## Left mixed case

In case  $i <_2 j <_1 k$ , we can write  $\Gamma = Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3$ , where  $Y_i$ 's are clouds of  $<_1$  and  $X_j$ 's are clouds of  $<_2$ . We denote by  $\partial Y_i$  the summands of  $D_0 Y_i$  in which we split a cloud of  $<_2$  belonging to  $Y_i$ .

When we apply the differential  $D_3$  to a monomial, the derived variables cannot be simply doubled, as Fox monomials can contain only one derived variable. This issue can be addressed by imposing a "splitting rule" for monomials containing more than one derived variable. One can verify that the following equation makes the two sides equal for any evaluation, providing a way to resolve double derivations:

$$M_1 |\partial Y_i| M_2 |\partial Y_i| M_3 = M_1 |\partial Y_i| M_2 |Y_i| M_3 + M_1 |Y_i| M_2 |\partial Y_i| M_3$$

This is a consequence of the fact that  $D_0(M||N) = D_0(M)||N + M||D_0(N)$ . Putting all together, we have the following formulas:

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\begin{split} D_1^i D_2^{jk} (Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3) &= Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | Y_3 | | Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 i X_2 j X_3 | Y_2 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 j X_3 | Y_2 | Y_3 | | Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | Y_3 | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 \\ &+ Y_1 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5
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\begin{split} D_1^j D_2^{ik}(Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3) &= Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|Y_3||Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X
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D_{1}^{k}D_{2}^{ij}(Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}) = Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3} \\ + Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3} \\ + Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3} \\ + Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3} \\ + Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3} \\ + Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3} \\ + Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}Y_{5}|Y_{5} \\ + Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}Y_{5}|Y_{5} \\ + Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}Y_{5}|Y_{5} \\ + Y_{1}|X_{1}iX_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}Y_{5}|Y_{3} \\ + Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3} \\ + Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{3}|Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|Y_{2}|X_{4}X_{5}|Y_{3}|Y_{2}|X_{4}X_{5}|Y_{3}|Y_{2}|X_{4}X_{5}|Y_{3
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\begin{split} D_2^{ij}D_1^k(Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3) &= Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|Y_3||Y_1|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|Y_3||Y_1|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|Y_2|X_4kX_5|Y_3\\ &+ Y_1|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_3\\ &+ Y_1|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_3\\ &+ Y_1|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|Y_2|X_4kX_5|Y_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2jX_3|X_1iX_2X_2X_1X_2X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_1X_2X_
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 $+Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|\\+Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}\\+Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}$ 

$$\begin{split} D_2^{jk}D_1^i(Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3) &= Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|Y_3\\ &+ Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|Y_2|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|Y_3||Y_1|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|X_3|Y_2|X_4kX_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|X_5|Y_3\\ &+ Y_1|X_1iX_2X_3|Y_2|X_4kX_5|X_5|X_5\\ &+ Y_1|X_1iX_2X_3|X_2|X_5\\ &+ Y_1|X_1iX_2X_3|X_$$

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D_0 D_3^{ijk}(Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3) =
  = \partial Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_4 | X_5 | Y_5 | Y_6 | Y_7 | Y_8 | Y_
  +Y_{1}|X_{1}iX_{2}jX_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||\partial Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|\partial Y_3|
  +\partial Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3|
  +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}X_{2}iX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||\partial Y_{1}|X_{1}iX_{2}iX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}|
 +Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}X_{3}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|Y_3|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_1|X_1iX_2jX_3|Y_2|X_4X_5|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|Y_3
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|X_{4}X_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||\partial Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 + \left. Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 X_2 j X_3 | Y_2 | Y_3 | | Y_1 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_4 | X_5 | Y_5 | Y_6 | Y_8 |
 +Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|Y_3
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3}
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|Y_{3}
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|Y_{3}
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+ \left. Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 X_2 X_3 | X_1 i X_2 X_3 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_4 | X_5 | Y_5 | Y_6 | Y_7 | Y_8 |
+Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|X_1X_2X_3|Y_2|X_4kX_5|Y_3|
+Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}X_{5}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|X_{4}X_{5}|Y_{3}|
+Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+ Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|Y_{3}||Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_1|X_1X_2X_3|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}X_{2}X_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}X_{2}X_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4X_5|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|X_{4}X_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|Y_2|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}||Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|Y_{3}
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|Y_{3}
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}X_{3}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
+Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4X_5|X_4kX_5|Y_3|
+Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|X_4X_5|Y_3|
```

```
D_3^{ijk}D_0(Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3) =
  = \partial Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | | Y_1 | X_1 i X_2 X_3 | X_1 X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_4 k X_5 | Y_5 | Y_6 | Y_7 | Y_8 | Y_
  +Y_{1}|X_{1}iX_{2}jX_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||\partial Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|Y_3|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2X_3|X_1X_2jX_3|Y_2|X_4kX_5|\partial Y_3|
  +\partial Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3|
  +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|\partial Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3
  +Y_{1}|X_{1}X_{2}iX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||\partial Y_{1}|X_{1}iX_{2}iX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|\partial Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||\partial Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|\partial Y_{3}|
  + Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 + Y_{1}|Y_{2}|Y_{3}||Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|Y_{2}|Y_{3}
 +Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3||Y_1|Y_2|Y_3
 +Y_{1}|X_{1}X_{2}X_{3}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}X_{3}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_1|X_1X_2X_3|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1iX_2jX_3|Y_2|X_4kX_5|Y_3
  +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}X_{2}X_{3}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3||Y_1|X_1X_2jX_3|X_1iX_2X_3|Y_2|X_4kX_5|Y_3|
 +Y_{1}|X_{1}iX_{2}jX_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|X_{1}X_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}X_{5}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}X_{5}|X_{4}kX_{5}|Y_{3}
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}X_{5}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}|
 +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}X_{5}|X_{4}kX_{5}|Y_{3}|
  +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|X_{4}X_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}
 +Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}X_{3}|X_{1}X_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|X_{4}X_{5}|Y_{3}|
 + \left. Y_1 | X_1 X_2 j X_3 | X_1 i X_2 X_3 | Y_2 | X_4 k X_5 | X_4 X_5 | Y_3 | | Y_1 | X_1 i X_2 j X_3 | Y_2 | X_4 k X_5 | Y_3 | Y_4 | X_5 | Y_5 | Y_6 | Y_8 | Y_8
  +Y_{1}|X_{1}X_{2}jX_{3}|X_{1}iX_{2}X_{3}|Y_{2}|X_{4}kX_{5}|Y_{3}||Y_{1}|X_{1}iX_{2}jX_{3}|Y_{2}|X_{4}kX_{5}|X_{4}X_{5}|Y_{3}|
```