

$$\begin{aligned}
& \frac{1/3i[12]\langle 23\rangle[24]^2\langle 34\rangle\langle 2|3+4|1|^2}{[16]\langle 24\rangle[56]\langle 2|3+4|2|^3\langle 2|1+6|5]} + \\
& \frac{-1/2i[12]\langle 23\rangle[24]\langle 34\rangle\langle 2|3+4|1|^2}{[16]\langle 24\rangle^2[56]\langle 2|3+4|2|^2\langle 2|1+6|5]} + \\
& \frac{-5/6i[12]\langle 23\rangle[24]\langle 2|3+4|1\rangle\langle 3|2+4|1]}{[16]\langle 24\rangle[56]\langle 2|3+4|2|^2\langle 2|1+6|5]} + \\
& \frac{1i[12]\langle 23\rangle\langle 34\rangle\langle 2|3+4|1|^2}{[16]\langle 24\rangle^3[56]\langle 2|3+4|2\rangle\langle 2|1+6|5]} + \\
& \frac{3/2i[12]\langle 23\rangle\langle 2|3+4|1\rangle\langle 3|2+4|1]}{[16]\langle 24\rangle^2[56]\langle 2|3+4|2\rangle\langle 2|1+6|5]} + \\
& \frac{-11/6i[12]\langle 23\rangle[34]\langle 3|2+4|1|^2}{[16]\langle 24\rangle[56]\langle 2|3+4|2\rangle\langle 2|1+6|5]s_{234}} + \\
& \frac{-1i[13]^2\langle 23\rangle^2\langle 34\rangle\langle 3|2+4|1]}{[16]\langle 24\rangle^3[56]\langle 2|1+6|5]s_{234}} + \\
& \frac{\langle 23\rangle[13]\langle 3|2+4|1\rangle(3/2i[12]\langle 23\rangle-7/2i[14]\langle 34\rangle)}{[16]\langle 24\rangle^2[56]\langle 2|1+6|5]s_{234}} + \\
& \frac{[14]\langle 3|2+4|1\rangle(10/3i[12]\langle 23\rangle-13/3i[14]\langle 34\rangle)}{[16]\langle 24\rangle[56]\langle 2|1+6|5]s_{234}} +
\end{aligned}$$

$$(123456 \rightarrow \overline{654321})$$