TO CORRECT: terms in D_0 that splits a 2-cloud in one part without constants are missing.

Aligned case

A general term with $i <_2 j <_2 k$ has the form $\Gamma = Y_1 | X_1 i X_2 j X_3 k X_4 | Y_2$, where Y_i 's are clouds of $<_1$ and X_j 's are clouds of $<_2$. Denoting by ∂Y_i the summands of $D_0 Y_i$ in which we split a cloud of $<_2$ belonging to Y_i , we have the following formulas:

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+Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                                    + \left. Y_1 | X_1 i X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 i X_2 X_3 X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 X_4 | X_1 X_2 X_3 k X_4 | Y_2 | Y_1 | Y_2 | Y_1 | Y_2 | Y_1 | Y_2 | Y_3 | Y_4 | Y_4 | Y_4 | Y_5 | Y
                                                                                                                                                    +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                                    + \left. Y_1 | X_1 i X_2 X_3 X_4 | Y_2 | | Y_1 | X_1 X_2 X_3 k X_4 | X_1 i X_2 j X_3 X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 k X_4 | Y_1 | X_1 X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 X_1 k X_2 k X_3 k X_4 | X_1 k X_2 k X_3 k X_4 | X_1 k X_1 k X_2 k X_3 k X_4 | X_1 k X_1 k X_2 k X_3 k X_4 | X_1 k X_1 k X_2 k X_3 k X_4 | X_1 k X_1 k X_2 k X_3 k X_4 | X_1 k X_1 k X_2 k X_3 k X_4 | X_1 k X_1 k X_2 k X
                                                                                                                                                    +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                                    + \left. Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 | | Y_1 | X_1 i X_2 X_3 X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2 | Y_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2 | Y_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_4 | Y_5 | Y_5
                                                                                                                                                    +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                                    + \left. Y_{1} | X_{1} X_{2} j X_{3} k X_{4} | Y_{2} | | Y_{1} | X_{1} X_{2} j X_{3} X_{4} | X_{1} i X_{2} X_{3} k X_{4} | Y_{2} | | Y_{1} | X_{1} i X_{2} X_{3} X_{4} | Y_{2} | Y_{1} | X_{1} i X_{2} X_{3} X_{4} | Y_{2} | Y_{2} | Y_{1} | X_{1} i X_{2} X_{3} X_{4} | Y_{2} |
                                                                                                                                                    +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}|
                                                                                                                                                    +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}|
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D_1^j D_2^{ik}(Y_1|X_1iX_2jX_3kX_4|Y_2) = Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2X_3kX_4|Y_2|
                                    +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                    +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                    +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                    +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                    +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                    +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                   +Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2
                                   +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                    +\left.Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                    +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}
                                    +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                    +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}
                                    +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                   +Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1X_2iX_3X_4|Y_2||Y_1|X_1iX_2iX_3kX_4|Y_2|
                                   +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
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D_1^k D_2^{ij}(Y_1|X_1iX_2jX_3kX_4|Y_2) = Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                   +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}
                                   +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                  +Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2|
                                   +Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|Y_2
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}|
                                   +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}|
                                  +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                  +Y_1|X_1X_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2|
                                  +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}
                                   +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}|
```

$$\begin{split} D_2^{ij}D_1^k(Y_1|X_1iX_2jX_3kX_4|Y_2) &= Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3K_4|Y_2||Y_1|X_1X_2X_2X_3X_4|X_1X_2X_2X_2X_2X_2X_2X_2X_2X_2X_2X_2X_2$$

```
\begin{split} D_2^{ik}D_1^j(Y_1|X_1iX_2jX_3kX_4|Y_2) &= Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2jX_3X_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2jX_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2\\ &+ Y_1|X_1X_2X_3X_4X_1X_1X_2X_3X_4|Y_2||Y_1|X_1iX_2X_3X_4X_2Y_2\\ &+ Y_1|X_1
```

```
\begin{split} D_2^{jk}D_1^i(Y_1|X_1iX_2jX_3kX_4|Y_2) &= Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1iX_2X_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|X_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2\\ &+ Y_1|X_1iX_2X_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|X_1X_2X_3kX_4|Y_2\\ &+ Y_1|X_1iX_2X_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1iX_2X_3kX_4|Y_2\\ &+ Y_1|X_1iX_2X_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2\\ &+ Y_1|X_1iX_2X_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2\\ &+ Y_1|X_1iX_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2\\ &+ Y_1|X_1X_2X_3kX_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2jX_3kX_4|Y_2||Y_
```

```
D_0D_3^{ijk}(Y_1|X_1iX_2jX_3kX_4|Y_2) = \partial Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1|X_1X_2jX_2||Y_1||Y_1||X_1X_2jX_2||Y_1||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||Y_1||X_1X_2jX_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1X_2||X_1
                                                                                                                                           +\partial Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                                                           +\partial Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}
                                                                                                                                           +\partial Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                                                           +\partial Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2|
                                                                                                                                           + \partial Y_1 |X_1 X_2 j X_3 k X_4 | X_1 i X_2 X_3 X_4 | Y_2 | |Y_1 | X_1 i X_2 j X_3 X_4 | X_1 X_2 X_3 k X_4 | Y_2
                                                                                                                                           + \partial Y_1 |X_1 X_2 j X_3 k X_4 | X_1 i X_2 X_3 X_4 | Y_2 | |Y_1 | X_1 X_2 j X_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2
                                                                                                                                           +\partial Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}
                                                                                                                                           +\partial Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}
                                                                                                                                           + \partial Y_1 |X_1 X_2 X_3 k X_4| X_1 X_2 j X_3 X_4 |X_1 i X_2 X_3 X_4| Y_2 ||Y_1| X_1 i X_2 j X_3 k X_4 |Y_2|
                                                                                                                                           +Y_1|X_1iX_2jX_3X_4|\partial Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                                                           +Y_1|X_1iX_2jX_3X_4|Y_2||\partial Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                           +Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|\partial Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                                                           +Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||\partial Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|\partial Y_{2}
                                                                                                                                           + \left. Y_1 | X_1 i X_2 j X_3 X_4 | Y_2 | | Y_1 | X_1 i X_2 X_3 k X_4 | Y_2 | | Y_1 | X_1 X_2 X_3 k X_4 | X_1 X_2 j X_3 X_4 | Y_2 | Y_3 X_4 | Y_4 | Y_5 | Y_6 | Y_8 | Y_8
                                                                                                                                           + Y_1 |X_1 i X_2 j X_3 X_4 |Y_2| |Y_1 |X_1 X_2 X_3 k X_4 |Y_2| |Y_1 |X_1 i X_2 X_3 X_4 |X_1 X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 X_4 |X_1 X_2 j X_3 k X_4 |Y_2|
                                                                                                                                           + Y_1 |X_1 i X_2 j X_3 X_4 |Y_2| |Y_1 |X_1 X_2 X_3 k X_4 |Y_2| |Y_1 |X_1 i X_2 X_3 k X_4 |X_1 X_2 j X_3 X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 X_4 |X_1 X_2 j X_3 X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 X_4 |X_1 X_2 j X_3 X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 X_4 |X_1 X_2 j X_3 X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 X_4 |X_1 X_2 j X_3 X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                                                           +Y_1|X_1iX_2jX_3kX_4|\partial Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|X_1X_2X_3kX_4|Y_2
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||\partial Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                                                           + Y_1 |X_1 i X_2 j X_3 k X_4 |Y_2| |Y_1 |X_1 i X_2 X_3 X_4 |Y_2| |Y_1 |X_1 X_2 j X_3 X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |Y_2| |Y_1 |X_1 i X_2 j X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2 X_3 k X_4 |Y_2| + Y_1 |X_1 i X_2 j X_3 k X_4 |X_1 X_2
                                                                                                                                           +Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3X_4|Y_2||Y_1|X_1X_2X_3kX_4|Y_2
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|\partial Y_{2}
                                                                                                                                           +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                                                                                                                           +Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2X_3kX_4|Y_2
                                                                                                                                           +Y_1|X_1iX_2jX_3kX_4|Y_2||Y_1|X_1X_2jX_3X_4|X_1X_2X_3kX_4|Y_2||Y_1|X_1iX_2X_3X_4|Y_2
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                          +\left.Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                           + Y_1 |X_1 i X_2 X_3 X_4 | X_1 X_2 j X_3 X_4 | Y_2 | |Y_1 | X_1 i X_2 X_3 k X_4 | Y_2 | |Y_1 | X_1 X_2 j X_3 k X_4 | Y_2 |
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                                                          + \left. Y_1 | X_1 i X_2 X_3 X_4 | X_1 X_2 X_3 k X_4 | X_1 X_2 j X_3 X_4 | Y_2 | | Y_1 | X_1 i X_2 X_3 X_4 | X_1 X_2 j X_3 k X_4 | Y_2 | Y_3 | Y_4 | Y_4 | Y_5 | Y_5 | Y_6 | Y_6
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                                                           +Y_1|X_1iX_2X_3kX_4|X_1X_2jX_3X_4|\partial Y_2||Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2
                                                                                                                                           +Y_1|X_1iX_2X_3kX_4|X_1X_2jX_3X_4|Y_2||\partial Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|\partial Y_{2}
                                                                                                                                           + \left. Y_1 | X_1 i X_2 X_3 k X_4 | X_1 \underline{X}_2 j X_3 X_4 | Y_2 | | Y_1 | X_1 i X_2 X_3 X_4 | X_1 X_2 X_3 k X_4 | X_1 X_2 j X_3 X_4 | Y_2 | Y_2 | Y_3 X_4 | Y_4 | Y_4 | Y_5 | Y_
                                                                                                                                           +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}|
```

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D_3^{ijk}D_0(Y_1|X_1iX_2jX_3kX_4|Y_2) = \partial Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                            +\partial Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                            + \partial Y_1 |X_1 i X_2 X_3 k X_4 | X_1 X_2 j X_3 X_4 | Y_2 | |Y_1 | X_1 i X_2 X_3 X_4 | X_1 X_2 j X_3 k X_4 | Y_2
                                                                                                            + \partial Y_1 |X_1 X_2 j X_3 X_4| X_1 i X_2 X_3 k X_4 |Y_2| |Y_1| X_1 i X_2 j X_3 X_4 |X_1 X_2 X_3 k X_4 |Y_2|
                                                                                                            +\partial Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2|
                                                                                                            + \partial Y_1 |X_1 X_2 j X_3 k X_4 | X_1 i X_2 X_3 X_4 | Y_2 | |Y_1 | X_1 i X_2 j X_3 X_4 | X_1 X_2 X_3 k X_4 | Y_2
                                                                                                            +\partial Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                            + \partial Y_1 |X_1 X_2 X_3 k X_4| X_1 i X_2 j X_3 X_4 |Y_2| |Y_1| X_1 i X_2 X_3 X_4 |X_1 X_2 j X_3 k X_4 |Y_2|
                                                                                                            +\partial Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}
                                                                                                            + \left. \partial Y_1 | X_1 X_2 X_3 k X_4 | X_1 X_2 j X_3 X_4 | X_1 i X_2 X_3 X_4 | Y_2 | |Y_1| X_1 i X_2 j X_3 k X_4 | Y_2 | Y_3 X_4 | Y_4 | Y_4 | Y_5 | Y_6 |
                                                                                                            +Y_1|X_1iX_2jX_3X_4|Y_2||\partial Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                            +Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||\partial Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                            + \left. Y_1 |X_1 i X_2 j X_3 X_4 | Y_2 || Y_1 |X_1 i X_2 X_3 k X_4 | Y_2 || Y_1 |X_1 X_2 j X_3 k X_4 | \partial Y_2 \right.
                                                                                                            +Y_1|X_1iX_2jX_3X_4|Y_2||Y_1|X_1iX_2X_3kX_4|\partial Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                            +Y_1|X_1iX_2jX_3X_4|\partial Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1X_2jX_3kX_4|Y_2|
                                                                                                            +Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||\partial Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}iX_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|\partial Y_{2}
                                                                                                            +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}|
                                                                                                            +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}
                                                                                                            +Y_1|X_1iX_2X_3kX_4|X_1X_2jX_3X_4|Y_2||\partial Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2|
                                                                                                            +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|\partial Y_{2}
                                                                                                            +Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}|
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}|
                                                                                                            +Y_1|X_1X_2jX_3X_4|X_1iX_2X_3kX_4|\partial Y_2||Y_1|X_1iX_2jX_3X_4|X_1X_2X_3kX_4|Y_2|
                                                                                                            + Y_1 |X_1 X_2 j X_3 X_4| X_1 i X_2 X_3 k X_4 |Y_2| |\partial Y_1 |X_1 i X_2 j X_3 X_4| X_1 X_2 X_3 k X_4 |Y_2|
                                                                                                           + \left. Y_1 | X_1 X_2 j X_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2 | | | Y_1 | X_1 i X_2 j X_3 X_4 | X_1 X_2 X_3 k X_4 | \partial Y_2 | | Y_3 | Y_4 | Y_4 | Y_5 | Y_6 | Y_6
                                                                                                            + \left. Y_1 | X_1 X_2 j X_3 X_4 | X_1 X_2 X_3 k X_4 | X_1 i X_2 X_3 X_4 | Y_2 | | Y_1 | X_1 X_2 j X_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2 | Y_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2 | Y_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_2 | Y_3 X_4 | X_1 i X_2 X_3 k X_4 | Y_3 | Y_4 | Y_5 | Y_5
                                                                                                            +Y_1|X_1X_2jX_3kX_4|\partial Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|Y_2|
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||\partial Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}|
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}||\partial Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|Y_{2}|
                                                                                                            +Y_1|X_1X_2jX_3kX_4|Y_2||Y_1|X_1iX_2X_3kX_4|Y_2||Y_1|X_1iX_2jX_3X_4|\partial Y_2
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|\partial Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}iX_{2}X_{3}kX_{4}|Y_{2}
                                                                                                           + \left. Y_1 | X_1 X_2 j X_3 k X_4 | X_1 i X_2 X_3 X_4 | Y_2 | | \partial Y_1 | X_1 i X_2 j X_3 X_4 | X_1 X_2 X_3 k X_4 | Y_2 \right.
                                                                                                            +Y_1|X_1X_2jX_3kX_4|X_1iX_2X_3X_4|Y_2||\partial Y_1|X_1X_2jX_3X_4|X_1iX_2X_3kX_4|Y_2|
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}iX_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|\partial Y_{2}
                                                                                                            + \left. Y_1 | X_1 X_2 j X_3 k X_4 | X_1 i X_2 X_3 X_4 | Y_2 | | | Y_1 | X_1 X_2 j X_3 X_4 | X_1 i X_2 X_3 k X_4 | \partial Y_2 | | Y_3 | Y_4 | Y_4 | Y_5 | Y_5
                                                                                                            +Y_{1}|X_{1}X_{2}jX_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}||Y_{1}|X_{1}X_{2}jX_{3}X_{4}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}X_{3}X_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}X_{4}|X_{1}X_{2}jX_{3}kX_{4}|Y_{2}
                                                                                                            +Y_{1}|X_{1}X_{2}X_{3}kX_{4}|X_{1}iX_{2}jX_{3}X_{4}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}X_{3}kX_{4}|X_{1}X_{2}jX_{3}X_{4}|Y_{2}
```

 $+ Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||\partial Y_1|X_1iX_2X_3X_4|X_1X_2jX_3kX_4|Y_2\\ + Y_1|X_1X_2X_3kX_4|X_1iX_2jX_3X_4|Y_2||\partial Y_1|X_1iX_2X_3kX_4|X_1X_2jX_3X_4|Y_2\\$