

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

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