_2x_4y_2 - 2x_2y_2y_4 - x_4y_2^2 - y_2^2y_4) -$$

$$b^r_{0,0,4,0,2,0,0,0,0,0}(x_2^2x_3 - x_2^2y_3 - 2x_2x_3y_2 - 2x_2y_2y_3 - x_3y_2^2 + y_2^2y_3)(x_2^2x_3 + x_2^2y_3 +$$

$$2x_2x_3y_2 - 2x_2y_2y_3 - x_3y_2^2 - y_2^2y_3) - b^r_{0,1,-1,0,-1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 +$$

$$x_2x_4y_3y_5 - x_2x_5y_3y_4 + x_3x_4y_2y_5 - x_3x_5y_2y_4 - x_4x_5y_2y_3 - y_2y_3y_4y_5) -$$

$$b^r_{0,1,-1,0,1,0,1,0,-1,0}(x_1^2 + y_1^2)(x_2x_3x_4x_5 + x_2x_3y_4y_5 + x_2x_4y_3y_5 - x_2x_5y_3y_4 - x_3x_4y_2y_5 +$$

$$x_3x_5y_2y_4 + x_4x_5y_2y_3 + y_2y_3y_4y_5) - b^r_{0,1,-2,0,0,0,0,0,-2,0}(x_1^2 + y_1^2)(x_2x_5 - x_2y_5 - x_5y_2 -$$

$$y_2y_5)(x_2x_5 + x_2y_5 + x_5y_2 - y_2y_5) - b^r_{0,1,-2,0,0,0,2,0,0,0}(x_1^2 + y_1^2)(x_2x_4 - x_2y_4 + x_4y_2 + y_2y_4)(x_2x_4 +$$

$$x_2y_4 - x_4y_2 + y_2y_4) - b^r_{0,1,-2,0,2,0,0,0,0,0}(x_1^2 + y_1^2)(x_2x_3 - x_2y_3 + x_3y_2 + y_2y_3)(x_2x_3 + x_2y_3 - x_3y_2 +$$

$$y_2y_3) - b^r_{0,1,-4,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 - 2x_2y_2 - y_2^2)(x_2^2 + 2x_2y_2 - y_2^2) - b^r_{0,1,0,0,-2,0,0,0,0,1}(x_1^2 +$$

$$y_1^2)(x_3 - y_3)(x_3 + y_3)(x_5^2 + y_5^2) - b^r_{0,1,0,0,-2,0,0,1,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3)(x_4^2 + y_4^2) -$$

$$b^r_{0,1,0,0,-2,1,0,0,0,0}(x_1^2 + y_1^2)(x_3 - y_3)(x_3 + y_3)(x_3^2 + y_3^2) - b^r_{0,1,0,0,0,0,-2,0,0,1}(x_1^2 + y_1^2)(x_4 - y_4)(x_4 +$$

$$y_4)(x_5^2 + y_5^2) - b^r_{0,1,0,0,0,0,-2,1,0,0}(x_1^2 + y_1^2)(x_4 - y_4)(x_4 + y_4)(x_4^2 + y_4^2) - b^r_{0,1,0,0,0,0,0,0,-4,0}(x_1^2 +$$

$$y_1^2)(x_5^2 - 2x_5y_5 - y_5^2)(x_5^2 + 2x_5y_5 - y_5^2) - b^r_{0,1,0,0,0,0,0,0,2,1}(x_1^2 + y_1^2)(x_5 - y_5)(x_5 + y_5)(x_5^2 +$$

$$y_5^2) - b_{0,1,0,0,0,0,0,0,1,2,0}^r (x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_5 - y_5)(x_5 + y_5) - b_{0,1,0,0,0,0,0,2,0,-2,0}^r (x_1^2 + y_1^2)(x_4 x_5 -$$
$$x_4 y_5 + x_5 y_4 + y_4 y_5)(x_4 x_5 + x_4 y_5 - x_5 y_4 + y_4 y_5) - b_{0,1,0,0,0,0,4,0,0,0}^r (x_1^2 + y_1^2)(x_4^2 - 2x_4 y_4 -$$
$$y_4^2)(x_4^2 + 2x_4 y_4 - y_4^2) - b_{0,1,0,0,0,1,-2,0,0,0}^r (x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_4 - y_4)(x_4 + y_4) -$$
$$b_{0,1,0,0,0,1,0,0,2,0}^r (x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_5 - y_5)(x_5 + y_5) - b_{0,1,0,0,2,0,0,0,-2,0}^r (x_1^2 + y_1^2)(x_3 x_5 - x_3 y_5 +$$
$$x_5 y_3 + y_3 y_5)(x_3 x_5 + x_3 y_5 - x_5 y_3 + y_3 y_5) - b_{0,1,0,0,2,0,2,0,0,0}^r (x_1^2 + y_1^2)(x_3 x_4 - x_3 y_4 - x_4 y_3 -$$
$$y_3 y_4)(x_3 x_4 + x_3 y_4 + x_4 y_3 - y_3 y_4) - b_{0,1,0,0,4,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_3^2 - 2x_3 y_3 - y_3^2)(x_3^2 + 2x_3 y_3 -$$
$$y_3^2) - b_{0,1,0,1,-2,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_3 - y_3)(x_3 + y_3) - b_{0,1,0,1,0,0,-2,0,0,0}^r (x_1^2 + y_1^2)(x_2^2 +$$
$$y_2^2)(x_4 - y_4)(x_4 + y_4) - b_{0,1,0,1,0,0,0,0,2,0}^r (x_1^2 + y_1^2)(x_2^2 + y_2^2)(x_5 - y_5)(x_5 + y_5) -$$
$$b_{0,1,1,0,-1,0,-1,0,-1,0}^r (x_1^2 + y_1^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 - x_2 x_5 y_3 y_4 + x_3 x_4 y_2 y_5 +$$
$$x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) - b_{0,1,1,0,-1,0,1,0,1,0}^r (x_1^2 + y_1^2)(x_2 x_3 x_4 x_5 - x_2 x_3 y_4 y_5 +$$
$$x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 - x_3 x_5 y_2 y_4 + x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) -$$
$$b_{0,1,1,0,1,0,-1,0,1,0}^r (x_1^2 + y_1^2)(x_2 x_3 x_4 x_5 + x_2 x_3 y_4 y_5 - x_2 x_4 y_3 y_5 + x_2 x_5 y_3 y_4 - x_3 x_4 y_2 y_5 +$$
$$x_3 x_5 y_2 y_4 - x_4 x_5 y_2 y_3 - y_2 y_3 y_4 y_5) - b_{0,1,2,0,0,0,0,0,0,1}^r (x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_5^2 + y_5^2) -$$
$$b_{0,1,2,0,0,0,0,1,0,0}^r (x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_4^2 + y_4^2) - b_{0,1,2,0,0,1,0,0,0,0}^r (x_1^2 + y_1^2)(x_2 - y_2)(x_2 +$$
$$y_2)(x_3^2 + y_3^2) - b_{0,1,2,1,0,0,0,0,0,0}^r (x_1^2 + y_1^2)(x_2 - y_2)(x_2 + y_2)(x_2^2 + y_2^2) - b_{0,2,0,0,-2,0,0,0,0,0}^r (x_1^2 +$$
$$y_1^2)^2 (x_3 - y_3)(x_3 + y_3) - b_{0,2,0,0,0,0,-2,0,0,0}^r (x_1^2 + y_1^2)^2 (x_4 - y_4)(x_4 + y_4) - b_{0,2,0,0,0,0,0,0,2,0}^r (x_1^2 +$$
$$y_1^2)^2 (x_5 - y_5)(x_5 + y_5) - b_{0,2,2,0,0,0,0,0,0,0}^r (x_1^2 + y_1^2)^2 (x_2 - y_2)(x_2 + y_2) - b_{1,0,-1,0,-2,0,0,0,0,1}^r (x_5^2 +$$
$$y_5^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 - 2x_1 x_3 y_2 y_3 + 2x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 - y_1 y_2 y_3^2) -$$
$$b_{1,0,-1,0,-2,0,0,1,0,0}^r (x_4^2 + y_4^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 - 2x_1 x_3 y_2 y_3 + 2x_2 x_3 y_1 y_3 + x_3^2 y_1 y_2 -$$
$$y_1 y_2 y_3^2) - b_{1,0,-1,0,-2,1,0,0,0,0}^r (x_3^2 + y_3^2)(x_1 x_2 x_3^2 - x_1 x_2 y_3^2 - 2x_1 x_3 y_2 y_3 + 2x_2 x_3 y_1 y_3 +$$
$$x_3^2 y_1 y_2 - y_1 y_2 y_3^2) - b_{1,0,-1,0,0,0,-2,0,0,1}^r (x_5^2 + y_5^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 - 2x_1 x_4 y_2 y_4 +$$
$$2x_2 x_4 y_1 y_4 + x_4^2 y_1 y_2 - y_1 y_2 y_4^2) - b_{1,0,-1,0,0,0,-2,1,0,0}^r (x_4^2 + y_4^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 -$$
$$2x_1 x_4 y_2 y_4 + 2x_2 x_4 y_1 y_4 + x_4^2 y_1 y_2 - y_1 y_2 y_4^2) - b_{1,0,-1,0,0,0,0,0,-4,0}^r (x_1 x_2 x_5^4 - 6x_1 x_2 x_5^2 y_5^2 +$$
$$x_1 x_2 y_5^4 - 4x_1 x_5^3 y_2 y_5 + 4x_1 x_5 y_2 y_5^3 + 4x_2 x_5^3 y_1 y_5 - 4x_2 x_5 y_1 y_5^3 + x_5^4 y_1 y_2 -$$
$$6x_5^2 y_1 y_2 y_5^2 + y_1 y_2 y_5^4) - b_{1,0,-1,0,0,0,0,0,2,1}^r (x_5^2 + y_5^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 + 2x_1 x_5 y_2 y_5 -$$
$$2x_2 x_5 y_1 y_5 + x_5^2 y_1 y_2 - y_1 y_2 y_5^2) - b_{1,0,-1,0,0,0,0,1,2,0}^r (x_4^2 + y_4^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 +$$
$$2x_1 x_5 y_2 y_5 - 2x_2 x_5 y_1 y_5 + x_5^2 y_1 y_2 - y_1 y_2 y_5^2) - b_{1,0,-1,0,0,0,2,0,-2,0}^r (x_1 x_2 x_4^2 x_5^2 -$$
$$x_1 x_2 x_4^2 y_5^2 + 4x_1 x_2 x_4 x_5 y_4 y_5 - x_1 x_2 x_5^2 y_4^2 + x_1 x_2 y_4^2 y_5^2 - 2x_1 x_4^2 x_5 y_2 y_5 +$$
$$2x_1 x_4 x_5^2 y_2 y_4 - 2x_1 x_4 y_2 y_4 y_5^2 + 2x_1 x_5 y_2 y_4^2 y_5 + 2x_2 x_4^2 x_5 y_1 y_5 - 2x_2 x_4 x_5^2 y_1 y_4 +$$
$$2x_2 x_4 y_1 y_4 y_5^2 - 2x_2 x_5 y_1 y_4^2 y_5 + x_4^2 x_5^2 y_1 y_2 - x_4^2 y_1 y_2 y_5^2 + 4x_4 x_5 y_1 y_2 y_4 y_5 -$$
$$x_5^2 y_1 y_2 y_4^2 + y_1 y_2 y_4^2 y_5^2) - b_{1,0,-1,0,0,0,4,0,0,0}^r (x_1 x_2 x_4^4 - 6x_1 x_2 x_4^2 y_4^2 + x_1 x_2 y_4^4 +$$
$$4x_1 x_4^3 y_2 y_4 - 4x_1 x_4 y_2 y_4^3 - 4x_2 x_4^3 y_1 y_4 + 4x_2 x_4 y_1 y_4^3 + x_4^4 y_1 y_2 - 6x_4^2 y_1 y_2 y_4^2 +$$
$$y_1 y_2 y_4^4) - b_{1,0,-1,0,0,1,-2,0,0,0}^r (x_3^2 + y_3^2)(x_1 x_2 x_4^2 - x_1 x_2 y_4^2 - 2x_1 x_4 y_2 y_4 + 2x_2 x_4 y_1 y_4 +$$
$$x_4^2 y_1 y_2 - y_1 y_2 y_4^2) - b_{1,0,-1,0,0,1,0,0,2,0}^r (x_3^2 + y_3^2)(x_1 x_2 x_5^2 - x_1 x_2 y_5^2 + 2x_1 x_5 y_2 y_5 -$$
$$2x_2 x_5 y_1 y_5 + x_5^2 y_1 y_2 - y_1 y_2 y_5^2) - b_{1,0,-1,0,2,0,0,0,-2,0}^r (x_1 x_2 x_3^2 x_5^2 - x_1 x_2 x_3^2 y_5^2 +$$
$$4x_1 x_2 x_3 x_5 y_3 y_5 - x_1 x_2 x_5^2 y_3^2 + x_1 x_2 y_3^2 y_5^2 - 2x_1 x_3^2 x_5 y_2 y_5 + 2x_1 x_3 x_5^2 y_2 y_3 -$$
$$2x_1 x_3 y_2 y_3 y_5^2 + 2x_1 x_5 y_2 y_3^2 y_5 + 2x_2 x_3^2 x_5 y_1 y_5 - 2x_2 x_3 x_5^2 y_1 y_3 + 2x_2 x_3 y_1 y_3 y_5^2 -$$
$$2x_2 x_5 y_1 y_3^2 y_5 + x_3^2 x_5^2 y_1 y_2 - x_3^2 y_1 y_2 y_5^2 + 4x_3 x_5 y_1 y_2 y_3 y_5 - x_5^2 y_1 y_2 y_3^2 +$$
$$y_1 y_2 y_3^2 y_5^2) - b_{1,0,-1,0,2,0,2,0,0,0}^r (x_1 x_2 x_3^2 x_4^2 - x_1 x_2 x_3^2 y_4^2 - 4x_1 x_2 x_3 x_4 y_3 y_4 -$$
$$x_1 x_2 x_4^2 y_3^2 + x_1 x_2 y_3^2 y_4^2 + 2x_1 x_3^2 x_4 y_2 y_4 + 2x_1 x_3 x_4^2 y_2 y_3 - 2x_1 x_3 y_2 y_3 y_4^2 -$$
$$2x_1 x_4 y_2 y_3^2 y_4 - 2x_2 x_3^2 x_4 y_1 y_4 - 2x_2 x_3 x_4^2 y_1 y_3 + 2x_2 x_3 y_1 y_3 y_4^2 + 2x_2 x_4 y_1 y_3^2 y_4 +$$
$$x_3^2 x_4^2 y_1 y_2 - x_3^2 y_1 y_2 y_4^2 - 4x_3 x_4 y_1 y_2 y_3 y_4 - x_4^2 y_1 y_2 y_3^2 + y_1 y_2 y_3^2 y_4^2) -$$

$$b^r_{1,0,-1,0,4,0,0,0,0,0}(x_1x_2x_3^4 - 6x_1x_2x_3^2y_3^2 + x_1x_2y_3^4 + 4x_1x_3^3y_2y_3 - 4x_1x_3y_2y_3^3 -$$
$$4x_2x_3^3y_1y_3 + 4x_2x_3y_1y_3^3 + x_3^4y_1y_2 - 6x_3^2y_1y_2y_3^2 + y_1y_2y_3^4) - b^r_{1,0,-1,1,-2,0,0,0,0,0}(x_2^2+$$
$$y_2^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 + 2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) -$$
$$b^r_{1,0,-1,1,0,0,-2,0,0,0}(x_2^2 + y_2^2)(x_1x_2x_4^2 - x_1x_2y_4^2 - 2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 -$$
$$y_1y_2y_4^2) - b^r_{1,0,-1,1,0,0,0,0,2,0}(x_2^2 + y_2^2)(x_1x_2x_5^2 - x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 +$$
$$x_5^2y_1y_2 - y_1y_2y_5^2) - b^r_{1,0,-2,0,-1,0,-1,0,1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 -$$
$$x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 - 2x_1x_2y_2y_3y_4y_5 -$$
$$x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 - x_2^2x_3x_4y_1y_5 +$$
$$x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 +$$
$$2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 - x_4x_5y_1y_2^2y_3 -$$
$$y_1y_2^2y_3y_4y_5) - b^r_{1,0,-2,0,1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 + x_1x_2^2x_4y_3y_5 -$$
$$x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 + 2x_1x_2y_2y_3y_4y_5 -$$
$$x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 + x_2^2x_3x_4y_1y_5 -$$
$$x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 - x_2^2y_1y_3y_4y_5 + 2x_2x_3x_4x_5y_1y_2 + 2x_2x_3y_1y_2y_4y_5 +$$
$$2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 + x_4x_5y_1y_2^2y_3 +$$
$$y_1y_2^2y_3y_4y_5) - b^r_{1,0,-3,0,0,0,0,0,-2,0}(x_1x_2^3x_5^2 - x_1x_2^3y_5^2 - 6x_1x_2^2x_5y_2y_5 - 3x_1x_2x_5^2y_2^2 +$$
$$3x_1x_2y_2^2y_5^2 + 2x_1x_5y_2^3y_5 + 2x_2^3x_5y_1y_5 + 3x_2^2x_5^2y_1y_2 - 3x_2^2y_1y_2y_5^2 -$$
$$6x_2x_5y_1y_2^2y_5 - x_5^2y_1y_2^3 + y_1y_2^3y_5^2) - b^r_{1,0,-3,0,0,0,0,2,0,0,0}(x_1x_2^3x_4^2 - x_1x_2^3y_4^2 +$$
$$6x_1x_2^2x_4y_2y_4 - 3x_1x_2x_4^2y_2^2 + 3x_1x_2y_2^2y_4^2 - 2x_1x_4y_2^3y_4 - 2x_2^3x_4y_1y_4 +$$
$$3x_2^2x_4^2y_1y_2 - 3x_2^2y_1y_2y_4^2 + 6x_2x_4y_1y_2^2y_4 - x_4^2y_1y_2^3 + y_1y_2^3y_4^2) -$$
$$b^r_{1,0,-3,0,2,0,0,0,0,0}(x_1x_2^3x_3^2 - x_1x_2^3y_3^2 + 6x_1x_2^2x_3y_2y_3 - 3x_1x_2x_3^2y_2^2 + 3x_1x_2y_2^2y_3^2 -$$
$$2x_1x_3y_2^3y_3 - 2x_2^3x_3y_1y_3 + 3x_2^2x_3^2y_1y_2 - 3x_2^2y_1y_2y_3^2 + 6x_2x_3y_1y_2^2y_3 -$$
$$x_3^2y_1y_2^3 + y_1y_2^3y_3^2) - b^r_{1,0,-5,0,0,0,0,0,0,0}(x_1x_2^5 - 10x_1x_2^3y_2^2 + 5x_1x_2y_2^4 + 5x_2^4y_1y_2 -$$
$$10x_2^2y_1y_2^3 + y_1y_2^5) - b^r_{1,0,0,0,-1,0,-1,0,-1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 -$$
$$x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - b^r_{1,0,0,0,-1,0,-1,1,-1,0}(x_4^2 +$$
$$y_4^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 -$$
$$y_1y_3y_4y_5) - b^r_{1,0,0,0,-1,0,1,0,1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 -$$
$$x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - b^r_{1,0,0,0,-1,0,1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 -$$
$$x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$
$$b^r_{1,0,0,0,-1,1,-1,0,-1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 +$$
$$x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - b^r_{1,0,0,0,-1,1,1,0,1,0}(x_3^2 + y_3^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 +$$
$$x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$
$$b^r_{1,0,0,0,-3,0,1,0,-1,0}(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5 - 3x_1x_3^2x_4y_3y_5 + 3x_1x_3^2x_5y_3y_4 -$$
$$3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 + x_1x_4y_3^3y_5 - x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 +$$
$$3x_3^2x_4x_5y_1y_3 + 3x_3^2y_1y_3y_4y_5 - 3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 - x_4x_5y_1y_3^3 -$$
$$y_1y_3^3y_4y_5) - b^r_{1,0,0,0,1,0,-1,0,1,1}(x_5^2 + y_5^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 -$$
$$x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - b^r_{1,0,0,0,1,0,-1,1,1,0}(x_4^2 + y_4^2)(x_1x_3x_4x_5 +$$
$$x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$
$$b^r_{1,0,0,0,1,0,-3,0,-1,0}(x_1x_3x_4^3x_5 - 3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 + x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 +$$
$$3x_1x_4^2x_5y_3y_4 - 3x_1x_4y_3y_4^2y_5 - x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 + 3x_3x_4^2x_5y_1y_4 -$$
$$3x_3x_4y_1y_4^2y_5 - x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 + 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 -$$
$$y_1y_3y_4^3y_5) - b^r_{1,0,0,0,1,0,1,0,-3,0}(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 + 3x_1x_3x_5^2y_4y_5 - x_1x_3y_4y_5^3 +$$

$$3x_1x_4x_5^2y_3y_5 - x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 + 3x_1x_5y_3y_4y_5^2 + 3x_3x_4x_5^2y_1y_5 -$$

$$x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 - x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 -$$

$$3x_5^2y_1y_3y_4y_5 + y_1y_3y_4y_5^3) - b_{1,0,0,0,1,0,1,0,3,0}^r(x_1x_3x_4x_5^3 - 3x_1x_3x_4x_5y_5^2 -$$

$$3x_1x_3x_5^2y_4y_5 + x_1x_3y_4y_5^3 - 3x_1x_4x_5^2y_3y_5 + x_1x_4y_3y_5^3 - x_1x_5^3y_3y_4 +$$

$$3x_1x_5y_3y_4y_5^2 - 3x_3x_4x_5^2y_1y_5 + x_3x_4y_1y_5^3 - x_3x_5^3y_1y_4 + 3x_3x_5y_1y_4y_5^2 -$$

$$x_4x_5^3y_1y_3 + 3x_4x_5y_1y_3y_5^2 + 3x_5^2y_1y_3y_4y_5 - y_1y_3y_4y_5^3) - b_{1,0,0,0,1,0,3,0,-1,0}^r(x_1x_3x_4^3x_5 +$$

$$3x_1x_3x_4^2y_4y_5 - 3x_1x_3x_4x_5y_4^2 - x_1x_3y_4^3y_5 + x_1x_4^3y_3y_5 - 3x_1x_4^2x_5y_3y_4 -$$

$$3x_1x_4y_3y_4^2y_5 + x_1x_5y_3y_4^3 + x_3x_4^3y_1y_5 - 3x_3x_4^2x_5y_1y_4 - 3x_3x_4y_1y_4^2y_5 +$$

$$x_3x_5y_1y_4^3 - x_4^3x_5y_1y_3 - 3x_4^2y_1y_3y_4y_5 + 3x_4x_5y_1y_3y_4^2 + y_1y_3y_4^3y_5) -$$

$$b_{1,0,0,0,1,1,-1,0,1,0}^r(x_3^2 + y_3^2)(x_1x_3x_4x_5 + x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 +$$

$$x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) - b_{1,0,0,0,3,0,1,0,-1,0}^r(x_1x_3^3x_4x_5 + x_1x_3^3y_4y_5 +$$

$$3x_1x_3^2x_4y_3y_5 - 3x_1x_3^2x_5y_3y_4 - 3x_1x_3x_4x_5y_3^2 - 3x_1x_3y_3^2y_4y_5 - x_1x_4y_3^3y_5 +$$

$$x_1x_5y_3^3y_4 + x_3^3x_4y_1y_5 - x_3^3x_5y_1y_4 - 3x_3^2x_4x_5y_1y_3 - 3x_3^2y_1y_3y_4y_5 -$$

$$3x_3x_4y_1y_3^2y_5 + 3x_3x_5y_1y_3^2y_4 + x_4x_5y_1y_3^3 + y_1y_3^3y_4y_5) - b_{1,0,0,1,-1,0,-1,0,-1,0}^r(x_2^2 +$$

$$y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 -$$

$$y_1y_3y_4y_5) - b_{1,0,0,1,-1,0,1,0,1,0}^r(x_2^2 + y_2^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 -$$

$$x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - b_{1,0,0,1,1,0,-1,0,1,0}^r(x_2^2 + y_2^2)(x_1x_3x_4x_5 +$$

$$x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$

$$b_{1,0,1,0,-2,0,0,0,-2,0}^r(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 - 4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 +$$

$$x_1x_2y_3^2y_5^2 + 2x_1x_3^2x_5y_2y_5 + 2x_1x_3x_5^2y_2y_3 - 2x_1x_3y_2y_3y_5^2 - 2x_1x_5y_2y_3^2y_5 +$$

$$2x_2x_3^2x_5y_1y_5 + 2x_2x_3x_5^2y_1y_3 - 2x_2x_3y_1y_3y_5^2 - 2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2 +$$

$$x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 - y_1y_2y_3^2y_5^2) -$$

$$b_{1,0,1,0,-2,0,2,0,0,0}^r(x_1x_2x_3^2x_4^2 - x_1x_2x_3^2y_4^2 + 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 +$$

$$x_1x_2y_3^2y_4^2 - 2x_1x_3^2x_4y_2y_4 + 2x_1x_3x_4^2y_2y_3 - 2x_1x_3y_2y_3y_4^2 + 2x_1x_4y_2y_3^2y_4 -$$

$$2x_2x_3^2x_4y_1y_4 + 2x_2x_3x_4^2y_1y_3 - 2x_2x_3y_1y_3y_4^2 + 2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2 +$$

$$x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 + x_4^2y_1y_2y_3^2 - y_1y_2y_3^2y_4^2) -$$

$$b_{1,0,1,0,0,0,-2,0,-2,0}^r(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 - 4x_1x_2x_4x_5y_4y_5 - x_1x_2x_5^2y_4^2 +$$

$$x_1x_2y_4^2y_5^2 + 2x_1x_4^2x_5y_2y_5 + 2x_1x_4x_5^2y_2y_4 - 2x_1x_4y_2y_4y_5^2 - 2x_1x_5y_2y_4^2y_5 +$$

$$2x_2x_4^2x_5y_1y_5 + 2x_2x_4x_5^2y_1y_4 - 2x_2x_4y_1y_4y_5^2 - 2x_2x_5y_1y_4^2y_5 - x_4^2x_5^2y_1y_2 +$$

$$x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) - b_{1,0,1,0,0,0,0,0,0,2}^r(x_5^2 +$$

$$y_5^2)^2(x_1x_2 - y_1y_2) - b_{1,0,1,0,0,0,0,0,1,0,1}^r(x_4^2 + y_4^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) - b_{1,0,1,0,0,0,0,0,2,0,0}^r(x_4^2 +$$

$$y_4^2)^2(x_1x_2 - y_1y_2) - b_{1,0,1,0,0,0,0,2,0,2,0}^r(x_1x_2x_4^2x_5^2 - x_1x_2x_4^2y_5^2 - 4x_1x_2x_4x_5y_4y_5 -$$

$$x_1x_2x_5^2y_4^2 + x_1x_2y_4^2y_5^2 - 2x_1x_4^2x_5y_2y_5 - 2x_1x_4x_5^2y_2y_4 + 2x_1x_4y_2y_4y_5^2 +$$

$$2x_1x_5y_2y_4^2y_5 - 2x_2x_4^2x_5y_1y_5 - 2x_2x_4x_5^2y_1y_4 + 2x_2x_4y_1y_4y_5^2 + 2x_2x_5y_1y_4^2y_5 -$$

$$x_4^2x_5^2y_1y_2 + x_4^2y_1y_2y_5^2 + 4x_4x_5y_1y_2y_4y_5 + x_5^2y_1y_2y_4^2 - y_1y_2y_4^2y_5^2) -$$

$$b_{1,0,1,0,0,0,1,0,0,0,0,1}^r(x_3^2 + y_3^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) - b_{1,0,1,0,0,0,1,0,1,0,0}^r(x_3^2 + y_3^2)(x_4^2 + y_4^2)(x_1x_2 -$$

$$y_1y_2) - b_{1,0,1,0,0,0,2,0,0,0,0}^r(x_3^2 + y_3^2)^2(x_1x_2 - y_1y_2) - b_{1,0,1,0,2,0,-2,0,0,0,0}^r(x_1x_2x_3^2x_4^2 -$$

$$x_1x_2x_3^2y_4^2 + 4x_1x_2x_3x_4y_3y_4 - x_1x_2x_4^2y_3^2 + x_1x_2y_3^2y_4^2 + 2x_1x_3^2x_4y_2y_4 -$$

$$2x_1x_3x_4^2y_2y_3 + 2x_1x_3y_2y_3y_4^2 - 2x_1x_4y_2y_3^2y_4 + 2x_2x_3^2x_4y_1y_4 - 2x_2x_3x_4^2y_1y_3 +$$

$$2x_2x_3y_1y_3y_4^2 - 2x_2x_4y_1y_3^2y_4 - x_3^2x_4^2y_1y_2 + x_3^2y_1y_2y_4^2 - 4x_3x_4y_1y_2y_3y_4 +$$

$$x_4^2y_1y_2y_3^2 - y_1y_2y_3^2y_4^2) - b_{1,0,1,0,2,0,0,0,0,0,2,0}^r(x_1x_2x_3^2x_5^2 - x_1x_2x_3^2y_5^2 -$$

$$4x_1x_2x_3x_5y_3y_5 - x_1x_2x_5^2y_3^2 + x_1x_2y_3^2y_5^2 - 2x_1x_3^2x_5y_2y_5 - 2x_1x_3x_5^2y_2y_3 +$$

$$2x_1x_3y_2y_3y_5^2 + 2x_1x_5y_2y_3^2y_5 - 2x_2x_3^2x_5y_1y_5 - 2x_2x_3x_5^2y_1y_3 + 2x_2x_3y_1y_3y_5^2 +$$
$$2x_2x_5y_1y_3^2y_5 - x_3^2x_5^2y_1y_2 + x_3^2y_1y_2y_5^2 + 4x_3x_5y_1y_2y_3y_5 + x_5^2y_1y_2y_3^2 -$$
$$y_1y_2y_3^2y_5^2) - b^r_{1,0,1,1,0,0,0,0,0,0,1}(x_2^2 + y_2^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) - b^r_{1,0,1,1,0,0,0,1,0,0}(x_2^2 +$$
$$y_2^2)(x_4^2 + y_4^2)(x_1x_2 - y_1y_2) - b^r_{1,0,1,1,0,1,0,0,0,0}(x_2^2 + y_2^2)(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) -$$
$$b^r_{1,0,1,2,0,0,0,0,0,0,0}(x_2^2 + y_2^2)^2(x_1x_2 - y_1y_2) - b^r_{1,0,2,0,-1,0,1,0,-1,0}(x_1x_2^2x_3x_4x_5 + x_1x_2^2x_3y_4y_5 -$$
$$x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 + 2x_1x_2x_4x_5y_2y_3 +$$
$$2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 - x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 +$$
$$x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 + x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 -$$
$$2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 -$$
$$x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) - b^r_{1,0,2,0,1,0,-1,0,-1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 +$$
$$x_1x_2^2x_4y_3y_5 + x_1x_2^2x_5y_3y_4 + 2x_1x_2x_3x_4y_2y_5 + 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 +$$
$$2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 - x_1x_4y_2^2y_3y_5 - x_1x_5y_2^2y_3y_4 +$$
$$x_2^2x_3x_4y_1y_5 + x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 +$$
$$2x_2x_3y_1y_2y_4y_5 - 2x_2x_4y_1y_2y_3y_5 - 2x_2x_5y_1y_2y_3y_4 - x_3x_4y_1y_2^2y_5 - x_3x_5y_1y_2^2y_4 +$$
$$x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) - b^r_{1,0,2,0,1,0,1,0,1,0}(x_1x_2^2x_3x_4x_5 - x_1x_2^2x_3y_4y_5 -$$
$$x_1x_2^2x_4y_3y_5 - x_1x_2^2x_5y_3y_4 - 2x_1x_2x_3x_4y_2y_5 - 2x_1x_2x_3x_5y_2y_4 - 2x_1x_2x_4x_5y_2y_3 +$$
$$2x_1x_2y_2y_3y_4y_5 - x_1x_3x_4x_5y_2^2 + x_1x_3y_2^2y_4y_5 + x_1x_4y_2^2y_3y_5 + x_1x_5y_2^2y_3y_4 -$$
$$x_2^2x_3x_4y_1y_5 - x_2^2x_3x_5y_1y_4 - x_2^2x_4x_5y_1y_3 + x_2^2y_1y_3y_4y_5 - 2x_2x_3x_4x_5y_1y_2 +$$
$$2x_2x_3y_1y_2y_4y_5 + 2x_2x_4y_1y_2y_3y_5 + 2x_2x_5y_1y_2y_3y_4 + x_3x_4y_1y_2^2y_5 + x_3x_5y_1y_2^2y_4 +$$
$$x_4x_5y_1y_2^2y_3 - y_1y_2^2y_3y_4y_5) - b^r_{1,0,3,0,0,0,0,0,-2,0}(x_1x_2^3x_5^2 - x_1x_2^3y_5^2 + 6x_1x_2^2x_5y_2y_5 -$$
$$3x_1x_2x_5^2y_2^2 + 3x_1x_2y_2^2y_5^2 - 2x_1x_5y_2^3y_5 + 2x_2^3x_5y_1y_5 - 3x_2^2x_5^2y_1y_2 +$$
$$3x_2^2y_1y_2y_5^2 - 6x_2x_5y_1y_2^2y_5 + x_5^2y_1y_2^3 - y_1y_2^3y_5^2) - b^r_{1,0,3,0,0,0,2,0,0,0}(x_1x_2^3x_4^2 -$$
$$x_1x_2^3y_4^2 - 6x_1x_2^2x_4y_2y_4 - 3x_1x_2x_4^2y_2^2 + 3x_1x_2y_2^2y_4^2 + 2x_1x_4y_2^3y_4 -$$
$$2x_2^3x_4y_1y_4 - 3x_2^2x_4^2y_1y_2 + 3x_2^2y_1y_2y_4^2 + 6x_2x_4y_1y_2^2y_4 + x_4^2y_1y_2^3 - y_1y_2^3y_4^2) -$$
$$b^r_{1,0,3,0,2,0,0,0,0,0}(x_1x_2^3x_3^2 - x_1x_2^3y_3^2 - 6x_1x_2^2x_3y_2y_3 - 3x_1x_2x_3^2y_2^2 + 3x_1x_2y_2^2y_3^2 +$$
$$2x_1x_3y_2^3y_3 - 2x_2^3x_3y_1y_3 - 3x_2^2x_3^2y_1y_2 + 3x_2^2y_1y_2y_3^2 + 6x_2x_3y_1y_2^2y_3 +$$
$$x_3^2y_1y_2^3 - y_1y_2^3y_3^2) - b^r_{1,1,-1,0,-2,0,0,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_3^2 - x_1x_2y_3^2 - 2x_1x_3y_2y_3 +$$
$$2x_2x_3y_1y_3 + x_3^2y_1y_2 - y_1y_2y_3^2) - b^r_{1,1,-1,0,0,0,-2,0,0,0}(x_1^2 + y_1^2)(x_1x_2x_4^2 - x_1x_2y_4^2 -$$
$$2x_1x_4y_2y_4 + 2x_2x_4y_1y_4 + x_4^2y_1y_2 - y_1y_2y_4^2) - b^r_{1,1,-1,0,0,0,0,0,2,0}(x_1^2 + y_1^2)(x_1x_2x_5^2 -$$
$$x_1x_2y_5^2 + 2x_1x_5y_2y_5 - 2x_2x_5y_1y_5 + x_5^2y_1y_2 - y_1y_2y_5^2) - b^r_{1,1,0,0,-1,0,-1,0,-1,0}(x_1^2 +$$
$$y_1^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 - x_1x_4y_3y_5 - x_1x_5y_3y_4 + x_3x_4y_1y_5 + x_3x_5y_1y_4 + x_4x_5y_1y_3 -$$
$$y_1y_3y_4y_5) - b^r_{1,1,0,0,-1,0,1,0,1,0}(x_1^2 + y_1^2)(x_1x_3x_4x_5 - x_1x_3y_4y_5 + x_1x_4y_3y_5 + x_1x_5y_3y_4 -$$
$$x_3x_4y_1y_5 - x_3x_5y_1y_4 + x_4x_5y_1y_3 - y_1y_3y_4y_5) - b^r_{1,1,0,0,1,0,-1,0,1,0}(x_1^2 + y_1^2)(x_1x_3x_4x_5 +$$
$$x_1x_3y_4y_5 - x_1x_4y_3y_5 + x_1x_5y_3y_4 - x_3x_4y_1y_5 + x_3x_5y_1y_4 - x_4x_5y_1y_3 - y_1y_3y_4y_5) -$$
$$b^r_{1,1,1,0,0,0,0,0,0,1}(x_1^2 + y_1^2)(x_5^2 + y_5^2)(x_1x_2 - y_1y_2) - b^r_{1,1,1,0,0,0,0,1,0,0}(x_1^2 + y_1^2)(x_4^2 + y_4^2)(x_1x_2 -$$
$$y_1y_2) - b^r_{1,1,1,0,0,1,0,0,0,0}(x_1^2 + y_1^2)(x_3^2 + y_3^2)(x_1x_2 - y_1y_2) - b^r_{1,1,1,1,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_2^2 +$$
$$y_2^2)(x_1x_2 - y_1y_2) - b^r_{1,2,1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)^2(x_1x_2 - y_1y_2) - b^r_{2,0,-1,0,-1,0,-1,0,-1,0}(x_1^2x_2x_3x_4x_5 -$$
$$x_1^2x_2x_3y_4y_5 - x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 -$$
$$x_1^2x_4x_5y_2y_3 + x_1^2y_2y_3y_4y_5 + 2x_1x_2x_3x_4y_1y_5 + 2x_1x_2x_3x_5y_1y_4 + 2x_1x_2x_4x_5y_1y_3 -$$
$$2x_1x_2y_1y_3y_4y_5 + 2x_1x_3x_4x_5y_1y_2 - 2x_1x_3y_1y_2y_4y_5 - 2x_1x_4y_1y_2y_3y_5 -$$
$$2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2 + x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 +$$
$$x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4 + x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) -$$

$$b^r_{2,0,-1,0,-1,0,1,0,1,0}(x_1^2 x_2 x_3 x_4 x_5 - x_1^2 x_2 x_3 y_4 y_5 + x_1^2 x_2 x_4 y_3 y_5 + x_1^2 x_2 x_5 y_3 y_4 +$$

$$x_1^2 x_3 x_4 y_2 y_5 + x_1^2 x_3 x_5 y_2 y_4 - x_1^2 x_4 x_5 y_2 y_3 + x_1^2 y_2 y_3 y_4 y_5 - 2 x_1 x_2 x_3 x_4 y_1 y_5 -$$

$$2 x_1 x_2 x_3 x_5 y_1 y_4 + 2 x_1 x_2 x_4 x_5 y_1 y_3 - 2 x_1 x_2 y_1 y_3 y_4 y_5 + 2 x_1 x_3 x_4 x_5 y_1 y_2 -$$

$$2 x_1 x_3 y_1 y_2 y_4 y_5 + 2 x_1 x_4 y_1 y_2 y_3 y_5 + 2 x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 + x_2 x_3 y_1^2 y_4 y_5 -$$

$$x_2 x_4 y_1^2 y_3 y_5 - x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 - x_3 x_5 y_1^2 y_2 y_4 + x_4 x_5 y_1^2 y_2 y_3 -$$

$$y_1^2 y_2 y_3 y_4 y_5) - b^r_{2,0,-1,0,1,0,-1,0,1,0}(x_1^2 x_2 x_3 x_4 x_5 + x_1^2 x_2 x_3 y_4 y_5 - x_1^2 x_2 x_4 y_3 y_5 +$$

$$x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 + x_1^2 x_4 x_5 y_2 y_3 + x_1^2 y_2 y_3 y_4 y_5 -$$

$$2 x_1 x_2 x_3 x_4 y_1 y_5 + 2 x_1 x_2 x_3 x_5 y_1 y_4 - 2 x_1 x_2 x_4 x_5 y_1 y_3 - 2 x_1 x_2 y_1 y_3 y_4 y_5 +$$

$$2 x_1 x_3 x_4 x_5 y_1 y_2 + 2 x_1 x_3 y_1 y_2 y_4 y_5 - 2 x_1 x_4 y_1 y_2 y_3 y_5 + 2 x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 -$$

$$x_2 x_3 y_1^2 y_4 y_5 + x_2 x_4 y_1^2 y_3 y_5 - x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 + x_3 x_5 y_1^2 y_2 y_4 -$$

$$x_4 x_5 y_1^2 y_2 y_3 - y_1^2 y_2 y_3 y_4 y_5) - b^r_{2,0,-2,0,-2,0,0,0,0,0}(x_1 x_2 x_3 - x_1 x_2 y_3 - x_1 x_3 y_2 - x_1 y_2 y_3 +$$

$$x_2 x_3 y_1 + x_2 y_1 y_3 + x_3 y_1 y_2 - y_1 y_2 y_3)(x_1 x_2 x_3 + x_1 x_2 y_3 + x_1 x_3 y_2 - x_1 y_2 y_3 - x_2 x_3 y_1 +$$

$$x_2 y_1 y_3 + x_3 y_1 y_2 + y_1 y_2 y_3) - b^r_{2,0,-2,0,0,0,0,-2,0,0,0}(x_1 x_2 x_4 - x_1 x_2 y_4 - x_1 x_4 y_2 - x_1 y_2 y_4 + x_2 x_4 y_1 +$$

$$x_2 y_1 y_4 + x_4 y_1 y_2 - y_1 y_2 y_4)(x_1 x_2 x_4 + x_1 x_2 y_4 + x_1 x_4 y_2 - x_1 y_2 y_4 - x_2 x_4 y_1 + x_2 y_1 y_4 +$$

$$x_4 y_1 y_2 + y_1 y_2 y_4) - b^r_{2,0,-2,0,0,0,0,0,0,2,0}(x_1 x_2 x_5 - x_1 x_2 y_5 + x_1 x_5 y_2 + x_1 y_2 y_5 - x_2 x_5 y_1 - x_2 y_1 y_5 +$$

$$x_5 y_1 y_2 - y_1 y_2 y_5)(x_1 x_2 x_5 + x_1 x_2 y_5 - x_1 x_5 y_2 + x_1 y_2 y_5 + x_2 x_5 y_1 - x_2 y_1 y_5 + x_5 y_1 y_2 +$$

$$y_1 y_2 y_5) - b^r_{2,0,0,0,-2,0,0,0,-2,0}(x_1 x_3 x_5 - x_1 x_3 y_5 - x_1 x_5 y_3 - x_1 y_3 y_5 + x_3 x_5 y_1 + x_3 y_1 y_5 + x_5 y_1 y_3 -$$

$$y_1 y_3 y_5)(x_1 x_3 x_5 + x_1 x_3 y_5 + x_1 x_5 y_3 - x_1 y_3 y_5 - x_3 x_5 y_1 + x_3 y_1 y_5 + x_5 y_1 y_3 + y_1 y_3 y_5) -$$

$$b^r_{2,0,0,0,-2,0,2,0,0,0}(x_1 x_3 x_4 - x_1 x_3 y_4 + x_1 x_4 y_3 + x_1 y_3 y_4 - x_3 x_4 y_1 - x_3 y_1 y_4 + x_4 y_1 y_3 -$$

$$y_1 y_3 y_4)(x_1 x_3 x_4 + x_1 x_3 y_4 - x_1 x_4 y_3 + x_1 y_3 y_4 + x_3 x_4 y_1 - x_3 y_1 y_4 + x_4 y_1 y_3 + y_1 y_3 y_4) -$$

$$b^r_{2,0,0,0,0,0,-2,0,-2,0}(x_1 x_4 x_5 - x_1 x_4 y_5 - x_1 x_5 y_4 - x_1 y_4 y_5 + x_4 x_5 y_1 + x_4 y_1 y_5 + x_5 y_1 y_4 -$$

$$y_1 y_4 y_5)(x_1 x_4 x_5 + x_1 x_4 y_5 + x_1 x_5 y_4 - x_1 y_4 y_5 - x_4 x_5 y_1 + x_4 y_1 y_5 + x_5 y_1 y_4 + y_1 y_4 y_5) -$$

$$b^r_{2,0,0,0,0,0,0,0,0,2}(x_1 - y_1)(x_1 + y_1)(x_5^2 + y_5^2)^2 - b^r_{2,0,0,0,0,0,0,1,0,1}(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2)(x_5^2 +$$

$$y_5^2) - b^r_{2,0,0,0,0,0,0,2,0,0}(x_1 - y_1)(x_1 + y_1)(x_4^2 + y_4^2)^2 - b^r_{2,0,0,0,0,0,2,0,2,0}(x_1 x_4 x_5 - x_1 x_4 y_5 - x_1 x_5 y_4 -$$

$$x_1 y_4 y_5 - x_4 x_5 y_1 - x_4 y_1 y_5 - x_5 y_1 y_4 + y_1 y_4 y_5)(x_1 x_4 x_5 + x_1 x_4 y_5 + x_1 x_5 y_4 - x_1 y_4 y_5 +$$

$$x_4 x_5 y_1 - x_4 y_1 y_5 - x_5 y_1 y_4 - y_1 y_4 y_5) - b^r_{2,0,0,0,0,1,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2)(x_5^2 + y_5^2) -$$

$$b^r_{2,0,0,0,0,1,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_3^2 + y_3^2)(x_4^2 + y_4^2) - b^r_{2,0,0,0,0,2,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_3^2 +$$

$$y_3^2)^2 - b^r_{2,0,0,0,2,0,-2,0,0,0}(x_1 x_3 x_4 - x_1 x_3 y_4 + x_1 x_4 y_3 + x_1 y_3 y_4 + x_3 x_4 y_1 + x_3 y_1 y_4 - x_4 y_1 y_3 +$$

$$y_1 y_3 y_4)(x_1 x_3 x_4 + x_1 x_3 y_4 - x_1 x_4 y_3 + x_1 y_3 y_4 - x_3 x_4 y_1 + x_3 y_1 y_4 - x_4 y_1 y_3 - y_1 y_3 y_4) -$$

$$b^r_{2,0,0,0,2,0,0,0,2,0}(x_1 x_3 x_5 - x_1 x_3 y_5 - x_1 x_5 y_3 - x_1 y_3 y_5 - x_3 x_5 y_1 - x_3 y_1 y_5 - x_5 y_1 y_3 +$$

$$y_1 y_3 y_5)(x_1 x_3 x_5 + x_1 x_3 y_5 + x_1 x_5 y_3 - x_1 y_3 y_5 + x_3 x_5 y_1 - x_3 y_1 y_5 - x_5 y_1 y_3 - y_1 y_3 y_5) -$$

$$b^r_{2,0,0,1,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2)(x_5^2 + y_5^2) - b^r_{2,0,0,1,0,0,0,1,0,0}(x_1 - y_1)(x_1 + y_1)(x_2^2 +$$

$$y_2^2)(x_4^2 + y_4^2) - b^r_{2,0,0,1,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_2^2 + y_2^2)(x_3^2 + y_3^2) - b^r_{2,0,0,2,0,0,0,0,0,0}(x_1 -$$

$$y_1)(x_1 + y_1)(x_2^2 + y_2^2)^2 - b^r_{2,0,1,0,-1,0,1,0,-1,0}(x_1^2 x_2 x_3 x_4 x_5 + x_1^2 x_2 x_3 y_4 y_5 - x_1^2 x_2 x_4 y_3 y_5 +$$

$$x_1^2 x_2 x_5 y_3 y_4 + x_1^2 x_3 x_4 y_2 y_5 - x_1^2 x_3 x_5 y_2 y_4 + x_1^2 x_4 x_5 y_2 y_3 + x_1^2 y_2 y_3 y_4 y_5 +$$

$$2 x_1 x_2 x_3 x_4 y_1 y_5 + 2 x_1 x_2 x_3 x_5 y_1 y_4 - 2 x_1 x_2 x_4 x_5 y_1 y_3 + 2 x_1 x_2 y_1 y_3 y_4 y_5 -$$

$$2 x_1 x_3 x_4 x_5 y_1 y_2 + 2 x_1 x_3 y_1 y_2 y_4 y_5 - 2 x_1 x_4 y_1 y_2 y_3 y_5 - 2 x_1 x_5 y_1 y_2 y_3 y_4 - x_2 x_3 x_4 x_5 y_1^2 +$$

$$x_2 x_3 y_1^2 y_4 y_5 - x_2 x_4 y_1^2 y_3 y_5 - x_2 x_5 y_1^2 y_3 y_4 - x_3 x_4 y_1^2 y_2 y_5 - x_3 x_5 y_1^2 y_2 y_4 +$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - b^r_{2,0,1,0,1,0,1,0,1,0}(x_1^2x_2x_3x_4x_5 - x_1^2x_2x_3y_4y_5-$$

$$x_1^2x_2x_4y_3y_5 - x_1^2x_2x_5y_3y_4 - x_1^2x_3x_4y_2y_5 - x_1^2x_3x_5y_2y_4 - x_1^2x_4x_5y_2y_3+$$

$$x_1^2y_2y_3y_4y_5 - 2x_1x_2x_3x_4y_1y_5 - 2x_1x_2x_3x_5y_1y_4 - 2x_1x_2x_4x_5y_1y_3 + 2x_1x_2y_1y_3y_4y_5-$$

$$2x_1x_3x_4x_5y_1y_2 + 2x_1x_3y_1y_2y_4y_5 + 2x_1x_4y_1y_2y_3y_5 + 2x_1x_5y_1y_2y_3y_4 - x_2x_3x_4x_5y_1^2+$$

$$x_2x_3y_1^2y_4y_5 + x_2x_4y_1^2y_3y_5 + x_2x_5y_1^2y_3y_4 + x_3x_4y_1^2y_2y_5 + x_3x_5y_1^2y_2y_4+$$

$$x_4x_5y_1^2y_2y_3 - y_1^2y_2y_3y_4y_5) - b^r_{2,0,2,0,0,0,0,0,-2,0}(x_1x_2x_5 - x_1x_2y_5 + x_1x_5y_2 + x_1y_2y_5+$$

$$x_2x_5y_1 + x_2y_1y_5 - x_5y_1y_2 + y_1y_2y_5)(x_1x_2x_5 + x_1x_2y_5 - x_1x_5y_2 + x_1y_2y_5 - x_2x_5y_1+$$

$$x_2y_1y_5 - x_5y_1y_2 - y_1y_2y_5) - b^r_{2,0,2,0,0,0,2,0,0,0}(x_1x_2x_4 - x_1x_2y_4 - x_1x_4y_2 - x_1y_2y_4 - x_2x_4y_1-$$

$$x_2y_1y_4 - x_4y_1y_2 + y_1y_2y_4)(x_1x_2x_4 + x_1x_2y_4 + x_1x_4y_2 - x_1y_2y_4 + x_2x_4y_1 - x_2y_1y_4-$$

$$x_4y_1y_2 - y_1y_2y_4) - b^r_{2,0,2,0,2,0,0,0,0,0}(x_1x_2x_3 - x_1x_2y_3 - x_1x_3y_2 - x_1y_2y_3 - x_2x_3y_1 - x_2y_1y_3-$$

$$x_3y_1y_2 + y_1y_2y_3)(x_1x_2x_3 + x_1x_2y_3 + x_1x_3y_2 - x_1y_2y_3 + x_2x_3y_1 - x_2y_1y_3 - x_3y_1y_2-$$

$$y_1y_2y_3) - b^r_{2,1,0,0,0,0,0,0,0,1}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_5^2 + y_5^2) - b^r_{2,1,0,0,0,0,0,1,0,0}(x_1 - y_1)(x_1+$$

$$y_1)(x_1^2 + y_1^2)(x_4^2 + y_4^2) - b^r_{2,1,0,0,0,1,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_3^2 + y_3^2)-$$

$$b^r_{2,1,0,1,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2 + y_1^2)(x_2^2 + y_2^2) - b^r_{2,2,0,0,0,0,0,0,0,0}(x_1 - y_1)(x_1 + y_1)(x_1^2+$$

$$y_1^2)^2 - b^r_{3,0,-1,0,0,0,0,0,0,1}(x_5^2 + y_5^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2)-$$

$$b^r_{3,0,-1,0,0,0,0,1,0,0}(x_4^2 + y_4^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) - b^r_{3,0,-1,0,0,1,0,0,0,0}(x_3^2+$$

$$y_3^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) - b^r_{3,0,-1,1,0,0,0,0,0,0}(x_2^2 + y_2^2)(x_1^3x_2+$$

$$3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) - b^r_{3,0,0,0,-1,0,1,0,-1,0}(x_1^3x_3x_4x_5 + x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5+$$

$$x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5 - 3x_1^2x_3x_5y_1y_4 + 3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5-$$

$$3x_1x_3x_4x_5y_1^2 - 3x_1x_3y_1^2y_4y_5 + 3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4 - x_3x_4y_1^3y_5+$$

$$x_3x_5y_1^3y_4 - x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) - b^r_{3,0,0,0,1,0,-1,0,-1,0}(x_1^3x_3x_4x_5 - x_1^3x_3y_4y_5+$$

$$x_1^3x_4y_3y_5 + x_1^3x_5y_3y_4 + 3x_1^2x_3x_4y_1y_5 + 3x_1^2x_3x_5y_1y_4 - 3x_1^2x_4x_5y_1y_3+$$

$$3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 - 3x_1x_4y_1^2y_3y_5 - 3x_1x_5y_1^2y_3y_4-$$

$$x_3x_4y_1^3y_5 - x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5) - b^r_{3,0,0,0,1,0,1,0,1,0}(x_1^3x_3x_4x_5-$$

$$x_1^3x_3y_4y_5 - x_1^3x_4y_3y_5 - x_1^3x_5y_3y_4 - 3x_1^2x_3x_4y_1y_5 - 3x_1^2x_3x_5y_1y_4-$$

$$3x_1^2x_4x_5y_1y_3 + 3x_1^2y_1y_3y_4y_5 - 3x_1x_3x_4x_5y_1^2 + 3x_1x_3y_1^2y_4y_5 + 3x_1x_4y_1^2y_3y_5+$$

$$3x_1x_5y_1^2y_3y_4 + x_3x_4y_1^3y_5 + x_3x_5y_1^3y_4 + x_4x_5y_1^3y_3 - y_1^3y_3y_4y_5)-$$

$$b^r_{3,0,1,0,0,0,0,0,-2,0}(x_1^3x_2x_5^2 - x_1^3x_2y_5^2 + 2x_1^3x_5y_2y_5 + 6x_1^2x_2x_5y_1y_5 - 3x_1^2x_5^2y_1y_2+$$

$$3x_1^2y_1y_2y_5^2 - 3x_1x_2x_5^2y_1^2 + 3x_1x_2y_1^2y_5^2 - 6x_1x_5y_1^2y_2y_5 - 2x_2x_5y_1^3y_5+$$

$$x_5^2y_1^3y_2 - y_1^3y_2y_5^2) - b^r_{3,0,1,0,0,0,2,0,0,0}(x_1^3x_2x_4^2 - x_1^3x_2y_4^2 - 2x_1^3x_4y_2y_4-$$

$$6x_1^2x_2x_4y_1y_4 - 3x_1^2x_4^2y_1y_2 + 3x_1^2y_1y_2y_4^2 - 3x_1x_2x_4^2y_1^2 + 3x_1x_2y_1^2y_4^2+$$

$$6x_1x_4y_1^2y_2y_4 + 2x_2x_4y_1^3y_4 + x_4^2y_1^3y_2 - y_1^3y_2y_4^2) - b^r_{3,0,1,0,2,0,0,0,0,0}(x_1^3x_2x_3^2-$$

$$x_1^3x_2y_3^2 - 2x_1^3x_3y_2y_3 - 6x_1^2x_2x_3y_1y_3 - 3x_1^2x_3^2y_1y_2 + 3x_1^2y_1y_2y_3^2-$$

$$3x_1x_2x_3^2y_1^2 + 3x_1x_2y_1^2y_3^2 + 6x_1x_3y_1^2y_2y_3 + 2x_2x_3y_1^3y_3 + x_3^2y_1^3y_2 - y_1^3y_2y_3^2)-$$

$$b^r_{3,1,-1,0,0,0,0,0,0,0}(x_1^2 + y_1^2)(x_1^3x_2 + 3x_1^2y_1y_2 - 3x_1x_2y_1^2 - y_1^3y_2) - b^r_{4,0,-2,0,0,0,0,0,0,0}(x_1^2x_2-$$

$$x_1^2y_2 + 2x_1x_2y_1 + 2x_1y_1y_2 - x_2y_1^2 + y_1^2y_2)(x_1^2x_2 + x_1^2y_2 - 2x_1x_2y_1 + 2x_1y_1y_2 - x_2y_1^2-$$

$$y_1^2y_2) - b^r_{4,0,0,0,0,0,0,0,-2,0}(x_1^2x_5 - x_1^2y_5 + 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 + y_1^2y_5)(x_1^2x_5+$$

$$x_1^2y_5 - 2x_1x_5y_1 + 2x_1y_1y_5 - x_5y_1^2 - y_1^2y_5) - b^r_{4,0,0,0,0,0,2,0,0,0}(x_1^2x_4 - x_1^2y_4 - 2x_1x_4y_1-$$

$$2x_1y_1y_4 - x_4y_1^2 + y_1^2y_4)(x_1^2x_4 + x_1^2y_4 + 2x_1x_4y_1 - 2x_1y_1y_4 - x_4y_1^2 - y_1^2y_4)-$$

$$b^r_{4,0,0,0,2,0,0,0,0,0}(x_1^2x_3 - x_1^2y_3 - 2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2 + y_1^2y_3)(x_1^2x_3 + x_1^2y_3+$$

$$2x_1x_3y_1 - 2x_1y_1y_3 - x_3y_1^2 - y_1^2y_3)$$