TO CORRECT: there is a missing Y_3 in the middle that must be adjoined, together with the D_0 terms coming from ∂Y_3 .

Right mixed case

In case $i <_1 j <_2 k$, we can write $\Gamma = Y_1 | X_1 i X_2 | X_3 j X_4 k X_5 | Y_2$, 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:

```
D_1^iD_2^{jk}(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) = Y_1|X_1iX_2|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_3jX_4kX_5|Y_2|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                                                                                      +Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                                                                                      +Y_{1}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}
                                                                                                                      + \left. Y_1 | X_3 j X_4 k X_5 | Y_2 | | Y_1 | X_1 i X_2 | X_3 j X_4 X_5 | X_3 X_4 k X_5 | Y_2 | | Y_1 | X_1 i X_2 | Y_2 | Y_2 | Y_3 | Y_4 | Y_5 |
                                                                                                                      +Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                                                                      +Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
D_1^jD_2^{ik}(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) = Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3jX_4X_5|Y_2|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}|
                                                                                                                      +Y_1|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2|
                                                                                                                      + \left. Y_1 | X_1 i X_2 | X_3 X_4 k X_5 | Y_2 | | Y_1 | X_1 i X_2 | X_3 j X_4 X_5 | Y_2 | | Y_1 | X_3 j X_4 k X_5 | Y_2 | Y_1 | X_1 i X_2 | X_2 i X_3 i X_4 i X_5 | Y_2 | X_3 i X_5 | X_5 i X_5 | X_5 i X_5 | X_5 i X_5 | X_5 i X_5 i X_5 | X_5 i X_5 i X_5 | X_5 i X_5 i
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}|
D_1^k D_2^{ij}(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) = Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                                                                      +Y_1|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2|
```

 $+Y_{1}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}|$

```
\begin{split} D_2^{ij}D_1^k(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) &= Y_1|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3X_4kX_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2||Y_1|X_3X_4kX_5|Y_2\\ &+ Y_1|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2\\ \end{split}
```

```
\begin{split} D_2^{ik}D_1^j(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) &= Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_3jX_4X_5|Y_2\\ &+ Y_1|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2\\ &+ Y_1|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2\\ \end{split}
```

```
\begin{split} D_2^{jk}D_1^i(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) &= Y_1|X_1iX_2|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_3jX_4kX_5|Y_2\\ &+ Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|Y_2\\ &+ Y_1|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|Y_2\\ &+ Y_1|X_1iX_2|Y_2||Y_1|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2\\ &+ Y_1|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3jX_4X_5|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|Y_2\\ &+ Y_1|X_1iX_2|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3jX_4X_5|X_3jX_4kX_5|Y_2\\ &+ Y_1|X_1iX_2|Y_2||Y_1|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2\\ &+ Y_1|X_1iX_2|Y_2||Y_1|X_3X_4kX_5|X_3X_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|Y_2\\ &+ Y_1|X_1iX_2|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_4X_5|X_3jX_
```

```
D_0D_3^{ijk}(Y_1|X_1iX_2|X_3jX_4kX_5|Y_2) = Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_3X_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}iX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}iX_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{1}X_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                        + \partial Y_1 | X_1 i X_2 | X_3 X_4 k X_5 | X_3 j X_4 X_5 | Y_2 | | Y_1 | X_1 i X_2 | X_3 j X_4 k X_5 | Y_2 |
                                                                        +Y_{1}|X_{1}iX_{2}|X_{1}X_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|X_{3}X_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{1}X_{2}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2||Y_1|Y_2
                                                                        +Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_1X_2|X_3jX_4kX_5|Y_2|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|X_{3}X_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|Y_2||Y_1|X_3X_4kX_5|Y_2|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}X_{2}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|\partial Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}X_{2}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|\partial Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|X_3X_4X_5|Y_2
                                                                        + \partial Y_1 |X_1 i X_2 | X_3 j X_4 k X_5 | Y_2 | |Y_1 | X_1 i X_2 | X_3 j X_4 X_5 | X_3 X_4 k X_5 | Y_2
                                                                        +Y_1|X_1X_2|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2|
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_1X_2|X_3jX_4X_5|X_3X_4kX_5|Y_2|
                                                                        + \left. Y_{1} | X_{1} i X_{2} | X_{3} X_{4} k X_{5} | X_{3} j X_{4} X_{5} | Y_{2} | | \partial Y_{1} | X_{1} i X_{2} | X_{3} j X_{4} k X_{5} | Y_{2} \right.
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                                        +Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|\partial Y_2|
                                                                        +Y_{1}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                                        +Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        +Y_{1}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||\partial Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2|
                                                                        +Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|X_3X_4X_5|Y_2|
                                                                        +Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2|
                                                                        +Y_1|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2|
                                                                        +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3X_4kX_5|Y_2||Y_1|X_3jX_4X_5|Y_2|
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                                        + Y_1|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2|
                                                                        + \left. Y_1 | X_1 i X_2 | X_3 X_4 k X_5 | X_3 j X_4 X_5 | Y_2 | | Y_1 | X_1 i X_2 | X_3 X_4 k X_5 | X_3 j X_4 X_5 | Y_2 | Y_3 | Y_4 | Y_5 |
                                                                        +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}^{\prime}kX_{5}|Y_{2}||Y_{1}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|Y_{2}
```

 $+Y_{1}|X_{1}iX_{2}|Y_{2}||Y_{1}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}$

```
D_{2}^{ijk}D_{0}(Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}) = Y_{1}|X_{1}iX_{2}|X_{1}X_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                    +\partial Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2
                                                    +Y_{1}|X_{1}iX_{2}|X_{1}X_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|X_{3}X_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|Y_{2}
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                    +Y_1|X_1X_2|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{1}X_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|X_{3}X_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}iX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}X_{2}|X_{1}iX_{2}|X_{3}iX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                    +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|\partial Y_2|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}X_{2}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|\partial Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|X_{3}X_{4}X_{5}|Y_{2}
                                                    +\partial Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2|
                                                    +Y_1|X_1X_2|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2|
                                                    + \left. Y_1 | X_1 i X_2 | X_3 X_4 k X_5 | X_3 j X_4 X_5 | Y_2 | | \partial Y_1 | X_1 i X_2 | X_3 j X_4 k X_5 | Y_2 \right.
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{1}X_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}
                                                    +Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|\partial Y_2|
                                                    +Y_{1}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}|
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}X_{5}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                    +Y_1|X_1iX_2|X_3jX_4kX_5|Y_2||\partial Y_1|X_1iX_2|X_3jX_4X_5|X_3X_4kX_5|Y_2|
                                                    + \left. Y_1 | X_1 i X_2 | X_3 X_4 k X_5 | X_3 j X_4 X_5 | Y_2 | | Y_1 | X_1 i X_2 | X_3 j X_4 k X_5 | X_3 X_4 X_5 | Y_2 \right.
                                                    +Y_1|X_1iX_2|X_3X_4kX_5|X_3jX_4X_5|\partial Y_2||Y_1|X_1iX_2|X_3jX_4kX_5|Y_2|
                                                    +Y_{1}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}kX_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}jX_{4}X_{5}|X_{3}X_{4}kX_{5}|Y_{2}
                                                    +Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}||Y_{1}|X_{1}iX_{2}|X_{3}X_{4}kX_{5}|X_{3}jX_{4}X_{5}|Y_{2}|
```