GetPauliString

SetDirectory @ NotebookDirectory[];
Import["../Link/QuESTlink.m"];

Doc

? GetPauliString

Symbol

Returns a Pauli string or a weighted sum of symbolic Pauli tensors from a variety of input formats.

GetPauliString[matrix] returns a complex-weighted sum of Pauli tensors equivalent to the given matrix. If the input matrix is Hermitian, the output can

be passed to Chop[] in order to remove the negligible imaginary components.

GetPauliString[index] returns the basis Pauli string corresponding to the given index, where the returned Pauli operator targeting 0 is informed by the least significant bit(s) of the index.

GetPauliString[digits] specifies the Pauli product via the

base-4 digits of its index, where the rightmost digit is the least significant.

GetPauliString[address] opens or downloads the file at address (a string, of a file location or URL), and interprets it as a list of coefficients and Pauli codes. Each line of the file is assumed a separate Pauli tensor with format {coeff code1 code2 ... codeN} (excluding braces) where the codes are in {0,1,2,3} (indicating a I, X, Y, Z), for an N-qubit Pauli string, and are given in order of increasing significance (zero qubit left). Each line must have N+1 terms, which includes the initial real decimal coefficient. For an example, see "https://qtechtheory.org/hamil_6qbLiH.txt".

GetPauliString[..., numQubits] overrides the inferred number of qubits, introducing additional Id operators upon un–targeted qubits (unless explicitly removed with "Removelds"–>False).

GetPauliString[..., {targets}] specifies a list of qubits which the returned Pauli string should target (in the given order), instead of the default targets {0, 1, 2, ...}.

GetPauliString accepts optional argument "Removelds" -> True or False

(default Automatic) which when True, retains otherwise removed Id operators
so that the returned string has an explicit Pauli operator acting upon every qubit.

~

Correctness

Matrix

Floating-point

```
test[in_?MatrixQ] := Module[
                                                                                                                                                                                 {out, check, error},
                                                                                                                                                                             out = GetPauliString[in];
                                                                                                                                                                             check = Simplify @ Normal @ CalcPauliExpressionMatrix[out];
                                                                                                                                                                             error = check -in // N // Abs // Chop // Max;
                                                                                                                                                                             Echo[out, "output: "];
                                                                                                                                                                             Echo[error, "error: "];
                                                                                                                                                                             If[error =!= 0, Style["ERRONEOUS PAULI STRING!", Red]]]
                                                     test @ RandomComplex[(i+1) {-10, 10}, {2, 2}]
» output: (-7.00668 + 3.19368 i) Id<sub>0</sub> + (7.81121 + 5.36322 i) X<sub>0</sub> -
                                                                                (2.97788 + 0.498088 i) Y_0 + (0.333879 - 2.5949 i) Z_0
» error: 0
                                                        test @ RandomComplex[(i+1) {-10, 10}, {8, 8}]
» output: (-2.49044 - 1.20806 i) Id<sub>2</sub> - (0.212075 + 1.1669 i) X<sub>0</sub> - (3.23189 + 1.79369 i) X<sub>1</sub> - (3.23189 + 1.79369 i) X<sub>1</sub> - (3.23189 + 1.79369 i) X<sub>1</sub> - (3.23189 + 1.79369 i)
                                                                                      (\textbf{1.54743} - \textbf{2.71099}\,\, \text{\^{\textbf{1}}}) \,\, \textbf{X}_{0} \,\, \textbf{X}_{1} + (\textbf{4.15637} + \textbf{0.854116}\,\, \text{\^{\textbf{1}}}) \,\, \textbf{X}_{2} - (\textbf{1.23527} - \textbf{0.0508965}\,\, \text{\^{\textbf{1}}}) \,\, \textbf{X}_{0} \,\, \textbf{X}_{2} + (\textbf{0.15637} + \textbf{0.854116}\,\, \text{\^{\textbf{1}}}) \,\, \textbf{X}_{3} + (\textbf{0.15637} + \textbf{0.8541
                                                                                   (\textbf{0.891868} - \textbf{0.612764}\,\,\dot{\textbf{1}})\,\,\,\textbf{X}_{1}\,\,\textbf{X}_{2}\,-\,\,(\textbf{1.52403}\,+\,\textbf{0.838172}\,\,\dot{\textbf{1}})\,\,\,\textbf{X}_{0}\,\,\textbf{X}_{1}\,\,\textbf{X}_{2}\,+\,\,(\textbf{0.810726}\,+\,\textbf{2.25201}\,\,\dot{\textbf{1}})\,\,\,\textbf{Y}_{0}\,-\,\,\textbf{X}_{1}\,\,\dot{\textbf{X}}_{2}\,\,\,\dot{\textbf{X}}_{1}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{1}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{1}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{1}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}}_{2}\,\,\dot{\textbf{X}
                                                                                      (2.35775-1.48545\,\dot{\mathtt{n}})\;\;X_1\;Y_0\;+\;(0.634575-4.4258\,\dot{\mathtt{n}})\;\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;Y_0\;+\;(0.727734\;+\;0.438274\,\dot{\mathtt{n}})\;\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_1\;X_2\;X_2\;X_2\;X_1\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2\;X_2\;X_1\;X_2\;X_1\;X_2\;X_1\;X_2
                                                                                   (0.208091 + 0.520604\,\dot{\mathtt{1}}) \ Y_1 + (0.820052 + 2.33842\,\dot{\mathtt{1}}) \ X_0 \ Y_1 + (4.15359 + 1.71228\,\dot{\mathtt{1}}) \ X_2 \ Y_1 - (4.15359 + 1.71228\,\dot{\mathtt{1}}) \ X_2 \ Y_3 - (4.15359 + 1.71228\,\dot{\mathtt{1}}) \ X_3 \ Y_4 + (4.15359 + 1.71228\,\dot{\mathtt{1}}) \ X_4 \ Y_4 - (4.15359 + 1.71228\,\dot{\mathtt{1}}) \ X_4 \ Y_4 - (4.15359 + 1.71228\,\dot{\mathtt{1}}) \ X_5 \ Y_5 \ Y_5 - (4.15359 + 1.71228\,\dot{\mathtt{1}
                                                                                      (1.93823 - 2.0618 \pm) \ X_0 \ X_2 \ Y_1 + (0.349336 + 1.39444 \pm) \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y_1 - (0.819729 + 2.57101 \pm) \ X_2 \ Y_0 \ Y
                                                                                   (\textbf{0.373907} - \textbf{0.359999}\,\, \dot{\textbf{1}}) \,\, Y_2 + (\textbf{4.71596} + \textbf{0.25892}\,\, \dot{\textbf{1}}) \,\, X_0 \,\, Y_2 - (\textbf{0.672429} - \textbf{1.59888}\,\, \dot{\textbf{1}}) \,\, X_1 \,\, Y_2 - (\textbf{0.672429} - \textbf{1.59888}\,\, \dot{\textbf{1}}) \,\, X_1 \,\, Y_2 - (\textbf{0.672429} - \textbf{1.59888}\,\, \dot{\textbf{1}}) \,\, X_2 \,\, Y_3 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_3 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.69888}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4 + (\textbf{0.672429} - \textbf{1.6988}\,\, \dot{\textbf{1}}) \,\, X_4 \,\, Y_4
                                                                                   (2.72122 + 3.46905 \pm) \ X_0 \ X_1 \ Y_2 + (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 + (0.548713 - 0.0123168 \pm) \ X_1 \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_2 - (0.452538 - 1.14591 \pm) \ Y_0 \ Y_
                                                                                   (\textbf{1.87275} - \textbf{1.98983}\,\,\dot{\textbf{1}})\,\,\,Y_{1}\,\,Y_{2} + \,(\textbf{2.38408} + \textbf{0.0833225}\,\,\dot{\textbf{1}})\,\,\,X_{0}\,\,Y_{1}\,\,Y_{2} - \,(\textbf{0.50981} + \textbf{0.192193}\,\,\dot{\textbf{1}})\,\,\,Y_{0}\,\,Y_{1}\,\,Y_{2} - \,(\textbf{0.50981} + \textbf{0.192193}\,\,\dot{\textbf{1}})\,\,Y_{0}\,\,Y_{1}\,\,Y_{2} - \,(\textbf{0.50981} + \textbf{0.192193}\,\,\dot{\textbf{1}})\,\,Y_{0}\,
                                                                                   (2.74429 - 4.71331\,\dot{\mathrm{n}}) \ Z_0 - (1.33776 + 1.29521\,\dot{\mathrm{n}}) \ X_1 \ Z_0 + (1.74927 + 0.661787\,\dot{\mathrm{n}}) \ X_2 \ Z_0 + (1.74927 + 0.661787\,\dot{\mathrm{n}}) \ X_2 \ Z_0 + (1.74927 + 0.661787\,\dot{\mathrm{n}}) \ X_2 \ Z_0 + (1.74927 + 0.661787\,\dot{\mathrm{n}}) \ X_1 \ Z_0 + (1.74927 + 0.661787\,\dot{\mathrm{n}}) \ X_2 \ Z_0 + (1.74927 + 0.661787\,\dot{\mathrm{n}}) \ X_1 \ Z_0 + (1.74927 + 0.66178\,\dot{\mathrm{n}}) \ X_1 \ Z_0 +
                                                                                      (3.87285 - 2.64535 \pm) \ X_1 \ X_2 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 - (2.58112 + 3.28808 \pm) \ X_2 \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_2 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.206531 \pm) \ Y_1 \ Z_0 + (3.0244 + 0.2065
                                                                                   (0.512303 + 1.14665 \pm) Y_2 Z_0 - (0.0707985 - 0.0273257 \pm) X_1 Y_2 Z_0 +
                                                                                   (1.42501 + 2.64045 \pm) \ Y_1 \ Y_2 \ Z_0 - (1.75389 + 2.74997 \pm) \ Z_1 + (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_1 - (2.12932 - 0.0767908 \pm) \ X_0 \ Z_
                                                                                   (1.71369 + 0.774871 \pm) \ X_2 \ Z_1 + (0.124729 + 0.777768 \pm) \ X_0 \ X_2 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.101899 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1 - (0.10189 + 0.423164 \pm) \ Y_0 \ Z_1
                                                                                   (\textbf{1.94578} + \textbf{2.28041}\,\,\dot{\textbf{1}})\,\,\,\textbf{X}_2\,\,\textbf{Y}_0\,\,\textbf{Z}_1\,-\,\,(\textbf{0.257175} - \textbf{1.95244}\,\,\dot{\textbf{1}})\,\,\,\textbf{Y}_2\,\,\textbf{Z}_1\,+\,\,(\textbf{0.696273} - \textbf{1.38164}\,\,\dot{\textbf{1}})\,\,\,\textbf{X}_0\,\,\textbf{Y}_2\,\,\textbf{Z}_1\,-\,\,\textbf{X}_2\,\,\textbf{X}_2\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,\,\textbf{X}_3\,\,
                                                                                   (\textbf{2.66732} - \textbf{2.85036}\,\,\dot{\textbf{1}})\,\,\,Y_{\textbf{0}}\,\,Y_{\textbf{2}}\,\,Z_{\textbf{1}} \,+\,\, (\textbf{2.03809} \,-\, \textbf{1.21986}\,\,\dot{\textbf{1}})\,\,\,Z_{\textbf{0}}\,\,Z_{\textbf{1}} \,+\,\, (\textbf{0.691456} \,+\, \textbf{0.474088}\,\,\dot{\textbf{1}})\,\,\,X_{\textbf{2}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{1}} \,-\,\, \textbf{0.691456}\,\,\dot{\textbf{1}})\,\,\,X_{\textbf{0}}\,\,Z_{\textbf{1}} \,+\,\, \textbf{0.691456}\,\,\dot{\textbf{1}}_{\textbf{0}}\,\,X_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,Z_{\textbf{0}}\,
                                                                                   (6.0647 - 1.48904 \pm) \ Y_2 \ Z_0 \ Z_1 - (0.227803 - 1.40146 \pm) \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 \ Z_2 - (2.18543 + 3.24923 \pm) \ X_0 
                                                                                      (\textbf{0.909767} + \textbf{0.0661402}\ \underline{\text{i}})\ X_{1}\ Z_{2} + (\textbf{2.65567} - \textbf{0.600581}\ \underline{\text{i}})\ X_{0}\ X_{1}\ Z_{2} -
                                                                                   (1.72822 + 3.34217 \pm) + Y_0 + Z_2 - (3.11921 - 2.32638 \pm) + X_1 + Y_0 + Z_2 + (0.219872 + 3.2526 \pm) + Y_1 + Z_2 - (0.219872 + 3.2526 \pm) + Z_3 + Z_4 + Z_4 + Z_5 
                                                                                   (2.95911 + 1.3647 \pm) \ X_0 \ Y_1 \ Z_2 - (1.61726 - 2.62988 \pm) \ Y_0 \ Y_1 \ Z_2 - (1.10771 - 0.00761072 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_2 + (2.95911 + 2.3647 \pm) \ Z_0 \ Z_0 \ Z_0 \ Z_0 \ Z_0 + (2.95911 + 2.3647 \pm) \ Z_0 \
                                                                                   (\textbf{0.934672} + \textbf{2.79614} \pm) \ \ \textbf{X}_{1} \ \textbf{Z}_{0} \ \textbf{Z}_{2} + (\textbf{3.78287} - \textbf{2.04935} \pm) \ \ \textbf{Y}_{1} \ \textbf{Z}_{0} \ \textbf{Z}_{2} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{1} \ \textbf{Z}_{2} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{1} \ \textbf{Z}_{2} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{1} \ \textbf{Z}_{2} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{1} \ \textbf{Z}_{2} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{2} \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.51665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.516665} \pm) \ \ \textbf{Z}_{3} \ \ \textbf{Z}_{3} + (\textbf{0.127662} - \textbf{1.516665} \pm) \ \ \textbf{Z}_{4
                                                                                   (4.86852 - 3.43825 \pm) \ X_0 \ Z_1 \ Z_2 + (1.84714 - 1.246 \pm) \ Y_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_2 \ Z_1 \ Z_2 - (1.36905 - 0.69544 \pm) \ Z_0 \ Z_1 \ Z_1 \ Z_2 \ Z_1 \ Z_2 \ Z_2 \ Z_1 \ Z_2 \ Z_1 \ Z_2 \ 
» error: 0
                                                     test@RandomReal[{-10, 10}, {4, 4}]
```

```
» output: 1.14838 \text{ Id}_1 + 3.85604 \text{ X}_0 - 1.9814 \text{ X}_1 + 1.75339 \text{ X}_0 \text{ X}_1 + (0. + 3.98919 \pm) \text{ Y}_0 + (0. + 3.98
                                            (0. + 2.92098 \pm) X_1 Y_0 - (0. + 4.86775 \pm) Y_1 - (0. + 1.84303 \pm) X_0 Y_1 -
                                          4.72021 Y_0 Y_1 + 2.90106 Z_0 - 4.87751 X_1 Z_0 + (0. + 1.94828 \dot{\text{1}}) Y_1 Z_0 -
                                        \textbf{2.33817} \ \textbf{Z}_{1} \ + \ \textbf{0.142408} \ \textbf{X}_{0} \ \textbf{Z}_{1} \ - \ (\textbf{0.} \ + \ \textbf{0.746517} \ \dot{\textbf{1}} \ ) \ \textbf{Y}_{0} \ \textbf{Z}_{1} \ + \ \textbf{4.58818} \ \textbf{Z}_{0} \ \textbf{Z}_{1}
```

» error: 0

hermitian = -i MatrixLog @ RandomVariate @ CircularUnitaryMatrixDistribution @ 4; test @ hermitian

>> output:
$$(0.683874 + 2.2565 \times 10^{-17} \ \text{i}) \ \text{Id}_1 - (0.827743 - 5.55112 \times 10^{-17} \ \text{i}) \ \text{X}_0 - (0.0245703 + 2.22045 \times 10^{-16} \ \text{i}) \ \text{X}_1 - (0.0405739 - 1.11022 \times 10^{-16} \ \text{i}) \ \text{X}_0 \ \text{X}_1 - (0.249497 + 8.32667 \times 10^{-17} \ \text{i}) \ \text{Y}_0 - (0.453204 - 6.46184 \times 10^{-17} \ \text{i}) \ \text{X}_1 \ \text{Y}_0 + (0.410178 - 2.42861 \times 10^{-16} \ \text{i}) \ \text{Y}_1 - (0.97914 - 5.29524 \times 10^{-16} \ \text{i}) \ \text{X}_0 \ \text{Y}_1 - (0.0369672 + 3.33067 \times 10^{-16} \ \text{i}) \ \text{Y}_0 \ \text{Y}_1 + (0.301011 + 7.1266 \times 10^{-17} \ \text{i}) \ \text{Z}_0 + (0.126721 + 1.11022 \times 10^{-16} \ \text{i}) \ \text{X}_1 \ \text{Z}_0 - (0.653224 + 1.249 \times 10^{-16} \ \text{i}) \ \text{Y}_1 \ \text{Z}_0 + (0.294198 + 8.10441 \times 10^{-17} \ \text{i}) \ \text{Z}_1 + (0.0992372 + 2.77556 \times 10^{-17} \ \text{i}) \ \text{X}_0 \ \text{Z}_1 + (0.0683445 + 8.32667 \times 10^{-17} \ \text{i}) \ \text{Y}_0 \ \text{Z}_1 - (0.191605 - 1.11273 \times 10^{-16} \ \text{i}) \ \text{Z}_0 \ \text{Z}_1$$

» error: 0

test @ Table[0., 2, 2]

- » output: 0. + 0. i
- » error: 0

Integer

test @ RandomInteger[{-10, 10}, {2, 2}]

» output:
$$-\frac{7 \text{ Id}_{\theta}}{2} + 8 X_{\theta} - i Y_{\theta} + \frac{11 Z_{\theta}}{2}$$

» error: 0

test @ RandomInteger[{-10, 10}, {4, 4}]

$$\begin{array}{l} \text{ output: } & \frac{9 \ \text{Id}_1}{2} + X_0 - \frac{3 \ X_1}{4} - \frac{19 \ X_0 \ X_1}{4} - \frac{5 \ \dot{\mathbb{1}} \ Y_0}{2} - \frac{9}{4} \ \dot{\mathbb{1}} \ X_1 \ Y_0 + \frac{23 \ \dot{\mathbb{1}} \ Y_1}{4} + \\ & \frac{11}{4} \ \dot{\mathbb{1}} \ X_0 \ Y_1 + \frac{7 \ Y_0 \ Y_1}{4} + Z_0 + \frac{3 \ X_1 \ Z_0}{4} + \frac{1}{4} \ \dot{\mathbb{1}} \ Y_1 \ Z_0 + 3 \ Z_1 + 4 \ X_0 \ Z_1 - \frac{1}{2} \ \dot{\mathbb{1}} \ Y_0 \ Z_1 + \frac{Z_0 \ Z_1}{2} + \frac{Z_$$

» error: 0

test @ Table[1, {i, 8}, {i, 8}]

- » output: $Id_2 + X_0 + X_1 + X_0 X_1 + X_2 + X_0 X_2 + X_1 X_2 + X_0 X_1 X_2$
- » error: 0

test @ Table [0, {i, 8}, {i, 8}]

- » output: 0
- » error: 0

test[IdentityMatrix[8]]

- » output: Id₂
- » error: 0

Symbolic

test @ {{a, b}, {c, d}}

> output:
$$\frac{1}{2}$$
 (a + d) Id₀ + $\frac{1}{2}$ (b + c) X₀ + $\frac{1}{2}$ (i b - i c) Y₀ + $\frac{1}{2}$ (a - d) Z₀

> error: 0

test[a IdentityMatrix[4]]

> output: a Id₁

> error: 0

test @ Table[a, {i, 8}, {i, 8}]

> output: a Id₂ + a X₀ + a X₁ + a X₀ X₁ + a X₂ + a X₀ X₂ + a X₁ X₂ + a X₀ X₁ X₂

> error: 0

test @ RandomChoice[{a, b, c, d}, {4, 4}]

> output: $\frac{1}{4}$ (2 a + b + c) Id₁ + $\frac{1}{4}$ (2 b + c + d) X₀ + $\frac{1}{4}$ (2 a + 2 d) X₁ +

$$\frac{1}{4}$$
 (a + b + c + d) X₀ X₁ + $\frac{1}{4}$ (-i c + i d) Y₀ + $\frac{1}{4}$ (-i a - i b + i c + i d) X₁ Y₀ +

$$\frac{1}{4}$$
 (i a - i b - i c + i d) X₀ Y₁ + $\frac{1}{4}$ (a - b + c - d) Y₀ Y₁ + $\frac{1}{4}$ (-b + c) Z₀ + $\frac{1}{4}$ (-2 a + 2 d) X₁ Z₀ +

$$\frac{1}{4}$$
 (-2 a + b + c) Z₁ + $\frac{1}{4}$ (2 b - c - d) X₀ Z₁ + $\frac{1}{4}$ (i c - i d) Y₀ Z₁ + $\frac{1}{4}$ (-b + c) Z₀ Z₁

numQubits

$$\begin{aligned} &\text{m = RandomInteger[\{-10, 10\}, \{4, 4\}];} \\ &\text{GetPauliString[m, 5]} \\ &\text{GetPauliString[m, 5, "RemoveIds"} \rightarrow &\text{True];} \\ &\text{CalcPauliExpressionMatrix[\&] === CalcPauliExpressionMatrix[\&\&]} \\ &\frac{7}{2} \text{ Id}_0 \text{ Id}_1 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 - \frac{3}{4} \text{ Id}_1 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ X}_0 + \frac{15}{4} \text{ Id}_0 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ X}_1 - \frac{7}{4} \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ X}_0 \text{ X}_1 - \frac{3}{4} \text{ i Id}_1 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Y}_0 + \frac{21}{4} \text{ i Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ X}_1 \text{ Y}_0 - \frac{1}{4} \text{ i Id}_0 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Y}_1 + \frac{9}{4} \text{ i Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ X}_0 \text{ Y}_1 - \frac{13}{4} \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Y}_0 + \frac{1}{4} \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Z}_0 + \frac{19}{4} \text{ i Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Y}_1 \text{ Z}_0 + \frac{19}{4} \text{ i Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Z}_1 + \frac{1}{4} \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ X}_0 \text{ Z}_1 + \frac{29}{4} \text{ i Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Y}_0 \text{ Z}_1 - \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Z}_0 \text{ Z}_1 \\ \end{aligned}$$

True

targets

```
m = RandomInteger[{-10, 10}, {2, 2}];
GetPauliString[m]
GetPauliString[m, {5}]
2 Id_0 + \frac{9 X_0}{2} + \frac{5 i Y_0}{2} + 4 Z_0
2 \operatorname{Id}_5 + \frac{9 X_5}{2} + \frac{5 \pm Y_5}{2} + 4 Z_5
m = RandomComplex[\{-1-i, 1+i\}, \{4, 4\}];
pA = GetPauliString[m];
mA = KroneckerProduct[CalcPauliExpressionMatrix[pA], IdentityMatrix[4]];
pB = GetPauliString[m, {2,3}];
mB = CalcPauliExpressionMatrix[pB];
mA - mB // Abs // Max
0.
```

Removelds

```
m = RandomInteger[{-10, 10}, {4, 4}];
   GetPauliString[m];
   GetPauliString[m, "RemoveIds" → False]
   CalcPauliExpressionMatrix[%] === CalcPauliExpressionMatrix[%%]
-\,\frac{15}{4}\,\,\text{Id}_{0}\,\,\text{Id}_{1}\,+\,\frac{23\,\,\text{Id}_{0}\,\,X_{1}}{4}\,\,-\,\frac{1}{2}\,\,\dot{\mathbb{1}}\,\,\text{Id}_{1}\,\,Y_{0}\,+\,4\,\,\dot{\mathbb{1}}\,\,X_{1}\,\,Y_{0}\,+\,\frac{3}{4}\,\,\dot{\mathbb{1}}\,\,\text{Id}_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,Y_{1}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,+\,\frac{11}{2}\,\,\dot{\mathbb{1}}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X_{0}\,\,X
                \frac{\text{Y}_{0}\text{ Y}_{1}}{2}-\frac{3\text{ Id}_{1}\text{ Z}_{0}}{4}+\frac{5\text{ X}_{1}\text{ Z}_{0}}{4}-\frac{7}{4}\text{ i}\text{ Y}_{1}\text{ Z}_{0}-\frac{3\text{ Id}_{0}\text{ Z}_{1}}{4}-\frac{5\text{ X}_{0}\text{ Z}_{1}}{2}-3\text{ i}\text{ Y}_{0}\text{ Z}_{1}+\frac{25\text{ Z}_{0}\text{ Z}_{1}}{4}
   True
```

Index

```
GetPauliString[41-1]
GetPauliString [4^2 - 1]
GetPauliString[43 - 1]
Z<sub>0</sub>
Z_0 Z_1
Z_0 Z_1 Z_2
GetPauliString[5]
X<sub>0</sub> X<sub>1</sub>
```

numQubits

```
GetPauliString[0]
  GetPauliString[0, 2]
  GetPauliString[0, 3]
  Id_0
  Id₀ Id₁
  Id_0 Id_1 Id_2
targets
  GetPauliString[0]
```

```
GetPauliString[0, {52}]
Id_0
Id_{52}
GetPauliString[123]
GetPauliString[123, {9, 8, 7, 6}]
X_3 Y_1 Z_0 Z_2
X_6 Y_8 Z_7 Z_9
GetPauliString[3, 3, {1, 2, 3}]
\text{Id}_2 \; \text{Id}_3 \; Z_1
```

Removelds

```
GetPauliString[4, "RemoveIds" → False]
Id₀ X₁
GetPauliString[0, 5, "RemoveIds" → False]
Id_0 Id_1 Id_2 Id_3 Id_4
GetPauliString[56921, 10, "RemoveIds" → False]
\text{Id}_{8}\;\text{Id}_{9}\;\text{X}_{0}\;\text{X}_{2}\;\text{X}_{3}\;\text{X}_{6}\;\text{Y}_{1}\;\text{Y}_{4}\;\text{Z}_{5}\;\text{Z}_{7}
GetPauliString[0, "RemoveIds" → True]
GetPauliString[0, 5, "RemoveIds" → True]
Id_4
GetPauliString[1, "RemoveIds" → True]
X_{\text{0}}
```

Digits

```
GetPauliString[{0, 0, 0}]
Id_0
GetPauliString[{0, 0, 0}, 4]
Id<sub>0</sub> Id<sub>1</sub> Id<sub>2</sub> Id<sub>3</sub>
GetPauliString[{0, 0, 0}, 4, "RemoveIds" → True]
Id_3
GetPauliString[{1, 0, 0}, {1, 2, 3}]
\chi_3
```

Address

File

```
setTmpFile[str_] := (
     DeleteFile["tmp.txt"];
     WriteString["tmp.txt", str])
setTmpFile["12.3 0"];
GetPauliString["tmp.txt"]
12.3 Id<sub>0</sub>
setTmpFile[".1 0 1 2 3"];
GetPauliString["tmp.txt"]
0.1 X_1 Y_2 Z_3
setTmpFile["99 0 1 2 3\n33 3 2 1 0"];
GetPauliString["tmp.txt"]
33\; X_2\; Y_1\; Z_0\; +\; 99\; X_1\; Y_2\; Z_3
```

URL

```
GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt"]
```

```
-6.52209\ {\tt Id_0}-0.00168947\ {\tt X_0}+0.000335609\ {\tt X_1}+0.00233908\ {\tt X_0}\ {\tt X_1}-0.00518865\ {\tt X_2}-0.00168947\ {\tt X_0}+0.000335609\ {\tt X_0}+0.000335908\ {\tt X_0}+0.000335909\ {\tt X_0}+0.000339909\ {\tt X_0}+0.00039909\ {\tt X_0}+0.00039909\ {\tt X_0}+0.00039909\ {\tt X_0}+0.00039909\ {\tt X_0}+0.00039909\ {\tt X_0}+0.0009909\ {\tt X_0}+0.0009\ {\tt X_0}+0.0009909\ {\tt X_0}+0.0009909\ {\tt X_0}+0.0009909\ {\tt X_0
                      \textbf{2.32678} \times \textbf{10}^{-6} \; \textbf{X}_{0} \; \textbf{X}_{2} \; - \; \textbf{0.00238276} \; \textbf{X}_{1} \; \textbf{X}_{2} \; - \; \textbf{0.000333484} \; \textbf{X}_{0} \; \textbf{X}_{1} \; \textbf{X}_{2} \; + \; \textbf{0.0561302} \; \textbf{X}_{3} \; + \; \textbf{0.0561302} \; \textbf{0.0561302} \; \textbf{X}_{3} \; + \; \textbf{0.0561302} \; \textbf{0.05
                      0.0000211588 \ X_0 \ X_3 + 0.0000198838 \ X_0 \ X_1 \ X_3 - 0.000133652 \ X_2 \ X_3 - 0.0000311241 \ X_1 \ X_2 \ X_3 + 0.0000198838 \ X_0 \ X_1 \ X_2 \ X_3 - 0.0000133652 \ X_2 \ X_3 - 0.00000311241 \ X_1 \ X_2 \ X_3 + 0.0000198838 \ X_0 \ X_1 \ X_2 \ X_3 - 0.0000133652 \ X_2 \ X_3 - 0.00000311241 \ X_1 \ X_2 \ X_3 - 0.00001311241 \ X_1 \ X_2 \ X_3 - 0.000001311241 \ X_1 \ X_2 \ X_3 - 0.00001311241 \ X_1 \ X_2 \ X_3 - 0.000001311241 \ X_1 \ X_2 \ X_3 - 0.0000001311241 \ X_1 \ X_2 \ X_3 - 0.000001311241 \ X_1 \ X_2 \ X_3 - 0.00000001311241 \ X_1 \ X_2 \ X_3 - 0.000001311241 \ X_1 \ X_2 \ X_3 - 0
                      0.000547046\ X_{4}+0.00165752\ X_{3}\ X_{4}-0.00600013\ X_{0}\ X_{3}\ X_{4}-0.00812442\ X_{2}\ X_{3}\ X_{4}+0.00165752\ X_{3}\ X_{4}+0.00600013\ X_{0}\ X_
                      0.000447423 \; X_5 - 0.0000517994 \; X_0 \; X_5 + 0.00019084 \; X_0 \; X_1 \; X_5 - 0.0000777401 \; X_2 \; X_5 - 0.0000777401 \; X_5 - 0.00000777401 \; X_5 - 0.0000777401 \; X_5 - 0.0000777401 \; X_5 - 0.00000777401 \; X_5 - 0.0000777401 \; X_5 - 0.0000777401 \; X_5 - 0.00000777401 \; X_5 - 0.0000777401 \; X_5 - 0.0000777401 \; X_5 - 0.00000777401 \; X_5 - 0.0000777401 \; X_5 - 0.00000777401 \; X_5 - 0.000
                         0.00634842 \ X_0 \ X_1 \ X_4 \ X_5 - 0.000177071 \ X_2 \ X_4 \ X_5 - 0.00636179 \ X_1 \ X_2 \ X_4 \ X_5 +
```

```
0.0000532277~X_2~X_3~X_4~Y_0~Y_1-4.65274\times 10^{-6}~X_2~X_5~Y_0~Y_1+0.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_4~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.00135462~X_2~X_5~Y_0~Y_1-10.0013540~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001364~X_1-10.001564~X_1-10.001564~X_1-10.001564~X_1-10.001564~X_1-10.001564~X_1-10.001564~X_1-10.001
0.0000200195 \; X_1 \; Y_0 \; Y_3 - 0.00600159 \; X_4 \; Y_0 \; Y_3 - 0.0000200201 \; X_1 \; Y_2 \; Y_3 - 0.00811879 \; X_4 \; Y_2 \; Y_3 + 0.0000200201 \; X_1 \; Y_2 \; Y_3 - 0.000011879 \; X_4 \; Y_2 \; Y_3 + 0.000011879 \; X_4 \; Y_5 + 0.000011879 \; X_5 + 0.000
0.000605355 \; Y_0 \; Y_4 + 0.00218376 \; X_1 \; X_3 \; X_5 \; Y_0 \; Y_4 + 0.0000212508 \; X_3 \; X_5 \; Y_1 \; Y_4 + 0.0000212508 \; X_5 \; Y_1 \; Y_4 + 0.00000212508 \; X_5 \; Y_1 \; Y_4 + 0.0000212508 \; X_5 \; Y_1 \; Y_4 + 0.0000212508 \; X_5 \; Y_1 \; Y_4 + 0.0000212508 \; X_5 \; Y_1 \; Y_2 + 0.0000212508 \; X_5 \; Y_2 + 0.0000212508 \; X_5 \; Y_5 + 0.0000212508 \; X_5 \; Y_5 + 0.00000212508 \; X_5 \; Y_5 + 0.0000212508 \; X_5 \; Y_5 + 0.0000212508 \; X_5 + 0.00000212508 \; X_5 + 0.00000212508 \; X_5 + 0.00000212508 \; X_5 + 0.00000212508 \; X_5 + 0.00000
 0.000818909 \; Y_2 \; Y_4 - 0.00218383 \; X_1 \; X_3 \; X_5 \; Y_2 \; Y_4 + 0.00115327 \; Y_3 \; Y_4 - 0.0118593 \; X_5 \; Y_3 \; Y_4 - 0.00118593 \; X_5 \; Y_3 \; Y_4 - 0.00118593 \; X_5 \; Y_5 \; Y_5 \; Y_6 + 0.00118593 \; X_5 \; Y_7 \; Y_8 + 0.00118593 \; X_7 \; Y_8 + 0.00118593 \; X_8 \; Y_8 + 0.
6.82832\times 10^{-6}~X_{0}~X_{5}~Y_{3}~Y_{4}-0.00218371~X_{0}~X_{1}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.00000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{3}~Y_{4}+0.0000425857~X_{2}~X_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~Y_{5}~
0.00218728 \; X_1 \; X_2 \; X_5 \; Y_3 \; Y_4 - 0.000359442 \; X_2 \; X_5 \; Y_0 \; Y_1 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 \; Y_5 \;
0.000135095 \; X_1 \; Y_0 \; Y_5 + 0.00605026 \; X_4 \; Y_0 \; Y_5 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 - 0.000135099 \; X_1 \; Y_2 \; Y_5 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 - 0.000135099 \; X_1 \; Y_2 \; Y_3 + 1.31469 \; X_1 \; Y_3 +
 0.00818463 \; X_4 \; Y_2 \; Y_5 \; + \; 0.00562722 \; X_4 \; Y_3 \; Y_5 \; + \; 0.00262718 \; Y_4 \; Y_5 \; + \; 0.0118593 \; X_3 \; Y_4 \; Y_5 \; - \; 0.00262718 \; Y_4 \; Y_5 \; + \; 0.00118593 \; X_3 \; Y_4 \; Y_5 \; - \; 0.00262718 \; Y_4 \; Y_5 \; + \; 0.00118593 \; X_3 \; Y_4 \; Y_5 \; - \; 0.00262718 \; Y_4 \; Y_5 \; + \; 0.00118593 \; X_3 \; Y_4 \; Y_5 \; - \; 0.00262718 \; Y_4 \; Y_5 \; + \; 0.00262718 \; Y_5 \; + \; 0.00262718
0.00207761 \ X_0 \ X_3 \ Y_4 \ Y_5 - 0.00286236 \ X_2 \ X_3 \ Y_4 \ Y_5 - 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ Y_4 \ Y_5 + 3.44924 \times 10^{-6} \ X_1 \ X_2 \ X_3 \ X_2 \ X_3 \ X_3 \ X_3 \ X_3 \ X_3 \ X_4 \ X_3 
 0.000359442 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Y_4 \; Y_5 - 0.000359442 \; X_0 \; X_3 \; Y_1 \; Y_2 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_3 \; Y_4 \; Y_5 - 0.00208444 \; Y_0 \; Y_0 + 0.00208444 \; Y_0 + 0.0020844 \; Y_0
 0.00281977 \; Y_2 \; Y_3 \; Y_4 \; Y_5 - 0.185375 \; Z_0 \; + \; 0.00317514 \; X_1 \; Z_0 - 0.000313619 \; X_2 \; Z_0 \; - \; 0.0003109 \; X_0 \; Z_0 \; - \; 0.0003109 \; X_0 \; Z_0 \; Z_0 \; - \; 0.000310
0.000349657~X_1~X_2~Z_0-0.0164168~X_3~Z_0-0.000593557~X_1~X_3~Z_0-0.000768553~X_3~X_4~Z_0-0.000768553~X_3~X_4~Z_0-0.000768553~X_3~X_4~Z_0-0.000768553~X_3~X_4~Z_0-0.000768553~X_3~X_4~Z_0-0.000768553~X_3~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.000768553~X_0-0.00076857~X_0-0.00076857~X_0-0.0007685~X_0-0.0007685~X_0-0.0007685~X_0-0.0007685~X_0-0.0007685~X_0-0.0007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.00007685~X_0-0.0000768~X_0-0.0000768~X_0-0.0000768~X_0-0.0000768~X_0-0.0000768~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.0000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.000076~X_0-0.0000076~X_0-0.000076~X_0-0.0000076~X_0-0.0000076~X_0-0.0000076~X_0-0.0000076~X_0-0.00000076~X_0-0.
 0.0000767563 \; X_1 \; X_3 \; X_4 \; Z_0 \; - \; 0.000758441 \; X_5 \; Z_0 \; + \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.00000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_5 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_0 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_0 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_0 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_0 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_0 \; Z_0 \; - \; 0.0000287213 \; X_1 \; X_0 \; Z_0 \; - \; 0.0000287213 \; X_1 \; Z_0 \; - \; 0.0000287213 \; X_0 \; Z_0 \; - \; 0.00000287213 \; X_0 \; Z_0 \; - \; 0.00000287213 \; X_0 \; Z_0
 0.02022 \; X_4 \; X_5 \; Z_0 \; - \; 0.000653789 \; X_1 \; X_4 \; X_5 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_2 \; Z_0 \; - \; 0.00238276 \; Y_1 \; Y_1 \; Z_0 \; - \; 0.002676 \; X_1 \; Z_0 \; - \; 0.002676 \; X_1 \; Z_0 \; Z_0 \; - \; 0.002676 \; X_1 \; Z_
0.000023046 \; X_4 \; X_5 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.00628775 \; X_2 \; X_4 \; Y_1 \; Y_3 \; Z_0 \; - \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_4 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; X_3 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; X_3 \; X_3 \; Y_1 \; Y_2 \; Z_0 \; + \; 0.000634219 \; X_2 \; X_3 \; X_3
0.00524 \; X_5 \; Y_3 \; Y_4 \; Z_0 \; + \; 0.000176569 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_0 \; + \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 10^{-6} \; X_1 \; Y_1 \; Y_2 \; Y_3 
0.00633874 \; X_2 \; X_4 \; Y_1 \; Y_5 \; Z_0 \; - \; 0.00524 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_4 \; Y_5 \; Z_0 \; - \; 0.00019782 \; X_1 \; X_2 \; X_2 \; X_3 \; X_3 \; X_4 \; X_3 \; X_4 \; X_3 \; X_4 \; X_3 \; X_4 \; X_5 \;
 0.00218728 \; X_3 \; Y_1 \; Y_2 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.235213 \; Z_1 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.00218383 \; X_2 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; + \; 0.0
0.00018075 \ X_0 \ X_5 \ Z_1 + 0.000252181 \ X_2 \ X_5 \ Z_1 + 0.00603326 \ X_0 \ X_4 \ X_5 \ Z_1 +
0.00836171~X_2~X_4~X_5~Z_1+0.0644557~Y_0~Y_2~Z_1+0.0000191089~Y_0~Y_3~Z_1+
0.0000258501 \ Y_2 \ Y_3 \ Z_1 + 0.00208444 \ X_3 \ X_5 \ Y_0 \ Y_4 \ Z_1 + 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.00281977 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.0028197 \ X_3 \ X_5 \ Y_2 \ Y_4 \ Z_1 - 0.002819 \ X_5 \ X
0.00207761~X_0~X_5~Y_3~Y_4~Z_1-0.00286236~X_2~X_5~Y_3~Y_4~Z_1+0.00012895~Y_0~Y_5~Z_1+
0.000174441\ Y_{2}\ Y_{5}\ Z_{1}-6.82832\times 10^{-6}\ X_{0}\ X_{3}\ Y_{4}\ Y_{5}\ Z_{1}+0.0000425857\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ Z_{1}-
0.000726068 \ X_5 \ Z_0 \ Z_1 - 0.0221369 \ X_4 \ X_5 \ Z_0 \ Z_1 + 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_3 \ Y_4 \ Z_0 \ Z_1 - 0.00575159 \ X_5 \ Y_5 \ Y
0.00575159 \; X_3 \; Y_4 \; Y_5 \; Z_0 \; Z_1 \; - \; 0.408535 \; Z_2 \; + \; 0.000313609 \; X_0 \; Z_2 \; - \; 0.00317514 \; X_1 \; Z_2 \; - \; 0.00317514 \; X_1 \; Z_2 \; - \; 0.00317514 \; X_3 \; Z_3 \; - \; 0.00317514 \; X_4 \; Z_3 \; - \; 0.00317514 \; X_4 \; Z_3 \; - \; 0.00317514 \; X_4 \; Z_4 \; - \; 0.00317514 \; X_4 \; Z_5 \; - \; 0.00317514 \; X_5 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.003175
0.000346402\; X_0\; X_1\; Z_2-0.0154095\; X_3\; Z_2+0.000593752\; X_1\; X_3\; Z_2-0.00072171\; X_3\; X_4\; Z_2+0.00072171\; X_3\; X_3\; Z_2+0.00072171\; X_3\; X_3\; Z_2+0.00072171\; X_3\; X_3
0.0000155702 \; X_1 \; X_3 \; X_4 \; Z_2 - 0.000733397 \; X_5 \; Z_2 - 0.0000274067 \; X_1 \; X_5 \; Z_2 - 0.0190046 \; X_4 \; X_5 \; Z_2 + 0.0190046 \; X_4 \; X_5 \; Z_3 + 0.0190046 \; X_4 \; X_5 \; Z_4 + 0.0190046 \; X_4 \; X_5 \; Z_5 + 0.0190046 \; X_4 \; X_5 \; Z_5 + 0.0190046 \; X_5 \; Z_5 + 0.0190046 \; X_5 \; Z_5 + 0.0190046 \; Z_5 + 0.019004
 0.000715471 \; X_{1} \; X_{4} \; X_{5} \; Z_{2} \; + \; 0.00233908 \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{1} \; Z_{2} \; + \; 0.00628708 \; X_{3} \; X_{4} \; Y_{0} \; Y_{0} \; X_{1} \; Z_{2} \; + \; 0.00628708 \; X_{1} \; X_{2} \; X_{2} \; X_{2} \; X_{3} \; X_{4} \; X_{5} \; X
 0.00218371 \; X_3 \; Y_0 \; Y_1 \; Y_4 \; Y_5 \; Z_2 - 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218371 \; X_3 \; Y_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; + \; 0.162106 \; Z_0 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 \; - \; 0.
0.0000616823 \; X_4 \; Y_1 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.410254 \; Z_1 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_2 - 0.0000212508 \; Y_1 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_0 - 0.0000212508 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_0 - 0.0000212508 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_0 \; Z_0 - 0.0000212508 \; Y_1 \; Y_2 \; Y_2 \; Y_2 \; Z_0 \; Z_0
 0.000313609 \; X_0 \; Z_1 \; Z_2 - 0.0176676 \; X_3 \; Z_1 \; Z_2 - 0.000889543 \; X_3 \; X_4 \; Z_1 \; Z_2 - 0.000692702 \; X_5 \; Z_1 \; Z_2 - 0.000692702 \; Z_2 \; Z_2 - 0.000692702 \; Z_2 \; Z_2 - 0.000692702 \; Z_2 \; Z_2 \; Z_2 \; Z_2 - 0.000692702 \; Z_2 \; Z_2
 \textbf{0.0216777} \,\, X_{4} \,\, X_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{5} \,\, Y_{3} \,\, Y_{4} \,\, Z_{1} \,\, Z_{2} \,\, - \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Y_{5} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{2} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, X_{3} \,\, Y_{4} \,\, Z_{1} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, Z_{2} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, Z_{2} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, Z_{2} \,\, Z_{2} \,\, Z_{2} \,\, + \,\, \textbf{0.00564146} \,\, Z_{2} \,\, 
 \texttt{0.000473615} \; \texttt{X}_2 \; \texttt{Z}_3 \; + \; \texttt{0.0000119845} \; \texttt{X}_1 \; \texttt{X}_2 \; \texttt{Z}_3 \; - \; \texttt{0.00171463} \; \texttt{X}_4 \; \texttt{Z}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{Z}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{Z}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{Z}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{Z}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{Z}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; \texttt{X}_3 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; \texttt{X}_4 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; + \; \texttt{0.000604774} \; \texttt{X}_0 \; + \; \texttt{0.000604774} \; \texttt{0.00060474} 
0.000823784 \; X_2 \; X_4 \; Z_3 + 0.00306375 \; X_5 \; Z_3 + 0.00262718 \; X_4 \; X_5 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; Y_1 \; Z_3 - 0.00443537 \; X_2 \; Y_0 \; X_1 \; Z_2 \; X_2 \; X_3 \; X_1 \; X_2 \; X_2 \; X_3 \; 
0.0000466657 \; X_2 \; X_4 \; Y_0 \; Y_1 \; Z_3 \; + \; 0.000443537 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466667 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466667 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466667 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466667 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466667 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.0000466667 \; X_0 \; X_0 \; X_1 \; X_2 \; X_1 \; X_2 \; X_2 \; X_1 \; X_2 \; X_3 \; X_3 \;
```

```
0.00633855 \; X_1 \; X_5 \; Y_0 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.00633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.00633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.00633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_4 \; Z_3 \; - \; 0.000633874 \; X_1 \; X_5 \; Y_2 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; - \; 0.000633874 \; X_1 \; X_2 \; Y_3 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; - \; 0.000633874 \; X_1 \; X_2 \; Y_3 \; - \; 0.0000616823 \; X_3 \; Y_3 \; Y_4 \; Z_3 \; + \; 0.0000616823 \; X_5 \; Y_1 \; Y_2 \; Y_3 \; - \; 0.000633874 \; X_1 \; X_2 \; Y_3 \; - \; 0.0000616823 \; X_3 \; Y_3 \; Y_4 \; Z_3 \; - \; 0.0000633874 \; X_1 \; X_2 \; Y_3 \; - \; 0.0000616823 \; X_3 \; Y_3 \; Y_4 \; Z_3 \; - \; 0.0000616823 \; X_3 \; Y_3 \; Y_4 \; Z_3 \; - \; 0.0000616823 \; X_3 \; - \; 0.0000616823 \; X_3 \; - \; 0.0000616823 \; X_3 \; - \; 0.000633874 \; X_1 \; X_2 \; - \; 0.0000616823 \; X_3 \; - \; 0.0000616823 \;
0.0661688\ Y_4\ Y_5\ Z_3 - 0.00603326\ X_0\ Y_4\ Y_5\ Z_3 + 9.86353\times 10^{-6}\ X_0\ X_1\ Y_4\ Y_5\ Z_3 - 0.00603326\ X_0\ Y_4\ Y_5\ Z_3 + 0.00603326\ X_0\ Y_4\ Y_5\ Z_3 - 0.0060326\ X_0\ Y_4\ Y_5\ Z_3 - 0.0060326\ X_0\ Y_4\ Y_5\ Z_3 - 0.0060320\ X_0\ Y_4\ Y_5\ Z_3 - 0.0060320\ X_0\ Y_4\ Y_5\ X_0\ Y_5\ X_0\ Y_5\ X_0\ Y_5\ Y_5\ X
0.0000318528 \ X_1 \ X_4 \ Z_0 \ Z_3 + 0.0000119845 \ Y_1 \ Y_2 \ Z_0 \ Z_3 + 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.000634787 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_3 - 0.0006347 \ X_4 \ Y_1 \ Y_2 \ Z_0 \ Z_0 \ X_2 \ X_2 \ X_3 \ X_4 \ X_5 \ X_
0.02022\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ -\ 0.000715471\ X_{1}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ -\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ +\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{2}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ +\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ +\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ +\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ +\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ +\ 0.00636179\ Y_{1}\ Y_{2}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ Y_{2}\ Y_{3}\ Y_{3}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ Y_{3}\ Y_{3}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{3}\ Y_{3}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{0}\ Y_{2}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{0}\ Y_{2}\ Y_{4}\ Y_{5}\ Z_{0}\ Z_{0}\ Y_{2}\ Y_
0.000110504 \times_{0} Z_{1} Z_{3} - 0.000473615 \times_{2} Z_{1} Z_{3} - 4.8746 \times 10^{-6} \times_{2} X_{4} Z_{1} Z_{3} +
0.00605026 \; X_5 \; Y_0 \; Y_4 \; Z_1 \; Z_3 \; + \; 0.00818463 \; X_5 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; - \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_2 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0000169999 \; X_0 \; Y_5 \; Z_1 \; Z_2 \; Z_2 \; Z_3 \; + \; 0.00000169999 \; X_0 \; Y_5 \; Z_2 \; Z_3 \;
 0.000177071 \; X_2 \; Y_4 \; Y_5 \; Z_1 \; Z_3 \; + \; 0.0694463 \; Z_0 \; Z_1 \; Z_3 \; + \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_3 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.000643489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.00064489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.0006489 \; Z_0 \; Z_1 \; Z_2 \; - \; 0.0006489 \; Z_1 \; Z_2 \; - \; 0.0006489 \; Z_1 \; Z_2 \; - \; 0.0006489 \; Z_1 \; Z_2 \; - \; 0.000649 \; Z_2 
0.0221369 \; Y_4 \; Y_5 \; Z_0 \; Z_1 \; Z_3 \; + \; 0.0591692 \; Z_2 \; Z_3 \; - \; 0.00227945 \; X_1 \; Z_2 \; Z_3 \; + \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.00227945 \; X_1 \; Z_2 \; Z_3 \; + \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.00227945 \; X_1 \; Z_2 \; Z_3 \; + \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.00227945 \; X_1 \; Z_2 \; Z_3 \; + \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.00227945 \; X_1 \; Z_2 \; Z_3 \; + \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.00227945 \; X_1 \; Z_2 \; Z_3 \; - \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.000536879 \; X_4 \; Z_2 \; Z_3 \; - \; 0.000536879 \; X_4 \; Z_3 \; - \; 0.000536
0.0000256813 \ X_1 \ X_4 \ Z_2 \ Z_3 + 0.0000311764 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.00063414 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.00063414 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.000634314 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.00063414 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.00063414 \ X_4 \ Y_0 \ Y_1 \ Z_2 \ Z_3 - 0.00063414 \ X_4 \ Y_0 \ Y_1 \ Z_2
0.0190046\ Y_{4}\ Y_{5}\ Z_{2}\ Z_{3}+0.000653789\ X_{1}\ Y_{4}\ Y_{5}\ Z_{2}\ Z_{3}+0.00634842\ Y_{0}\ Y_{1}\ Y_{4}\ Y_{5}\ Z_{2}\ Z_{3}+0.00634842\ Y_{0}\ Y_{1}\ Y_{4}\ Y_{5}\ Z_{2}\ Z_{3}+0.00634842\ Y_{0}\ Y_{1}\ Y_{2}\ Y_{3}\ Y_{5}\ Y_{2}\ Y_{3}\ Y_{5}\ 
 0.0678392 \; Z_1 \; Z_2 \; Z_3 \; + \; 0.000638266 \; X_4 \; Z_1 \; Z_2 \; Z_3 \; - \; 0.0216777 \; Y_4 \; Y_5 \; Z_1 \; Z_2 \; Z_3 \; + \; 0.127086 \; Z_4 \; - \; 0.000638266 \; X_4 \; Z_1 \; Z_2 \; Z_3 \; - \; 0.000638266 \; Z_4 \; - \; 0.000638266 \; Z_5 \; - \; 0.000666 \; Z_5 \; - 
\textbf{0.0561302} \; \textbf{X}_{3} \; \textbf{Z}_{4} - \textbf{2.04985} \times \textbf{10}^{-6} \; \textbf{X}_{0} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000159502} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} - \textbf{0.00011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} - \textbf{0.00011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} - \textbf{0.00011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} - \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{1} \; \textbf{X}_{2} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.000011104} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.0000111104} \; \textbf{X}_{3} \; \textbf{Z}_{4} + \textbf{0.0000111104} \; \textbf{X}_{4} \; \textbf{Z}_{5} 
0.000447423 \; X_5 \; Z_4 + 0.00018075 \; X_0 \; X_5 \; Z_4 - 0.0000557449 \; X_0 \; X_1 \; X_5 \; Z_4 + 0.000252181 \; X_2 \; X_5 \; Z_4 + 0.000252181 \; X_2 \; X_5 \; Z_4 + 0.00018075 \; X_0 \; X_5 \; Z_4 + 0.000018075 \; X_0 \; X_5 \; Z_5 \;
 0.0000557013 \; X_1 \; X_2 \; X_5 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_4 \; - \; 0.00115501 \; X_2 \; X_3 \; Y_0 \; Y_1 \; Z_4 \; + \; 0.0068963 \; X_3 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.00115501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011501 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001101 \; X_5 \; X_5 \; Z_5 \; - \; 0.001011 \; X_5 \; X_5 
4.65274 \times 10^{-6} \; X_2 \; X_5 \; Y_0 \; Y_1 \; Z_4 + 0.00115501 \; X_0 \; X_3 \; Y_1 \; Y_2 \; Z_4 - 4.65274 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 1.0001111 \; X_0 \;
 0.0000191089 \; Y_0 \; Y_3 \; Z_4 \; + \; 0.0000258501 \; Y_2 \; Y_3 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_4 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_5 \; X_5 \; Z_5 \; X
0.000174441\ Y_{2}\ Y_{5}\ Z_{4}+0.000587714\ Y_{3}\ Y_{5}\ Z_{4}+0.0164168\ X_{3}\ Z_{0}\ Z_{4}+0.000593752\ X_{1}\ X_{3}\ Z_{0}\ Z_{4}+0.000593752\ X_{1}\ X_{2}\ Z_{1}\ Z_{2}\ Z_{2}+0.000593752\ X_{2}\ Z_{3}\ Z_{4}+0.000593752\ Z_{4}+0.0000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.000593752\ Z_{4}+0.0000593752\ Z_{4}+0.000593752\ Z_{4}+0.0000593752\ Z_{4}+0.000593752\ Z_{4}+0.0000593752\ Z_{4}+0.0000593752\ Z_
0.000758441 \; X_5 \; Z_0 \; Z_4 - 0.0000274067 \; X_1 \; X_5 \; Z_0 \; Z_4 + 0.0000311241 \; X_3 \; Y_1 \; Y_2 \; Z_0 \; Z_4 + 0.0000311241 \; X_5 \; Z_0 \; Z_4 + 0.0000311241 \; Z_0 \; Z_
 \texttt{0.0001908} \; \texttt{X}_5 \; \texttt{Y}_1 \; \texttt{Y}_2 \; \texttt{Z}_0 \; \texttt{Z}_4 \; - \; \texttt{0.0000200201} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_3 \; \texttt{Z}_0 \; \texttt{Z}_4 \; - \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_5 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_2 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Y}_1 \; \texttt{Y}_2 \; \texttt{Z}_0 \; \texttt{Z}_4 \; + \; \texttt{0.000135099} \; \texttt{X}_2 \; \texttt{Z}_0 \; \texttt{
 0.0000211588 \; X_0 \; X_3 \; Z_1 \; Z_4 \; - \; 0.000133652 \; X_2 \; X_3 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.00000517994 \; X_0 \; X_5 \; Z_1 \; Z_4 \; - \; 0.0000517994 \; X_0 \; Z_1 \; Z_2 \; Z_3 
0.0000777401~X_2~X_5~Z_1~Z_4+0.0180857~X_3~Z_0~Z_1~Z_4+0.000726068~X_5~Z_0~Z_1~Z_4+
0.0000287213~X_1~X_5~Z_2~Z_4-0.0000198838~X_3~Y_0~Y_1~Z_2~Z_4-0.00019084~X_5~Y_0~Y_1~Z_2~Z_4+
0.0000200195 \; X_0 \; Y_1 \; Y_3 \; Z_2 \; Z_4 + 0.000135095 \; X_0 \; Y_1 \; Y_5 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Y_5 \; Z_0 \; Z_2 \; Z_4 + 1.31465 \times 10^{-6} \; Y_1 \; Z_0 \; Z
0.0176676 \ X_3 \ Z_1 \ Z_2 \ Z_4 + 0.000692702 \ X_5 \ Z_1 \ Z_2 \ Z_4 - 0.277122 \ Z_3 \ Z_4 - 0.0000509732 \ X_0 \ Z_3 \ Z_4 - 0.00000509732 \ X_0 \ Z_3 \ Z_4 - 0.0000509732 \ X_0 \ Z_3 \ Z_4 - 0.00000509732 \ X_0 \ Z_3 \ Z_4 - 0.000000509732 \ X_0 \ Z_5 
0.0000311973 \; X_0 \; X_1 \; Z_3 \; Z_4 + 0.000554154 \; X_2 \; Z_3 \; Z_4 + 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; X_2 \; Z_3 \; Z_4 - 0.0000743536 \; X_1 \; Z_3 \; Z_4 - 0.000074356 \; X_1 \; Z_3 \; Z_4 - 0.0000746 \; X_1 \; Z_3 \; Z_4 - 0.000076 \; X_1 \; Z_3 \; Z_4 - 0.000076 \; X_1 \; Z_3 \; Z_4 - 0.000076 \; X_1 \; Z_3 \; Z_4 \; Z_3 \; Z_4 - 0.000076 \; X_1 \; Z_3 \; Z_4 \; Z_3 \; Z_4 \; Z_3 \; Z_4 \; Z_5 \; Z_5
0.0630377\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.00227916\ X_{1}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.0000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.0000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.00000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.000000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.00000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.00000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{3}\ Z_{4}\ +\ 0.00000743536\ Y_{1}\ Y_{2}\ Z_{0}\ Z_{0
0.0591701\ Z_{2}\ Z_{3}\ Z_{4}-0.00227916\ X_{1}\ Z_{2}\ Z_{3}\ Z_{4}-0.0000311973\ Y_{0}\ Y_{1}\ Z_{2}\ Z_{3}\ Z_{4}+\\
 \textbf{0.0678396} \ Z_{1} \ Z_{2} \ Z_{3} \ Z_{4} - \textbf{0.281932} \ Z_{5} + \textbf{0.00175937} \ X_{0} \ Z_{5} - \textbf{0.00198685} \ X_{0} \ X_{1} \ Z_{5} + \textbf{0.00175937} \ X_{0} \ Z_{5} - \textbf{0.00198685} \ X_{0} \ X_{1} \ Z_{5} + \textbf{0.00175937} \ X_{0} \ Z_{5} - \textbf{0.00198685} \ X_{0} \ X_{1} \ Z_{5} + \textbf{0.00198685} 
 0.00307938 \; X_2 \; Z_5 \; + \; 0.00197102 \; X_1 \; X_2 \; Z_5 \; - \; 0.00147663 \; X_3 \; Z_5 \; + \; 0.00171463 \; X_4 \; Z_5 \; + \; 0.00171463 \; X_4 \; Z_5 \; + \; 0.00171463 \; X_6 \; Z_5 \; + \; 0.00171463 \; X_6 \; Z_5 \; + \; 0.00171463 \; Z_5 \; + \; 0.00171476163 \; Z_5 \; + \; 0.00171476163 \; Z_5 \; + \; 0.001714761
0.000634314~X_0~X_1~X_4~Z_5-4.8746\times 10^{-6}~X_2~X_4~Z_5-0.000634787~X_1~X_2~X_4~Z_5+
 \texttt{0.00115327} \; \texttt{X}_3 \; \texttt{X}_4 \; \texttt{Z}_5 \; + \; \texttt{0.00163285} \; \texttt{X}_2 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; + \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.0000466657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.000004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_5 \; - \; \texttt{0.000004666657} \; \texttt{X}_2 \; \texttt{X}_3 \; \texttt{X}_4 \; \texttt{X}_5 \; - \; \texttt{0.000004666657} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{X}_5 \; - \; \texttt{0.000004666657} \; \texttt{0.000004666657} \; - \; \texttt{0.0000004666657} \; - \; \texttt{0.000004666657} \; - \; \texttt{0.000004666667} \; - \; \texttt{0.000004666667} \; - \; \texttt{0.000004666667} \; - \; \texttt{0.0000046666657} \; - \; \texttt{0.000004666667} \; - \; \texttt{0.0000004666667} \; - \; \texttt{0.0000004666667} \; - \; \texttt{0.000000466
0.00163285 \ X_0 \ Y_1 \ Y_2 \ Z_5 - 0.0000466657 \ X_0 \ X_4 \ Y_1 \ Y_2 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_3 \ Y_0 \ Y_4 \ Z_5 - 0.00628756 \ X_1 \ X_2 \ Y_0 
0.0000611861~X_3~Y_1~Y_4~Z_5+0.00628775~X_1~X_3~Y_2~Y_4~Z_5+0.00165752~Y_3~Y_4~Z_5+
1.45579 \times 10^{-6} \; \text{X}_0 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; + \; 0.00628708 \; \text{X}_0 \; \text{X}_1 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 5.63004 \times 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{X}_2 \; \text{Y}_3 \; \text{Y}_4 \; \text{Z}_5 \; - \; 10^{-6} \; \text{
0.00628778 \ X_1 \ X_2 \ Y_3 \ Y_4 \ Z_5 + 0.0000532277 \ X_2 \ Y_0 \ Y_1 \ Y_3 \ Y_4 \ Z_5 - 0.0000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.0000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.00000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_2 \ Y_3 \ Y_3 \ Y_3 \ Y_3 \ Y_3 \ Y_4 \ Z_5 + 0.000000532277 \ X_0 \ Y_1 \ Y_2 \ Y_3 \ Y_3
0.0688291\ Z_0\ Z_5-0.00377663\ X_1\ Z_0\ Z_5-0.00057444\ X_4\ Z_0\ Z_5-0.0000256813\ X_1\ X_4\ Z_0\ Z_5+0.0000256813\ X_1\ X_4\ Z_0\ Z_5+0.00000256813\ X_1\ X_4\ Z_0\ Z_5+0.0000256813\ X_1\ X_5+0.0000256813\ X_1\ X_1\ X_2+0.0000256813\ X_1\ X_2+0.0000256813\ X_1\ X_2+0.0000256813\ X_1\ X_2+0.0000256813\ X_1\ X_2+0
 0.00197102 \; Y_1 \; Y_2 \; Z_0 \; Z_5 \; - \; 0.000768553 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_5 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Y_4 \; Z_0 \; Z_0 \; Z_0 \; Z_0 \; Z_0 \; - \; 0.0000155702 \; X_1 \; Y_3 \; Z_0 
0.00175937 X_0 Z_1 Z_5 - 0.00307938 X_2 Z_1 Z_5 + 0.000604774 X_0 X_4 Z_1 Z_5 +
0.000823784~X_2~X_4~Z_1~Z_5-0.00600159~X_3~Y_0~Y_4~Z_1~Z_5-0.00811879~X_3~Y_2~Y_4~Z_1~Z_5+
 \texttt{0.00600013} \; \texttt{X}_0 \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{X}_2 \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{0.0636474} \; \texttt{Z}_0 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{X}_2 \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{0.0636474} \; \texttt{Z}_0 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{X}_2 \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{0.0636474} \; \texttt{Z}_0 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{X}_2 \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{0.0636474} \; \texttt{Z}_0 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{X}_2 \; \texttt{Z}_3 \; \texttt{Z}_5 \; + \; \texttt{0.0636474} \; \texttt{Z}_0 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{Z}_2 \; \texttt{Z}_3 \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{Z}_5 \; - \; \texttt{0.00812442} \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{0.00812442} \; + \; \texttt{0.00812442} \; \texttt{0.00812442} \; + \; \texttt{0.008
 \texttt{0.000643489} \ \texttt{X}_{4} \ \texttt{Z}_{0} \ \texttt{Z}_{1} \ \texttt{Z}_{5} \ - \ \texttt{0.00083422} \ \texttt{Y}_{3} \ \texttt{Y}_{4} \ \texttt{Z}_{0} \ \texttt{Z}_{1} \ \texttt{Z}_{5} \ + \ \texttt{0.0670048} \ \texttt{Z}_{2} \ \texttt{Z}_{5} \ + \\ \texttt{2.0000643489} \ \texttt{X}_{4} \ \texttt{Z}_{1} \ \texttt{Z}_{2} \ + \ \texttt{0.0670048} \ \texttt{Z}_{2} \ \texttt{Z}_{5} \ + \ \texttt{0.0670048} \ \texttt{Z}_{2} \ \texttt{Z}_{5} \ + \\ \texttt{2.0000643489} \ \texttt{2.00006489} \ \texttt{2.0000649} \ \texttt{2.0000
```

```
0.00198685 \; Y_0 \; Y_1 \; Z_2 \; Z_5 - 0.00072171 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.000767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.00076767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.00076767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.00076767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.00076767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.00076767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.00076767563 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 + 0.0007676763 \; X_1 \; Y_3 \; Y_4 \; Z_2 \; Z_5 \; X_1 \; X_1 \; X_2 \; X_2 \; X_3 \; X_1 \; X_2 \; X_3 \; X_3 \; X_3 \; X_4 \; Z_3 \; X_3 \; X_3 \; X_4 \; Z_3 \; X_3 \; X_
 0.0600449 \; Z_1 \; Z_2 \; Z_5 - 0.000638266 \; X_4 \; Z_1 \; Z_2 \; Z_5 - 0.000889543 \; Y_3 \; Y_4 \; Z_1 \; Z_2 \; Z_5 + 0.139703 \; Z_3 \; Z_5 - 0.000889543 \; Y_3 \; Y_4 \; Z_1 \; Z_2 \; Z_5 + 0.139703 \; Z_3 \; Z_5 - 0.000889543 \; Y_3 \; Y_4 \; Z_1 \; Z_2 \; Z_5 + 0.139703 \; Z_3 \; Z_5 - 0.000889543 \; Y_3 \; Y_4 \; Z_1 \; Z_2 \; Z_5 + 0.000889543 \; Z_5 - 0.000889543 \; Z_5 \; Z_5 + 0.000889543 \; Z_5 - 0.000889543 \; Z_5 - 0.000889543 \; Z_5 \; Z_5 - 0.000889543 \; Z_5 \; Z_5 - 0.000889543 \; Z_5 - 0.000889540 
0.000547046~X_4~Z_3~Z_5+0.0006342~X_1~Y_0~Y_4~Z_3~Z_5+6.17159\times 10^{-6}~Y_1~Y_4~Z_3~Z_5-
 0.000634219 \; X_1 \; Y_2 \; Y_4 \; Z_3 \; Z_5 \; + \; 0.000605355 \; Y_0 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; + \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_2 \; Y_4 \; Z_1 \; Z_3 \; Z_5 \; - \; 0.000818909 \; Y_5 \; Z_5 \; - \; 0.000818909 \; Y_5 \; Z_5 \; - \; 0.000818909 \; Z_5 \; Z_5 \; - \; 0.000818909 \; Z_5 \; - \; 0.000818909 \; Z_5 \; - \; 0.0008818909 \; Z_5 \; - \; 0.000881
0.288942\ Z_{4}\ Z_{5}-0.0000227489\ X_{0}\ Z_{4}\ Z_{5}-0.00012608\ X_{0}\ X_{1}\ Z_{4}\ Z_{5}+0.000676671\ X_{2}\ Z_{4}\ Z_{5}+0.000676671\ X_{2}\ Z_{4}\ Z_{5}+0.000676671\ X_{2}\ Z_{4}\ Z_{5}+0.000676671\ X_{5}\ Z_{5}+0.00067671\ X_{5}\ Z_{5}+0.00067671\ X_{5}\ Z_{5}+0.0006771\ X_{5}+0.0006771\ X_{5}+0.000671\ X_{5}+0.0006771\ X_{5}+0.000671\ X_{5}+0.000671\ X_{5}+
0.000103924 \; X_1 \; X_2 \; Z_4 \; Z_5 \; + \; 0.00147663 \; X_3 \; Z_4 \; Z_5 \; + \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_4 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_0 \; X_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; Y_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; Y_0 \; X_1 \; Z_5 \; - \; 0.00227721 \; X_2 \; X_1 \; X_2 \; X_2 \; X_2 \; X_3 \; X_1 \; X_2 \; X_2 \; - \; 0.00227721 \; X_2 \; X_3 \; X_1 \; X_2 \; X_2 \; X_3 \; X_1 \; X_2 \; X_2 \; X_3 \; X_3 \; X_1 \; X_2 \; X_3 \; X_1 \; X_2 \; X_2 \; X_3 \; X_3 \; X_1 \; X_2 \; X_3 \; X_1 \; X_2 \; 
0.00227721~X_0~Y_1~Y_2~Z_4~Z_5 + 0.0694442~Z_0~Z_4~Z_5 - 0.00443237~X_1~Z_0~Z_4~Z_5 +
0.000103924\ Y_1\ Y_2\ Z_0\ Z_4\ Z_5 + 0.0000227489\ X_0\ Z_1\ Z_4\ Z_5 - 0.000676671\ X_2\ Z_1\ Z_4\ Z_5 + 0.0000767671\ X_2\ Z_1\ Z_5 + 0.00000767671\ X_2\ Z_1\ Z_5 + 0.0000767671\ X_2\ Z_1\ Z_5 + 0.0000767771\ X_2\ Z_1\ Z_5 + 0.00007771\ X_2\ Z_1\ Z_5 + 0.0000771\ X_2\ Z_1\ Z_2\ Z_1\ Z_3 + 0.0000771\ X_2\ Z_1\ Z_2\ Z_2 + 0.0000771\ X_2\ Z_1\ Z_2 + 0.0000771\ X_2\ Z_1\ Z_2 + 0.0000771\ X_2\ Z_2 + 0.0000771\ X_2 + 0.0000771\ X_2\ Z_2 + 0.0000771\ X_2 + 
 0.0630389 \; Z_0 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.0678368 \; Z_2 \; Z_4 \; Z_5 \; + \; 0.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_2 \; Z_4 \; Z_5 \; - \; 1.00443237 \; X_1 \; Z_5 \; - \; 1.00443237 \; X_5 \; - \; 1.00443237 \; - \; 1.00443237 \; - \; 1.00443237 \; - \; 1.00443237 \; -
 \texttt{0.00012608} \; \texttt{Y}_0 \; \texttt{Y}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; + \; \texttt{0.0591748} \; \texttt{Z}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; + \; \texttt{0.147366} \; \texttt{Z}_3 \; \texttt{Z}_4 \; \texttt{Z}_5
```

Removelds

```
setTmpFile[".1 1 0 0 0 0 0"];
GetPauliString["tmp.txt"]
setTmpFile[".1 1 0 0 0 0 0"];
GetPauliString["tmp.txt", "RemoveIds" → False]
0.1\,X_{0}
0.1 \text{ Id}_1 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Id}_5 \text{ X}_0
```

numQubits

```
setTmpFile[".1 1 0 0"];
GetPauliString["tmp.txt", 10]
setTmpFile[".1 1 0 0"];
GetPauliString["tmp.txt", 10, "RemoveIds" → True]
0.1 Id<sub>1</sub> Id<sub>2</sub> Id<sub>3</sub> Id<sub>4</sub> Id<sub>5</sub> Id<sub>6</sub> Id<sub>7</sub> Id<sub>8</sub> Id<sub>9</sub> X<sub>0</sub>
0.1 X<sub>0</sub>
```

GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt", 20][;; 10]

```
-6.52209 Id<sub>0</sub> Id<sub>1</sub> Id<sub>2</sub> Id<sub>3</sub> Id<sub>4</sub> Id<sub>5</sub> Id<sub>6</sub> Id<sub>7</sub> Id<sub>8</sub> Id<sub>9</sub> Id<sub>10</sub> Id<sub>11</sub>
       Id<sub>12</sub> Id<sub>13</sub> Id<sub>14</sub> Id<sub>15</sub> Id<sub>16</sub> Id<sub>17</sub> Id<sub>18</sub> Id<sub>19</sub> - 0.00168947 Id<sub>1</sub> Id<sub>2</sub> Id<sub>3</sub> Id<sub>4</sub>
        Id<sub>5</sub> Id<sub>6</sub> Id<sub>7</sub> Id<sub>8</sub> Id<sub>9</sub> Id<sub>10</sub> Id<sub>11</sub> Id<sub>12</sub> Id<sub>13</sub> Id<sub>14</sub> Id<sub>15</sub> Id<sub>16</sub> Id<sub>17</sub> Id<sub>18</sub> Id<sub>19</sub> X<sub>0</sub> +
    0.000335609 Id<sub>0</sub> Id<sub>2</sub> Id<sub>3</sub> Id<sub>4</sub> Id<sub>5</sub> Id<sub>6</sub> Id<sub>7</sub> Id<sub>8</sub> Id<sub>9</sub> Id<sub>10</sub> Id<sub>11</sub> Id<sub>12</sub> Id<sub>13</sub> Id<sub>14</sub> Id<sub>15</sub>
        Id_{16} Id_{17} Id_{18} Id_{19} X_1 + 0.00233908 Id_2 Id_3 Id_4 Id_5 Id_6 Id_7 Id_8 Id_9 Id_{10}
       Id_{11} Id_{12} Id_{13} Id_{14} Id_{15} Id_{16} Id_{17} Id_{18} Id_{19} X_0 X_1 - 0.00518865 Id_0 Id_1 Id_3
       Id<sub>4</sub> Id<sub>5</sub> Id<sub>6</sub> Id<sub>7</sub> Id<sub>8</sub> Id<sub>9</sub> Id<sub>10</sub> Id<sub>11</sub> Id<sub>12</sub> Id<sub>13</sub> Id<sub>14</sub> Id<sub>15</sub> Id<sub>16</sub> Id<sub>17</sub> Id<sub>18</sub> Id<sub>19</sub> X<sub>2</sub> -
    2.32678 \times 10^{-6} \text{ Id}_1 \text{ Id}_3 \text{ Id}_4 \text{ Id}_5 \text{ Id}_6 \text{ Id}_7 \text{ Id}_8 \text{ Id}_9 \text{ Id}_{10} \text{ Id}_{11} \text{ Id}_{12} \text{ Id}_{13} \text{ Id}_{14}
       \mathbf{Id_{15}}\ \mathbf{Id_{16}}\ \mathbf{Id_{17}}\ \mathbf{Id_{18}}\ \mathbf{Id_{19}}\ X_0\ X_2-\textbf{0.00238276}\ \mathbf{Id_{0}}\ \mathbf{Id_{3}}\ \mathbf{Id_{4}}\ \mathbf{Id_{5}}\ \mathbf{Id_{6}}
       Id<sub>7</sub> Id<sub>8</sub> Id<sub>9</sub> Id<sub>10</sub> Id<sub>11</sub> Id<sub>12</sub> Id<sub>13</sub> Id<sub>14</sub> Id<sub>15</sub> Id<sub>16</sub> Id<sub>17</sub> Id<sub>18</sub> Id<sub>19</sub> X<sub>1</sub> X<sub>2</sub> -
    0.000333484 \text{ Id}_3 \text{ Id}_4 \text{ Id}_5 \text{ Id}_6 \text{ Id}_7 \text{ Id}_8 \text{ Id}_9 \text{ Id}_{10} \text{ Id}_{11} \text{ Id}_{12} \text{ Id}_{13} \text{ Id}_{14} \text{ Id}_{15} \text{ Id}_{16}
        Id_{17}\ Id_{18}\ Id_{19}\ X_0\ X_1\ X_2 + 0.0561302\ Id_0\ Id_1\ Id_2\ Id_4\ Id_5\ Id_6\ Id_7\ Id_8\ Id_9\ Id_{10}
        \mathbf{Id_{11}}\ \mathbf{Id_{12}}\ \mathbf{Id_{13}}\ \mathbf{Id_{14}}\ \mathbf{Id_{15}}\ \mathbf{Id_{16}}\ \mathbf{Id_{17}}\ \mathbf{Id_{18}}\ \mathbf{Id_{19}}\ X_{3} + \mathbf{0.0000211588}\ \mathbf{Id_{1}}\ \mathbf{Id_{2}}\ \mathbf{Id_{4}}
         \mathsf{Id}_5 \; \mathsf{Id}_6 \; \mathsf{Id}_7 \; \mathsf{Id}_8 \; \mathsf{Id}_9 \; \mathsf{Id}_{10} \; \mathsf{Id}_{11} \; \mathsf{Id}_{12} \; \mathsf{Id}_{13} \; \mathsf{Id}_{14} \; \mathsf{Id}_{15} \; \mathsf{Id}_{16} \; \mathsf{Id}_{17} \; \mathsf{Id}_{18} \; \mathsf{Id}_{19} \; \mathsf{X}_0 \; \mathsf{X}_3
```

targets

```
setTmpFile["3 1 2 3"];
GetPauliString["tmp.txt", {5, 6, 7}]
3 X<sub>5</sub> Y<sub>6</sub> Z<sub>7</sub>
setTmpFile["3 1 2 3\n3 3 2 1"];
GetPauliString["tmp.txt", {5, 6, 7}]
3 X_7 Y_6 Z_5 + 3 X_5 Y_6 Z_7
GetPauliString[
  "https://qtechtheory.org/hamil_6qbLiH.txt", {9, 8, 7, 6, 5, 4}][;; 10]
-6.52209 \text{ Id}_9 + 0.000447423 X_4 + 0.000547046 X_5 +
 0.00562722~X_4~X_5~X_6-0.00518865~X_7-0.0000777401~X_4~X_7
```

Errors

Matrix

```
GetPauliString @ {{1, 2, 3}}
GetPauliString @ IdentityMatrix[6]
... GetPauliString: Matrix must be square with a power-of-2 number of rows and columns.
$Failed
••• GetPauliString: Matrix must be square with a power-of-2 number of rows and columns.
$Failed
m = RandomInteger[{-10, 10}, {2^3, 2^3}];
GetPauliString[m, 2]
... GetPauliString: The specified number of qubits (2) was fewer than that suggested (3) by the matrix's dimension.
$Failed
m = RandomInteger[{-10, 10}, {4, 4}];
GetPauliString[m, {0}]
... GetPauliString: A different number of target qubits was given (1) than exists in the Pauli string (2).
$Failed
```

m = RandomInteger[{-10, 10}, {4, 4}]; GetPauliString[m, {}] GetPauliString[m, 2, {}] GetPauliString[m, {}, 2]

••• GetPauliString: Optional list of target qubits must not be empty.

\$Failed

••• GetPauliString: Optional list of target qubits must not be empty.

\$Failed

GetPauliString: Optional list of target qubits must not be empty.

\$Failed

m = RandomInteger[{-10, 10}, {4, 4}]; GetPauliString[m, 4, {1, 2, 3}]

... GetPauliString: A different number of target qubits was given (3) than exists in the Pauli string (4).

\$Failed

GetPauliString[m, "BadOption" → True]

••• OptionValue: Unknown option BadOption for GetPauliString.

$$-\frac{13 \text{ Id}_{1}}{4}+\frac{19 \text{ X}_{0}}{4}+\frac{23 \text{ X}_{1}}{4}-\text{X}_{0} \text{ X}_{1}-\frac{5 \text{ i} \text{ Y}_{0}}{4}-\frac{11}{2} \text{ i} \text{ X}_{1} \text{ Y}_{0}+\frac{7 \text{ i} \text{ Y}_{1}}{4}+\frac{1}{2} \text{ i} \text{ X}_{0} \text{ Y}_{1}-\frac{3 \text{ Y}_{0} \text{ Y}_{1}-\frac{9 \text{ Z}_{0}}{4}-\frac{11 \text{ X}_{1} \text{ Z}_{0}}{4}+\frac{5}{4} \text{ i} \text{ Y}_{1} \text{ Z}_{0}+\frac{Z_{1}}{4}+\frac{3 \text{ X}_{0} \text{ Z}_{1}}{4}+\frac{3}{4} \text{ i} \text{ Y}_{0} \text{ Z}_{1}+\frac{Z_{0} \text{ Z}_{1}}{4}$$

Index

GetPauliString[-1]

... GetPauliString: Index must be positive or zero.

\$Failed

GetPauliString[1, 0]

... GetPauliString: Invalid arguments. See ?GetPauliString

\$Failed

GetPauliString[123, 2]

... GetPauliString: The given index (123) exceeds the maximum possible (15 = 4^2−1) for the given number of Pauli operators (2).

\$Failed

GetPauliString[123, {2, 4}]

GetPauliString: A different number of target qubits was given (2) than exists in the Pauli string (4).

\$Failed

```
GetPauliString[123, blah]
••• GetPauliString: Invalid arguments. See ?GetPauliString
$Failed
GetPauliString[3, 1, "BadOption" → True]
••• OptionValue: Unknown option BadOption for GetPauliString.
Z_0
```

Digits

```
GetPauliString[{1, 0, 0}, {1, 2, 3, 4}]
... GetPauliString: A different number of target qubits was given (4) than exists in the Pauli string (3).
$Failed
GetPauliString[{4, 0, 0}]
GetPauliString[{-1, 0, 0}]
••• GetPauliString: Each individual digit must be one of 0 (denoting Id), 1 (X), 2 (Y) or 3 (Z).
$Failed
••• GetPauliString: Each individual digit must be one of 0 (denoting Id), 1 (X), 2 (Y) or 3 (Z).
$Failed
GetPauliString[{a, b, c}]
••• GetPauliString: Invalid arguments. See ?GetPauliString
$Failed
GetPauliString[{0, 0, 0}, 2]
••• GetPauliString: The overriden number of qubits was fewer than the number of given digits.
$Failed
GetPauliString[{0, 0, 0}, 0]
... GetPauliString: Invalid arguments. See ?GetPauliString
$Failed
```

Address

```
setTmpFile["eh"];
GetPauliString["tmp.txt"]
••• GetPauliString: Parsing the file failed due to the below error:
••• ReadList: Invalid real number found when reading from tmp.txt.
$Failed
```

```
setTmpFile[".1 1 0 0 0 0 0"];
GetPauliString["tmp.txt", 4]
... GetPauliString: The specified number of qubits (4) was fewer than that encoded in the file (6).
$Failed
GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt", {9, 8, 7, 5, 4}]
... GetPauliString: A different number of target qubits was given (5) than exists in the Pauli string (6).
$Failed
GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt", {9, 9, 9, 9, 9, 9}]
GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt",
 \{-1, -2, -3, -4, -5, -6\}
... GetPauliString: The list of target qubits must be non-negative and unique.
$Failed
... GetPauliString: The list of target qubits must be non-negative and unique.
$Failed
GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt", -1]
... GetPauliString: Invalid arguments. See ?GetPauliString
$Failed
GetPauliString[
  "https://qtechtheory.org/hamil_6qbLiH.txt", "BadOption" → True][;;5]
••• OptionValue: Unknown option BadOption for GetPauliString.
-6.52209\ \text{Id}_0-0.00168947\ X_0+0.000335609\ X_1+0.00233908\ X_0\ X_1-0.00518865\ X_2
```