

$$\begin{aligned}
& \frac{-1i \langle 35 \rangle^4 [12]^3}{s_{345} [16] \langle 45 \rangle \langle 34 \rangle \langle 3|1+2|6 \rangle \langle 5|1+6|2 \rangle} + \\
& \frac{1i [24]^4 \langle 56 \rangle^3}{s_{234} \langle 16 \rangle [23] [34] \langle 1|2+3|4 \rangle \langle 5|1+6|2 \rangle} + \\
& \frac{1i \langle 3|1+2|4 \rangle^4}{\langle 12 \rangle \langle 23 \rangle [45] [56] \langle 1|2+3|4 \rangle \langle 3|1+2|6 \rangle s_{123}}
\end{aligned}$$

$$\begin{aligned}
& \frac{1i\langle 56\rangle^3[12]^3}{s_{123}[23]\langle 45\rangle\langle 6|1+2|3]\langle 4|2+3|1]} + \\
& \frac{-1i\langle 6|1+2|4]^4}{s_{345}\langle 16\rangle[45][34]\langle 12\rangle\langle 6|1+2|3]\langle 2|1+6|5]} + \\
& \frac{1i\langle 3|2+4|1]^4}{[16]\langle 23\rangle\langle 34\rangle[56]\langle 2|1+6|5]\langle 4|2+3|1]s_{234}}
\end{aligned}$$