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.

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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: (-3.63666 - 1.8183 i) Id<sub>0</sub> - (6.59815 + 1.0064 i) X<sub>0</sub> +
                                                                           (0.771499 - 1.37882 \text{ i}) Y_0 + (3.11331 - 4.73809 \text{ i}) Z_0
» error: 0
                                                   test @ RandomComplex[(i+1) {-10, 10}, {8, 8}]
» output: (-1.62543 - 1.36107 i) Id<sub>2</sub> + (0.48001 - 1.24454 i) X<sub>0</sub> -
                                                                           (\textbf{3.68631} + \textbf{0.864865} \pm) \ \textbf{X}_0 \ \textbf{X}_2 + (\textbf{2.00587} - \textbf{1.84927} \pm) \ \textbf{X}_1 \ \textbf{X}_2 - (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.00587} - \textbf{1.84927} \pm) \ \textbf{X}_1 \ \textbf{X}_2 - (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_0 \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_1 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2 \ \textbf{X}_2 + (\textbf{2.54557} - \textbf{2.28896} \pm) \ \textbf{X}_2 \ \textbf{X}_2
                                                                              (0.0815604 - 0.811481 \pm) \ Y_0 - (1.45722 - 0.369288 \pm) \ X_1 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_1 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_1 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744658 \pm) \ X_2 \ Y_0 - (2.73035 + 0.744668 \pm) \ X_2 \ Y_0 - (2.73035 + 0.
                                                                           (0.0518701 + 2.36052 \pm) \ X_2 \ Y_1 - (1.80847 - 1.20918 \pm) \ X_0 \ X_2 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.703751 - 1.07648 \pm) \ Y_0 \ Y_1 - (0.
                                                                               (0.407713 + 1.64509 \pm) \ X_2 \ Y_0 \ Y_1 - (1.85829 - 0.030126 \pm) \ Y_2 - (0.227592 + 2.02206 \pm) \ X_0 \ Y_2 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_2 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_2 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.227592 + 2.02206 \pm) \ X_0 \ Y_0 + (0.22759
                                                                           (\textbf{1.61102} - \textbf{0.897051} \,\, \dot{\textbf{1}}) \,\, X_{1} \,\, Y_{2} \,\, + \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{2.66848} \,\, + \,\, \textbf{1.99469} \,\, \dot{\textbf{1}}) \,\, Y_{0} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{2.66848} \,\, + \,\, \textbf{1.99469} \,\, \dot{\textbf{1}}) \,\, Y_{0} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{2.66848} \,\, + \,\, \textbf{1.99469} \,\, \dot{\textbf{1}}) \,\, Y_{0} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{2.66848} \,\, + \,\, \textbf{1.99469} \,\, \dot{\textbf{1}}) \,\, Y_{0} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{2.66848} \,\, + \,\, \textbf{1.99469} \,\, \dot{\textbf{1}}) \,\, Y_{0} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{2.66848} \,\, + \,\, \textbf{1.99469} \,\, \dot{\textbf{1}}) \,\, Y_{0} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, X_{1} \,\, Y_{2} \,\, - \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{0} \,\, X_{1} \,\, X_{1} \,\, X_{1} \,\, X_{2} \,\, + \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{1} \,\, X_{2} \,\, + \,\, (\textbf{3.14443} \,\, + \,\, \textbf{3.61116} \,\, \dot{\textbf{1}}) \,\, X_{2} \,\, X_
                                                                               (1.60502 - 1.20522 \pm) \ X_1 \ Y_0 \ Y_2 - (1.62124 + 2.19159 \pm) \ Y_1 \ Y_2 - (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \ Y_1 \ Y_2 + (1.62018 - 0.511701 \pm) \ X_0 \
                                                                           (\textbf{4.46798} + \textbf{1.84508}\,\,\dot{\textbf{1}})\,\,\,Y_{0}\,\,Y_{1}\,\,Y_{2} - \,\,(\textbf{0.547915} + \textbf{0.78593}\,\,\dot{\textbf{1}})\,\,\,Z_{0} + \,\,(\textbf{0.012767} - \textbf{1.3868}\,\,\dot{\textbf{1}})\,\,\,X_{1}\,\,Z_{0} + \,\,(\textbf{0.012767} - \textbf{1.3868}\,\,\dot{\textbf{1}})\,\,X_{1}\,\,Z_{0} + \,\,(\textbf{0.012767} - \textbf{1.3868}\,\,\dot{\textbf{1}})\,\,Z_{0} + \,\,(\textbf{0.012767} - \textbf{1.3868}\,\,\dot{\textbf{1}})\,Z_{0} + \,\,(\textbf{0.012767} - \textbf{
                                                                              (0.794937 - 3.18716 \pm) \times_2 Z_0 - (5.12437 - 2.96624 \pm) \times_1 \times_2 Z_0 - (2.59567 + 0.998799 \pm) \times_1 Z_0 - (2.59667 + 0.998799 \pm) \times_1 Z_0 - (2.5967 + 0.998799 \pm) \times_1 Z_0 - (2.59667 + 0.998799 \pm) \times_1 Z_0 - (2.5967 + 0.99879 \pm) \times_1 Z_0 - (2.5967 + 
                                                                              (\textbf{0.966159} - \textbf{0.267933}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{\textbf{2}} \,\, \textbf{Y}_{\textbf{1}} \,\, \textbf{Z}_{\textbf{0}} \,+ \,\, (\textbf{1.46437} \,+\, \textbf{1.4389}\,\, \dot{\textbf{1}}) \,\, \textbf{Y}_{\textbf{2}} \,\, \textbf{Z}_{\textbf{0}} \,+ \,\, (\textbf{1.58968} \,+\, \textbf{0.410816}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{\textbf{1}} \,\, \textbf{Y}_{\textbf{2}} \,\, \textbf{Z}_{\textbf{0}} \,-\, \textbf{1.4389} \,\, \dot{\textbf{1}}) \,\, \textbf{Y}_{\textbf{2}} \,\, \textbf{Z}_{\textbf{0}} \,+ \,\, (\textbf{1.58968} \,+\, \textbf{0.410816}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{\textbf{1}} \,\, \textbf{Y}_{\textbf{2}} \,\, \textbf{Z}_{\textbf{0}} \,-\, \textbf{1.4389} \,\, \dot{\textbf{1}}) \,\, \textbf{Y}_{\textbf{2}} \,\, \textbf{Z}_{\textbf{0}} \,\, + \,\, \textbf{Z}_{\textbf{0}} \,\, \textbf{Z}_{\textbf{0}} \,\, + \,\, \textbf{Z}_{\textbf{0}} \,
                                                                           (2.73787 - 1.82731 \pm) \ Y_1 \ Y_2 \ Z_0 + \ (0.294366 - 1.03406 \pm) \ Z_1 + \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10668 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10688 + 0.210221 \pm) \ X_0 \ Z_1 - \ (1.10688 + 0.21021 \pm) \ X_0 \ Z_1 - \ (1.10688 + 0.21021 \pm) \ X_0 \ Z_1 - \ (1.10688 + 0.21021 
                                                                           (1.39769 + 0.694416 \pm) \ X_2 \ Z_1 + (3.13758 + 2.1846 \pm) \ X_0 \ X_2 \ Z_1 + (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_0 \ Z_1 - (0.836065 - 0.967424 \pm) \ Y_
                                                                           (\textbf{0.359847} + \textbf{0.214651}\,\,\dot{\textbf{1}}) \ \ \textbf{X}_2 \ \textbf{Y}_0 \ \textbf{Z}_1 - \ (\textbf{0.107371} + \textbf{2.06735}\,\,\dot{\textbf{1}}) \ \ \textbf{Y}_2 \ \textbf{Z}_1 \ - \ \textbf{X}_2 \ \textbf{X}_3 \ \ \textbf{X}_4 \ \ \textbf{X}_5 \ \ \textbf{X}_5 \ \ \textbf{X}_5 \ \ \textbf{X}_6 \ \ \textbf{X}_7 \ \ \textbf{X}_8 \ \ 
                                                                              (\textbf{1.28211} + \textbf{1.04295} \; \text{\^{1}}) \;\; \textbf{X}_{0} \;\; \textbf{Y}_{2} \;\; \textbf{Z}_{1} \; - \;\; (\textbf{0.820905} \; + \; \textbf{0.459206} \; \text{\^{1}}) \;\; \textbf{Y}_{0} \;\; \textbf{Y}_{2} \;\; \textbf{Z}_{1} \; + \;\; (\textbf{0.245161} \; - \; \textbf{3.31782} \; \text{\^{1}}) \;\; \textbf{Z}_{0} \;\; \textbf{Z}_{1} \; + \;\; \textbf{Z}_{1} \;\; \textbf{Z}_{2} \;\; \textbf{Z}_{2} \;\; \textbf{Z}_{3} \;\; \textbf{Z}_{3}
                                                                           (3.34046-1.81756\,\,\mathrm{\dot{i}})\,\,X_{2}\,Z_{0}\,\,Z_{1}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Y_{2}\,Z_{0}\,\,Z_{1}+(2.3632-2.48517\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{1}+(2.3632-2.48517\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{1}+(2.3632-2.48517\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{1}+(2.3632-2.48517\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{1}+(2.3632-2.48517\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{1}+(2.3632-2.48517\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-0.518328\,\,\mathrm{\dot{i}})\,Z_{2}-(2.13915-
                                                                              (\textbf{0.392865} - \textbf{0.619911}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{0} \,\, \textbf{Z}_{2} - (\textbf{1.054} - \textbf{1.1786}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{1} \,\, \textbf{Z}_{2} - (\textbf{1.59766} + \textbf{1.53721}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{0} \,\, \textbf{X}_{1} \,\, \textbf{Z}_{2} - (\textbf{1.1886}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{1} \,\, \textbf{X}_{2} - (\textbf{1.1886}\,\, \dot{\textbf{1}}) \,\, \textbf{X}_{2} \,\, \textbf{X}_{3} \,
                                                                           (3.02483 - 1.00772 \pm) \ Y_0 \ Z_2 - (0.889534 - 2.07062 \pm) \ X_1 \ Y_0 \ Z_2 - (0.527526 - 2.10373 \pm) \ Y_1 \ Z_2 - (0.527526 - 2.10373 \pm) \ Y_1 \ Z_2 - (0.527526 - 2.10373 \pm) \ Y_2 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_2 - (0.527526 - 2.10373 \pm) \ Y_3 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_4 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.527526 - 2.10373 \pm) \ Y_5 \ Z_3 - (0.5
                                                                           (0.449855 + 0.25815 \pm) \ X_0 \ Y_1 \ Z_2 + (3.23276 + 1.3389 \pm) \ Y_0 \ Y_1 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z_2 + (1.61785 + 0.732421 \pm) \ Z_0 \ Z
                                                                           » error: 0
```

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

```
» output: -4.70395 \text{ Id}_1 + 2.5309 \text{ X}_0 - 1.31694 \text{ X}_1 - 3.27382 \text{ X}_0 \text{ X}_1 - (0. + 4.2844 \times) \text{ Y}_0 - 1.31694 \text{ X}_1 - (0. + 4.2844 \times) \text{ Y}_0 - (0. + 4.2844 
                                       (0. + 2.8947 \pm) X_1 Y_0 + (0. + 3.35297 \pm) Y_1 + (0. + 0.0473311 \pm) X_0 Y_1 -
                                    3.61675\;Y_{0}\;Y_{1}\;+\;1.77139\;Z_{0}\;+\;0.814698\;X_{1}\;Z_{0}\;+\;(0.\;+\;4.54525\;\dot{\mathbb{1}}\;)\;\;Y_{1}\;Z_{0}\;+\;1.77139\;Z_{0}\;+\;2.5111\;
                                    3.73559 Z_1 + 5.33504 X_0 Z_1 + (0. + 2.32713 \dot{\text{1}}) Y_0 Z_1 + 2.40629 Z_0 Z_1
```

» error: 0

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

>> output:
$$\left(-0.723109 + 9.81203 \times 10^{-17} \ \text{i}\right) \ \text{Id}_1 - \left(0.999802 + 1.94289 \times 10^{-16} \ \text{i}\right) \ X_0 + \left(0.0959688 + 1.11022 \times 10^{-16} \ \text{i}\right) \ X_1 - \left(0.458241 + 0.\ \text{i}\right) \ X_0 \ X_1 - \left(0.260922 + 1.38778 \times 10^{-16} \ \text{i}\right) \ Y_0 + \left(0.456045 - 4.85723 \times 10^{-17} \ \text{i}\right) \ X_1 \ Y_0 + \left(0.404084 + 1.66533 \times 10^{-16} \ \text{i}\right) \ Y_1 + \left(0.390681 + 6.245 \times 10^{-17} \ \text{i}\right) \ X_0 \ Y_1 - \left(0.528075 - 1.11022 \times 10^{-16} \ \text{i}\right) \ Y_0 \ Y_1 - \left(0.0329092 + 3.57787 \times 10^{-18} \ \text{i}\right) \ Z_0 - \left(0.207899 + 5.55112 \times 10^{-17} \ \text{i}\right) \ X_1 \ Z_0 - \left(0.1593 - 1.11022 \times 10^{-16} \ \text{i}\right) \ Y_1 \ Z_0 + \left(0.167862 - 2.15865 \times 10^{-16} \ \text{i}\right) \ Y_0 \ Z_1 - \left(0.300475 - 1.94289 \times 10^{-16} \ \text{i}\right) \ X_0 \ Z_1 + \left(0.115991 + 1.38778 \times 10^{-16} \ \text{i}\right) \ Y_0 \ Z_1 - \left(0.271469 - 1.19587 \times 10^{-16} \ \text{i}\right) \ Z_0 \ Z_1$$

» error: 0

test @ Table[0., 2, 2]

- » output: 0. + 0. i
- » error: 0

Integer

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

» output:
$$\frac{17 \text{ Id}_0}{2} + 2 X_0 + i Y_0 - \frac{Z_0}{2}$$

» error: 0

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

$$\begin{array}{l} \text{\textit{w}} \quad \text{output:} \quad -\frac{17 \; \text{Id}_1}{4} \, + \frac{7 \; \text{X}_0}{4} \, + \, 3 \; \text{X}_1 \, + \, \frac{23 \; \text{X}_0 \; \text{X}_1}{4} \, + \, \frac{\dot{\mathbb{I}} \; \text{Y}_0}{4} \, + \, \frac{7}{4} \; \dot{\mathbb{I}} \; \text{X}_1 \, \text{Y}_0 \, + \, \frac{3 \; \dot{\mathbb{I}} \; \text{Y}_1}{2} \, - \\ \\ \frac{9}{4} \; \dot{\mathbb{I}} \; \text{X}_0 \; \text{Y}_1 \, - \, \frac{11 \; \text{Y}_0 \; \text{Y}_1}{4} \, - \, \frac{11 \; \text{Z}_0}{4} \, + \, 4 \; \text{X}_1 \; \text{Z}_0 \, - \, \frac{5}{2} \; \dot{\mathbb{I}} \; \text{Y}_1 \; \text{Z}_0 \, + \, \frac{13 \; \text{Z}_1}{4} \, + \, \frac{\text{X}_0 \; \text{Z}_1}{4} \, + \, \frac{3}{4} \; \dot{\mathbb{I}} \; \text{Y}_0 \; \text{Z}_1 \, - \, \frac{5 \; \text{Z}_0 \; \text{Z}_1}{4} \\ \end{array}$$

» 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

numOubits

True

$$\begin{array}{l} \text{m = RandomInteger[\{-10, 10\}, \{4, 4\}];} \\ \text{GetPauliString[m, 5]} \\ \text{GetPauliString[m, 5, "RemoveIds"} \rightarrow \text{True];} \\ \text{CalcPauliExpressionMatrix[\%]} === \text{CalcPauliExpressionMatrix[\%]} \\ -\frac{11}{4} \text{Id}_0 \text{Id}_1 \text{Id}_2 \text{Id}_3 \text{Id}_4 + \frac{15}{4} \text{Id}_1 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_0 - 3 \text{Id}_0 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_1 - 2 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_0 \text{X}_1 - \frac{9}{4} \text{i} \text{Id}_1 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Y}_0 + \text{i} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_1 \text{Y}_0 + \frac{7}{2} \text{i} \text{Id}_0 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Y}_1 + \frac{5}{2} \text{i} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_0 \text{Y}_1 - \frac{5}{2} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Y}_0 \text{Y}_1 + \frac{21}{4} \text{Id}_1 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Z}_0 + \frac{3}{2} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_1 \text{Z}_0 + 5 \text{i} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Y}_1 \text{Z}_0 + \frac{3}{4} \text{Id}_0 \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Z}_1 - \frac{13}{4} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{X}_0 \text{Z}_1 - \frac{1}{4} \text{i} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Y}_0 \text{Z}_1 + \frac{11}{4} \text{Id}_2 \text{Id}_3 \text{Id}_4 \text{Z}_0 \text{Z}_1 \\ \end{array}$$

targets

```
m = RandomInteger[{-10, 10}, {2, 2}];
GetPauliString[m]
GetPauliString[m, {5}]
\frac{11 \text{ Id}_0}{2} - 3 \text{ X}_0 + 6 \text{ is } \text{Y}_0 + \frac{3 \text{ Z}_0}{2}
\frac{11 \text{ Id}_5}{2} - 3 X<sub>5</sub> + 6 i Y<sub>5</sub> + \frac{3 Z_5}{2}
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[%%]
8\;\text{Id}_0\;\text{Id}_1 + \frac{7\;\text{Id}_1\;X_0}{4} + 3\;\text{Id}_0\;X_1 + \frac{11\;X_0\;X_1}{4} - \frac{9}{4}\;\text{i}\;\text{Id}_1\;Y_0 - \frac{13}{4}\;\text{i}\;X_1\;Y_0 + \frac{3}{2}\;\text{i}\;\text{Id}_0\;Y_1 - \frac{13}{4}\;\text{i}\;X_1\;Y_0 + \frac{3}{4}\;\text{i}\;\text{Id}_0\;Y_1 - \frac{13}{4}\;\text{i}\;X_1\;Y_0 + \frac{3}{4}\;\text{i}\;\text{Id}_0\;Y_1 - \frac{13}{4}\;\text{i}\;X_1\;Y_0 + \frac{3}{4}\;\text{i}\;\text{Id}_0\;Y_1 - \frac{13}{4}\;\text{i}\;X_1\;Y_0 + \frac{3}{4}\;\text{i}\;\text{Id}_0\;Y_1 - \frac{3}{4}\;\text{i}\;X_1\;Y_0 + \frac{3}{4}\;X_1\;Y_0 + \frac{3}{4}\;X_1 + \frac{3}{4}\;X_1\;Y_0 + \frac{3}{4}\;X_1 
           \frac{3}{4} \pm X_0 Y_1 - \frac{5 Y_0 Y_1}{4} + Id_1 Z_0 - \frac{3 X_1 Z_0}{2} + 4 \pm Y_1 Z_0 + Id_0 Z_1 - \frac{5 X_0 Z_1}{4} - \frac{25}{4} \pm Y_0 Z_1 - Z_0 Z_1
  True
```

Index

```
GetPauliString[41-1]
GetPauliString [4^2 - 1]
GetPauliString[4<sup>3</sup> - 1]
Zο
Z_0 Z_1
Z_0 Z_1 Z_2
GetPauliString[5]
X_0 X_1
```

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}]
QuEST`Private`getPauliStringFromDigits[{0, 0, 0}, True]
GetPauliString[{0, 0, 0}, 4]
QuEST`Private`getPauliStringFromDigits[{0, 0, 0}, 4, False]
GetPauliString[\{0, 0, 0\}, 4, "RemoveIds" \rightarrow True]
QuEST`Private`getPauliStringFromDigits[{0, 0, 0}, 4, True]
GetPauliString[{1, 0, 0}, {1, 2, 3}]
... GetPauliString: A different number of target qubits was given (3) than exists in the Pauli string (-Infinity).
$Failed
```

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

```
-6.52209\ \mathsf{Id}_0 - 0.00168947\ \mathsf{X}_0 + 0.000335609\ \mathsf{X}_1 + 0.00233908\ \mathsf{X}_0\ \mathsf{X}_1 - 0.00518865\ \mathsf{X}_2 - 0.00168947\ \mathsf{X}_3 + 0.00168947\ \mathsf{X}_3 + 0.00168947\ \mathsf{X}_3 + 0.00168947\ \mathsf{X}_4 + 0.00168947\ \mathsf{X}_5 +
                                 \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{X}_{3} + \textbf{0.000333484} \; \textbf{X}_{1} \; \textbf{X}_{2} + \textbf{0.000333484} \; \textbf{X}_{1} \; \textbf{X}_{2} + \textbf{0.000333484} \; \textbf{X}_{2} + \textbf{0.000333484} \; \textbf{X}_{3} \; \textbf{X}_{4} + \textbf{0.0003333484} \; \textbf{X}_{5} + \textbf{0.000333484} \; \textbf{X}_{5} + \textbf{0.000333484} \; \textbf{X}_{5} + \textbf{0.000333484} \; \textbf{X}_{5} + \textbf{0.0003333484} \; \textbf{X}_{5} + \textbf{0.0003333484} \; \textbf{X}_{5} + \textbf{0.0003333484} \; \textbf{X}_{5} + \textbf{0.000333484} \; \textbf{X}_{5} + \textbf{0.00033484} \; \textbf{X}_{5} + \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{X}_{5} + \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{0.0003333484} \; \textbf{0.0003333484} \; \textbf{0.0003333484} \; \textbf{0.000333484} \; \textbf{0.00033484} \; \textbf{0.000333484} \; \textbf{0.00033484} \; \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{0.000333484} \; \textbf{
                                  \texttt{0.0000211588} \; \texttt{X}_0 \; \texttt{X}_3 \; + \; \texttt{0.0000198838} \; \texttt{X}_0 \; \texttt{X}_1 \; \texttt{X}_3 \; - \; \texttt{0.000133652} \; \texttt{X}_2 \; \texttt{X}_3 \; - \; \texttt{0.0000311241} \; \texttt{X}_1 \; \texttt{X}_2 \; \texttt{X}_3 \; + \; \texttt{0.0000133652} \; \texttt{X}_2 \; \texttt{X}_3 \; - \; \texttt{0.0000311241} \; \texttt{X}_1 \; \texttt{X}_2 \; \texttt{X}_3 \; + \; \texttt{0.0000198838} \; \texttt{X}_0 \; \texttt{X}_1 \; \texttt{X}_3 \; - \; \texttt{0.0000133652} \; \texttt{X}_2 \; \texttt{X}_3 \; - \; \texttt{0.0000311241} \; \texttt{X}_1 \; \texttt{X}_2 \; \texttt{X}_3 \; + \; \texttt{0.0000198838} \; \texttt{0.0000198838} \; \texttt{0.0000198838} \; \texttt{0.0000133652} \; \texttt{0.0000133652} \; \texttt{0.00000311241} \; \texttt{0.0000198838} \; \texttt{0.0000198838} \; \texttt{0.0000133652} \; \texttt{0.0000133652} \; \texttt{0.00000311241} \; \texttt{0.0000198838} \; \texttt{0.0000198838} \; \texttt{0.0000133652} \; \texttt{0.0000133652} \; \texttt{0.00000311241} \; \texttt{0.0000198838} \; \texttt{0.0000198838} \; \texttt{0.0000133652} \; \texttt{0.0000133652} \; \texttt{0.00000311241} \; \texttt{0.0000198838} \; \texttt{0.0000198838}
                                      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}+0.00812442\ X_{5}\ X_{5}\ X_{5}+0.00812442\ X_{5}\ X_{5}+0.00812442\ X_{5}+
                                      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_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.0000777401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000000777401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_2~X_5-0.000077401~X_5-0.000077401~X_5-0.000077401~X_5-0.0000077401~X_5-0.0000077401~X_5-0.0000077401~X_5-0.0000070
```

 $0.0001908 \; X_1 \; X_2 \; X_5 - 0.00630859 \; X_3 \; X_5 + 0.0661688 \; X_4 \; X_5 + 0.0000169999 \; X_0 \; X_5 + 0.00001699999 \; X_0 \; X_5 + 0.0000169999 \; X_0 \; X_5 + 0.000016999 \; X_0 \; X_5 + 0.0000169999 \; X_0 \; X_5 + 0.00001699999 \; X_0 \; X_5 + 0.0000169999 \; X_0 \; X_5 + 0.00001699999 \; X_0 \; X_5 + 0.00001699$

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

```
 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_0 \; X_3 \; X_4 \; Y_1 \; Y_2 + 4.65274 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 - 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_4 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00135462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.00136462 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.001662 \; X_0 \; X_5 \; Y_1 \; Y_2 + 0.001662 \; X_0 
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 + 0.00011879 \; X_4 \; Y_4 + 0.00011879 \; X_4 \; Y_5 + 0.00011879 \; X_5 +
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_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_3\;Y_4-0.00118593\;X_5\;Y_5-0.00118593\;X_5\;Y_5-0.00118593\;X_5\;Y_5-0.00118593\;X_5\;Y_5-0.00118593\;X_5\;Y_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.001185939\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.00118593\;X_5-0.0011859393\;X_5-0.0018593\;X_5-0.0018593\;X_5-0.0018593\;X_5-0.0018593\;X_5-0.0018593\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.001859595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.001859595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.001859595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.001859595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.0018595\;X_5-0.00185959
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_{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}
 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_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_0 \; Y_1 \; Y_2 \; Y_3 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.000359442 \; X_0 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_4 + 0.0000359442 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_3 \; Y_1 \; Y_2 \; Y_3 \; Y_1 \; Y_2 \; Y_3 \; Y_1 \; Y_2 \; Y_3 \; Y_1 \; Y_1 \; Y_2 \; Y_1 \; Y_2 \; Y_3 \; Y_1 \; Y_2 \; Y_1 \; Y_2 \; Y_1 \; Y_2 \; Y_3 \; Y_1 \; Y_2 \; Y_1 \; Y_2 \; Y_2 \; Y
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_3 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2 + 1.31465 \times 10^{-6} \; Y_1 \; Y_3 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2 + 1.31465 \times 10^{-6} \; Y_1 \; Y_2
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}-0.0118593\ X_{5}+0.00118593\ X_{5}+0.0011859\ X_{5}+0.0011859\ X_{5}+0.0011859\ X_{5}+0.0011859\ X_{5}+0.0011859\ X_{5}+0.0011859\ X_{5}+0.001859\ X
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}+
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_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_5 - 0.00208444 \; Y_0 \; Y_5 \; 
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 - 0.000313619\ X_2\ Z_0 - 0.000313619\ X_0\ Z_0 - 0.00
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 - 0.00076853 \; X_5 
 \texttt{0.0000767563} \ X_1 \ X_3 \ X_4 \ Z_0 \ - \ \texttt{0.0000758441} \ X_5 \ Z_0 \ + \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_5 \ Z_0 \ - \ \texttt{0.0000287213} \ X_1 \ X_2 \ X_1 \ X_2 \ X_2 \ - \ \texttt{0.0000287213} \ X_1 \ X_2 \ X_2 \ - \ \texttt{0.0000287213} \ X_1 \ X_2 \ X_2 \ - \ \texttt{0.0000287213} \ X_2 \ X_2 \ - \ \texttt{0.00000287213} \ X_2 \ X_2 \ - \ \texttt{0.0000287213} \ X_2 \ X_2 \ - \ \texttt{0.0000287213} \ X_2 \ X_2 \ - \ \texttt{0.00000287213} \ X_2 \ X_2 \ - \ \texttt{0.000000287213} \ X_2 \ X_2 \ - \ \texttt{0.00000287213} \ X_2 \ X_2 \ - \ \texttt{0.00000287213} \ X_2 \ X_2 \ - \ \texttt{0.000000287213} \ X_2 \ X_2 \ - \ \texttt{0.00000287213} \ X_2 \ X_2 \ - \ \texttt{0.000002
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 -
0.000023046 \; 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_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 \; 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_2 \; 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 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Z_0 \; - \; 3.44924 \times 10^{-6} \; X_5 \; Y_5 \; 
 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_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_1 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_2 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_3 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_3 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_3 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_3 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_3 \; X_3 \; Y_0 \; - \; 0.00019782 \; X_2 \; X_3 \;
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 +
0.00168947 \; X_0 \; Z_1 + 0.00518865 \; X_2 \; Z_1 + 0.0644581 \; X_0 \; X_2 \; Z_1 - 2.04985 \times 10^{-6} \; X_0 \; X_3 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.00518865 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_2 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; Z_1 + 0.0051866 \times 10^{-6} \; X_0 \; Z_1 + 0.005
0.000159502 \ X_2 \ X_3 \ Z_1 - 1.45579 \times 10^{-6} \ X_0 \ X_3 \ X_4 \ Z_1 + 5.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_3 \ X_4 \ Z_1 + 3.63004 \times 10^{-6} \ X_2 \ X_3 \ X_4 \ X_3 \ X_3 \ X_3 \ X_3 \ X_3 \ X_3 \ 
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 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_3 \; Z_1 \; + \; 0.0000191089 \; Y_0 \; Y_0
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 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_5 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_0 \; Z_1 \; + \; 0.00012895 \; Y_0 \; Y_0 \; Z_1 \; + \; 0.00012895 \; Z_1 \; + \; 0.00012895 \; Z_1 \; Z_2 \; Z_2
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}-6.82832\times 10^{-6}\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ Z_{1}+0.0000425857\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ Z_{1}-10.0000425857\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ Z_{1}-10.00000425857\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ Z_{1}-10.000042587\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ X_{2}\ X_{3}\ Y_{4}\ Y_{5}\ X_{5}\ X_{
0.186609\ Z_{0}\ Z_{1}\ +\ 0.000313619\ X_{2}\ Z_{0}\ Z_{1}\ -\ 0.0180857\ X_{3}\ Z_{0}\ Z_{1}\ -\ 0.00083422\ X_{3}\ X_{4}\ Z_{0}\ Z_{1}\ -\ 0.0180857\ X_{2}\ Z_{1}\ -\ 0.00083422\ X_{3}\ X_{2}\ Z_{1}\ -\ 0.00083422\ X_{2}\ X_{2}\ Z_{2}\ Z_{2}
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_5 \; Y_5 \; X_5 \; Y_5 
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_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 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00317514 \; - \; 0.00
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_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_6 \; X_6 \; X_7 \; X_8 + 0.0190046 \; X_8 \; X_8 + 0.0190046 \; X_8 \; X_8 + 0.0190046 \; X_8 + 0.
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+
 0.0006342 \; X_0 \; Y_1 \; Y_4 \; Z_2 \; + \; 0.00492191 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; - \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_3 \; Y_4 \; Z_2 \; + \; 0.00019782 \; X_1 \; X_5 \; Y_5 \; Y
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 - 0.00218376 \; 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_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 + 0.162106 \; Z_0 \; Z_2 - 0.00218376 \; X_0 \; Y_1 \; Y_2 \; Y_3 \; Y_4 \; Y_5 \; Z_2 + 0.002106 \; Z_0 \; Z_0 \; Z_0 \; Y_1 \; Y_2 \; Y_2 \; Z_0 \; Z_0
0.000335609 \; X_1 \; Z_0 \; Z_2 - 0.0000611861 \; X_4 \; Y_1 \; Y_3 \; Z_0 \; Z_2 + 6.17159 \times 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_2 \; Z_3 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_3 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_4 \; Z_0 \; Z_2 + 10^{-6} \; Y_1 \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Y_1 \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Y_1 \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Y_1 \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Y_1 \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Y_1 \; Z_0 \; Z_1 + 10^{-6} \; Z_1 \; Z_0 \; Z_1 + 10^{-6} \; Z_1 \; Z_0 \; Z_1 + 10^{-6} \; Z_1 \; Z_1 + 10^{-6} \; Z_1 \; Z_1 \; Z_1 + 10^{-6} \; Z_1 \; Z_1 \; Z_1 \; Z_1 \; Z_1 \; Z_1 + 10^{-6} \; Z_1 \;
 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 - 0.0000212508 \; 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 - 0.00000212508 \; 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_2 \; Y_3 \; Y_4 \; Y_5 \; 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 
0.0216777~X_4~X_5~Z_1~Z_2+0.00564146~X_5~Y_3~Y_4~Z_1~Z_2-0.00564146~X_3~Y_4~Y_5~Z_1~Z_2+
 \texttt{0.226558} \ Z_0 \ Z_1 \ Z_2 - \texttt{0.284094} \ Z_3 - \texttt{0.000110504} \ X_0 \ Z_3 + \texttt{0.0000311764} \ X_0 \ X_1 \ X_1 \ X_1 \ X_1 \ X_1 \ X_2 \ X_1 \ X_2 \ X_1 \ X_2 \ X_1 \ X_2 \ X_2 \ X_2 \ X_1 \ X_2 \ 
0.000473615 \; X_2 \; Z_3 \; + \; 0.0000119845 \; X_1 \; X_2 \; Z_3 \; - \; 0.00171463 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.000604774 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_4 \; Z_3 \; + \; 0.00060474 \; X_0 \; X_0 \; Z_0 \; X_0 \; Z_0 \; X_0 \; Z_0 \; X_0 \; Z_0 \;
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_1 \; Z_2 \; X_2 \; X_3 \;
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0.0000466657 \; X_2 \; X_4 \; Y_0 \; Y_1 \; Z_3 \; + \; 0.00443537 \; 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 \; + \; 0.00004666657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_4 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_1 \; Y_2 \; Z_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; Y_2 \; X_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; X_3 \; + \; 0.00004666657 \; X_0 \; X_2 \; 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 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_5 \ Y_2 \ Y_4 \ Z_3 + 0.00633874 \ X_1 \ X_2 \ Y_3 \ Y_4 \ X_2 \ Y_4 \ X_3 \ Y_4 \ X_4 \ X_5 \ Y_5 
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 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_4 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_0 \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_1 \; Y_5 \; Z_3 \; - \; 10^{-6} \; X_1 \; Y_5 \; Z_5 \; - \; 10^{-6} \; X_1 \; Y_5 \; Z_5 \; - \; 10^{-6} \; X_1 \; Y_5
0.00836171\ X_{2}\ Y_{4}\ Y_{5}\ Z_{3}-0.000023046\ X_{1}\ X_{2}\ Y_{4}\ Y_{5}\ Z_{3}+0.000135462\ X_{2}\ Y_{0}\ Y_{1}\ Y_{4}\ Y_{5}\ Z_{3}-0.00135462\ X_{2}\ Y_{0}\ Y_{1}\ Y_{2}\ Y_{2}\ Y_{3}\ Y_{3}\
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 \; - \; 0.000634787 \; 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_0 \; Z_0 \; - \; 0.000634787 \; X_4 \; Y_1 \; Y_2 \; Z_0 \; Z_0 \; Z_0 \; - \; 0.000634787 \; X_1 \; X_2 \; Z_0 \; 
 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_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_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_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_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_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_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_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_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_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_4 \; Y_5 \; Z_0 \; Z_3 \; + \; 0.00636179 \; Y_1 \; Y_2 \; Y_4 \; Y_5 \; Z_0 \; Z_
0.000110504~X_0~Z_1~Z_3-0.000473615~X_2~Z_1~Z_3-4.8746\times 10^{-6}~X_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 \; X_2 \; 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 \; + \; 0.00000169999 \; X_0 \; Y_5 \; Z_2 \; Z_3 \; 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_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_0 \; - \; 0.000643489 \; X_0 \; Z_0 \; Z_0
0.0221369 \text{ Y}_4 \text{ Y}_5 \text{ Z}_0 \text{ Z}_1 \text{ Z}_3 + 0.0591692 \text{ Z}_2 \text{ Z}_3 - 0.00227945 \text{ X}_1 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ X}_4 \text{ Z}_2 \text{ Z}_3 - 0.00227945 \text{ X}_1 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ X}_4 \text{ Z}_2 \text{ Z}_3 - 0.00227945 \text{ X}_1 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ X}_4 \text{ Z}_2 \text{ Z}_3 - 0.00227945 \text{ X}_1 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ X}_4 \text{ Z}_2 \text{ Z}_3 - 0.00227945 \text{ Z}_3 + 0.000536879 \text{ Z}_4 \text{ Z}_2 \text{ Z}_3 - 0.00227945 \text{ Z}_4 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ Z}_4 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ Z}_4 \text{ Z}_2 \text{ Z}_3 + 0.000536879 \text{ Z}_4 \text{ Z}_4 \text{ Z}_4 \text{ Z}_4 \text{ Z}_4 \text{ Z}_5 \text{ Z}_5 + 0.000536879 \text{ Z}_4 \text{ Z}_5 \text{ Z}_5 \text{ Z}_5 + 0.000536879 \text{ Z}_5 \text{ Z}_5 \text{ Z}_5 + 0.000536879 \text{ Z}_5 \text{ Z}_5 \text{ Z}_5 + 0.000536879 \text{ Z}_5 
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_1 \; X_1 \; Z_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.000634314 \; X_1 \; X_2 \; Z_3 \; - \; 0.00063414 \; X_1 \; X_2 \; Z_3 \; - \; 0.0006314 \; X_1 \; X_2 \; Z_3 \; - \;
 \texttt{0.0190046} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.000653789} \; \mathsf{X_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \texttt{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_4} \; \mathsf{Y_5} \; \mathsf{Z_2} \; \mathsf{Z_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_3} \; + \; \mathsf{0.00634842} \; \mathsf{Y_0} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_2} \; \mathsf{Y_1} \; \mathsf{Y_2} \; \mathsf{Y_3} \; \mathsf{
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_{5}\ Z_{5}\ Z_{5}+0.000638266\ 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 \; - \; 0.0011501 \; 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 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; Z_5 \; - \; 0.0011101 \; X_5 \; X_5 \; X_5 \; Z_5 \; - \; 0.00111111 \; 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 + 2.001111 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.00111 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; Y_2 \; Z_4 + 2.0011 \times 10^{-6} \; X_0 \; X_5 \; Y_1 \; X_5 \; Y_1 \; Z_5 \; 
 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_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 \; Y_5 \; Z_5 \; 
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}\ X_{2}\ Z_{2}\ Z_{3}+0.000593752\ X_{2}\ X_{3}\ Z_{2}+0.000593752\ X_{2}+0.000593752\ X_{3}\ X_{3}\ Z_{2}+0.000593752\ X_{2}+0.000593752\ X_{3}\ X_{3}\ Z_{2}+0.000593752\ X_{3}\ X_{3}\ Z_{2}+0.00059772\ X_{3}\ X_{3}\ Z_{2}+0.0005972\ X_{3}\ X_{3}\ Z_{2}+0.0005972\ X_{3}\ X_{3}\ Z_{2}+0.0005972\ X_{3}\ X_{3}\ Z_{2}+0.00005972\ X_{3}\ X_{3}\ Z_{2}+0.00005972\ X_{3}\ X_{3}\ Z_{2}+0.000005972\ X_{3}\ X_{3}\ Z_{2}+0.00005972\ X_{3}\ X_{3}\ Z_{2}+0.000005972\ X_{3}\ X_{3}\ Z_{2}+0.00005972\ X_{3}\ X_{3}\ X_{3}\ Z_{2}+0.00005972\ X_{3}\ X_{3}
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 \; X_5 \; Z_0 \; Z_
0.0001908 \; X_5 \; Y_1 \; Y_2 \; Z_0 \; Z_4 \; - \; 0.0000200201 \; X_2 \; Y_1 \; Y_3 \; Z_0 \; Z_4 \; - \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_2 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_5 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_5 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_5 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_5 \; Y_1 \; Y_5 \; Z_0 \; Z_4 \; + \; 0.000135099 \; X_5 \; Y_1 \; Y_5 \; Z_0 \; Z_5 \; Z_5
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 - 0.00000517994 \; 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 \; Z_1 \; Z_2 \; Z_3 \; Z_3 \; Z_1 \; Z_4 - 0.0000517994 \; X_0 \; Z_2 \; Z_3 \; Z
0.0154095~X_3~Z_2~Z_4-0.000593557~X_1~X_3~Z_2~Z_4+0.000733397~X_5~Z_2~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 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.00019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_1 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; Y_0 \; Z_2 \; Z_4 \; + \; 0.000019084 \; X_5 \; Y_0 \; X_0 \; Z_2 \; Z_3 \; X_0 \; X_0 \; Z_2 \; Z_3 \;
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 \; 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
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_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 \; - \; 0.0000743536 \; X_1 \; Z_3 \; Z_4 \; - \; 0.0000743536 \; X_1 \; Z_3 \; Z_4 \; - \; 0.0000743536 \; X_1 \; Z_3 \; Z_4 \; - \; 0.0000743536 \; X_1 \; Z_3 \; Z_4 \; - \; 0.0000743536 \; X_1 \; Z_3 \; Z_4 \; - \; 0.00007436 \; X_1 \; Z_3 \; Z_4 \; - \; 0.00007436 \; X_1 \; Z_3 \; Z_4 \; - \; 0.000076 \; Z_4 \;
 0.00306375 \; X_5 \; Z_3 \; Z_4 \; - \; 0.0044347 \; X_2 \; Y_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Y_2 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.0044347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.00444347 \; X_0 \; Y_1 \; Z_3 \; Z_4 \; + \; 0.00444347 \; X_0 \; Z_4 \; 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 +
0.0591701\ 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_6 \; + \; 0.001714761 \; Z_6 \; + \; 0.001714761 \; Z_6 \; + \; 0.001714761 \; Z
 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 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.00063478 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.00063478 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.000634787 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.00063478 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_3 \; X_4 \; Z_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X_3 \; X_3 \; X_4 \; X_5 + 0.0006347 \; X_1 \; X_2 \; X_3 \; X
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_0 \; X_1 \; X_2 \; Y_0 \; Y_
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} \; X_0 \; Y_3 \; Y_4 \; Z_5 + 0.00628708 \; X_0 \; X_1 \; Y_3 \; Y_4 \; Z_5 - 5.63004 \times 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \; X_2 \; Y_3 \; Y_4 \; Z_5 - 10^{-6} \;
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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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 \; + \; 0.0000532277 \; 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_1 \; Y_2 \; Y_2 \; Y_
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 +
 \texttt{0.000823784} \; \texttt{X}_2 \; \texttt{X}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00600159} \; \texttt{X}_3 \; \texttt{Y}_0 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; - \; \texttt{0.00811879} \; \texttt{X}_3 \; \texttt{Y}_2 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{2.000811879} \; \texttt{X}_3 \; \texttt{Y}_2 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{2.000811879} \; \texttt{X}_3 \; \texttt{Y}_2 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{2.000811879} \; \texttt{X}_3 \; \texttt{Y}_2 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{2.000811879} \; \texttt{X}_3 \; \texttt{Y}_2 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_5 \; + \; \texttt{2.000811879} \; \texttt{Z}_3 \; \texttt{Z}_4 \; \texttt{Z}_5 \; + \; \texttt{2.000811879} \; \texttt{2.000811879
 \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{0.00812442} \; \texttt{X}_2 \; \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{0.00812442} \; \texttt{X}_2 \; \texttt{Z}_3 \; \texttt{Z}_5 \; + \; \texttt{0.00812442} \; \texttt{0.00812442} \; + \; \texttt{0.00812442} \; \texttt{0.00812442} \; + \; \texttt{0.008124442} \; + \; \texttt{0.00812442} \; +
 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_5 \; - \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.000643489 \; X_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Y_3 \; Y_4 \; Z_0 \; Z_1 \; Z_5 \; + \; 0.0670048 \; Z_2 \; Z_5 \; + \; 0.00083422 \; Z_5 \; + \; 0.
```

```
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 +
    \texttt{0.0600449} \; \texttt{Z}_1 \; \texttt{Z}_2 \; \texttt{Z}_5 \; - \; \texttt{0.000638266} \; \texttt{X}_4 \; \texttt{Z}_1 \; \texttt{Z}_2 \; \texttt{Z}_5 \; - \; \texttt{0.000889543} \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_2 \; \texttt{Z}_5 \; + \; \texttt{0.139703} \; \texttt{Z}_3 \; \texttt{Z}_5 \; - \; \texttt{0.000889543} \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_2 \; \texttt{Z}_5 \; + \; \texttt{0.139703} \; \texttt{Z}_3 \; \texttt{Z}_5 \; - \; \texttt{0.000889543} \; \texttt{Y}_3 \; \texttt{Y}_4 \; \texttt{Z}_1 \; \texttt{Z}_2 \; \texttt{Z}_5 \; + \; \texttt{0.139703} \; \texttt{Z}_3 \; \texttt{Z}_5 \; - \; \texttt{0.000638266} \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.000889543} \; \texttt{Z}_5 \; + \; \texttt{0.000889543} \; \texttt{Z}_5 \; - \; \texttt{0.000889543} \; + \; \texttt{0.0008
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 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_3 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_4 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Y_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Y_1 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Z_5 \; Z_5 \; - \; 10^{-6} \; Z_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Z_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; Z_5 \; Z_5 \; Z_5 \; - \; 10^{-6} \; 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_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
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_{5}\ +\ 0.00067671\ X_{2}\ Z_{5}\ +\ 0.00067671\ X_{2}\ Z_{5}\ +\ 0.00067671\ X_{2}\ Z_{5}\ +\ 0.0006771\ X_{2}\ Z_{5}\ +\ 0.0006771\ X_{2}\ Z_{5}\ +\ 0.0006771\ X_{2}\ Z_{5}\ +\ 0.0006771\ X_{2}\ Z_{5}\ X_{2}\ Z_{5}\ +\ 0.0006771\ X_{2}\ Z_{5}\ X_{2}\ X_
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 \; - \; 0.00147663 \; X_5 \; Z_6 \; Z_6 \; Z_7 \; Z_8 \; Z_8 \; Z_8 \; Z_8 \; Z_8 \; Z_9 \;
   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 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_1 \; Z_4 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_5 \; + \; 0.000676671 \; X_2 \; Z_5 \; + \; 0.000676671 \; X_5 \; Z_5 \; Z_5 \; + \; 0.000676671 \; X_5 \; Z_5 \; Z
 \texttt{0.0630389} \; \texttt{Z}_0 \; \texttt{Z}_1 \; \texttt{Z}_4 \; \texttt{Z}_5 \; + \; \texttt{0.0678368} \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; + \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{X}_1 \; \texttt{Z}_2 \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; \texttt{Z}_4 \; \texttt{Z}_5 \; - \; \texttt{0.00443237} \; - \; \texttt{0.00443237} \; \texttt{0.00443237} \; - \; \texttt{0.004443237} \; - \; \texttt{0.004443237
   0.00012608 \ Y_0 \ Y_1 \ Z_2 \ Z_4 \ Z_5 + 0.0591748 \ Z_1 \ Z_2 \ Z_4 \ Z_5 + 0.147366 \ Z_3 \ Z_4 \ 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<sub>0</sub>
0.1 Id<sub>1</sub> Id<sub>2</sub> Id<sub>3</sub> Id<sub>4</sub> Id<sub>5</sub> X<sub>0</sub>
```

numQubits

```
setTmpFile[".1 1 0 0"];
GetPauliString["tmp.txt", 10]
setTmpFile[".1 1 0 0"];
GetPauliString["tmp.txt", 10, "RemoveIds" → True]
0.1 \text{ Id}_1 \text{ Id}_2 \text{ Id}_3 \text{ Id}_4 \text{ Id}_5 \text{ Id}_6 \text{ Id}_7 \text{ Id}_8 \text{ Id}_9 \text{ X}_0
0.1 X<sub>0</sub>
```

GetPauliString["https://qtechtheory.org/hamil_6qbLiH.txt", 20][;; 10] -6.52209 Id₀ Id₁ Id₂ Id₃ Id₄ Id₅ Id₆ Id₇ Id₈ Id₉ Id₁₀ Id₁₁ $Id_{12} Id_{13} Id_{14} Id_{15} Id_{16} Id_{17} Id_{18} Id_{19} - 0.00168947 Id_1 Id_2 Id_3 Id_4$ $\textbf{Id}_{5} \ \textbf{Id}_{6} \ \textbf{Id}_{7} \ \textbf{Id}_{8} \ \textbf{Id}_{9} \ \textbf{Id}_{10} \ \textbf{Id}_{11} \ \textbf{Id}_{12} \ \textbf{Id}_{13} \ \textbf{Id}_{14} \ \textbf{Id}_{15} \ \textbf{Id}_{16} \ \textbf{Id}_{17} \ \textbf{Id}_{18} \ \textbf{Id}_{19} \ \textbf{X}_{0} \ + \\$ $0.000335609 \; Id_0 \; Id_2 \; Id_3 \; Id_4 \; Id_5 \; Id_6 \; Id_7 \; Id_8 \; Id_9 \; Id_{10} \; Id_{11} \; Id_{12} \; Id_{13} \; Id_{14} \; Id_{15}$ $Id_{16} Id_{17} Id_{18} Id_{19} X_1 + 0.00233908 Id_2 Id_3 Id_4 Id_5 Id_6 Id_7 Id_8 Id_9 Id_{10}$ $Id_{11}\ Id_{12}\ Id_{13}\ Id_{14}\ Id_{15}\ Id_{16}\ Id_{17}\ Id_{18}\ Id_{19}\ X_0\ X_1-0.00518865\ Id_0\ Id_1\ Id_3$ $Id_{4}\ Id_{5}\ Id_{6}\ Id_{7}\ Id_{8}\ Id_{9}\ Id_{10}\ Id_{11}\ Id_{12}\ Id_{13}\ Id_{14}\ Id_{15}\ Id_{16}\ Id_{17}\ Id_{18}\ Id_{19}\ X_{2}\ \textbf{2.32678} \times \textbf{10}^{-6} \; \textbf{Id}_{1} \; \textbf{Id}_{3} \; \textbf{Id}_{4} \; \textbf{Id}_{5} \; \textbf{Id}_{6} \; \textbf{Id}_{7} \; \textbf{Id}_{8} \; \textbf{Id}_{9} \; \textbf{Id}_{10} \; \textbf{Id}_{11} \; \textbf{Id}_{12} \; \textbf{Id}_{13} \; \textbf{Id}_{14}$ Id₁₅ Id₁₆ Id₁₇ Id₁₈ Id₁₉ X₀ X₂ - 0.00238276 Id₀ Id₃ Id₄ Id₅ Id₆ $Id_7 Id_8 Id_9 Id_{10} Id_{11} Id_{12} Id_{13} Id_{14} Id_{15} Id_{16} Id_{17} Id_{18} Id_{19} X_1 X_2 -$ 0.000333484 Id₃ Id₄ Id₅ Id₆ Id₇ Id₈ Id₉ Id₁₀ Id₁₁ Id₁₂ Id₁₃ Id₁₄ Id₁₅ Id₁₆ $Id_{17}\ Id_{18}\ Id_{19}\ X_0\ X_1\ X_2 + 0.0561302\ Id_0\ Id_1\ Id_2\ Id_4\ Id_5\ Id_6\ Id_7\ Id_8\ Id_9\ Id_{10}$ $Id_{11}\ Id_{12}\ Id_{13}\ Id_{14}\ Id_{15}\ Id_{16}\ Id_{17}\ Id_{18}\ Id_{19}\ X_3 + 0.0000211588\ Id_1\ Id_2\ Id_4$ Id₅ Id₆ Id₇ Id₈ Id₉ Id₁₀ Id₁₁ Id₁₂ Id₁₃ Id₁₄ Id₁₅ Id₁₆ Id₁₇ Id₁₈ Id₁₉ X₀ X₃

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 +
 0.0661688 X_4 X_5 + 0.0561302 X_6 - 0.00630859 X_4 X_6 + 0.00165752 X_5 X_6 +
 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

... GetPauliString: A different number of target qubits was given (1) than exists in the Pauli string (2).

\$Failed

... 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

... 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.

$$\frac{13 \text{ Id}_{1}}{4} + \frac{15 \text{ X}_{0}}{4} + 2 \text{ X}_{1} + \frac{21 \text{ X}_{0} \text{ X}_{1}}{4} + \frac{23 \text{ i} \text{ Y}_{0}}{4} + \frac{9}{4} \text{ i} \text{ X}_{1} \text{ Y}_{0} + 6 \text{ i} \text{ Y}_{1} + \frac{7}{4} \text{ i} \text{ X}_{0} \text{ Y}_{1} + \frac{5 \text{ Y}_{0} \text{ Y}_{1}}{4} + \frac{11 \text{ Z}_{0}}{4} + 2 \text{ X}_{1} \text{ Z}_{0} - 2 \text{ i} \text{ Y}_{1} \text{ Z}_{0} - \frac{7 \text{ Z}_{1}}{4} + \frac{13 \text{ X}_{0} \text{ Z}_{1}}{4} - \frac{15}{4} \text{ i} \text{ Y}_{0} \text{ Z}_{1} + \frac{3 \text{ Z}_{0} \text{ Z}_{1}}{4}$$

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} GetPauliString[{1, 0, 0}, {1, 2, 3, 4}]

Digits

```
••• GetPauliString: A different number of target qubits was given (4) than exists in the Pauli string (-Infinity).
$Failed
GetPauliString[{4, 0, 0}]
GetPauliString[{-1, 0, 0}]
QuEST`Private`getPauliStringFromDigits[{4, 0, 0}, True]
QuEST`Private`getPauliStringFromDigits[{-1, 0, 0}, True]
GetPauliString[{a, b, c}]
... GetPauliString: Invalid arguments. See ?GetPauliString
$Failed
GetPauliString[{0, 0, 0}, 2]
 \underbrace{ \text{ GetPauliString:} } \text{ 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 \text{ X}_0 + 0.000335609 \text{ X}_1 + 0.00233908 \text{ X}_0 \text{ X}_1 - 0.00518865 \text{ X}_2
```