

$$\begin{aligned}
& \frac{1/3i[12]\langle 13 \rangle^2[14]^2\langle 1|2+3|4\rangle s_{123}}{\langle 12 \rangle[45][56]\langle 1|2+3|1 \rangle^3\langle 1|2+3|6 \rangle} + \\
& \frac{-1/2i[12]\langle 13 \rangle[14]\langle 23 \rangle[26]\langle 1|2+3|4 \rangle^2}{\langle 12 \rangle[45][56]\langle 1|2+3|1 \rangle^2\langle 1|2+3|6 \rangle^2} + \\
& \frac{\langle 13 \rangle[14][12]\langle 1|2+3|4 \rangle(5/6i\langle 13 \rangle[14]+4/3i\langle 23 \rangle[24])}{\langle 12 \rangle[45][56]\langle 1|2+3|1 \rangle^2\langle 1|2+3|6 \rangle} + \\
& \frac{1i[12]\langle 23 \rangle^2[26]^2\langle 1|2+3|4 \rangle^3}{\langle 12 \rangle[45][56]\langle 1|2+3|1 \rangle\langle 1|2+3|6 \rangle^3 s_{123}} + \\
& \frac{[12]\langle 23 \rangle[26]\langle 1|2+3|4 \rangle^2(-2i\langle 13 \rangle[14]-7/2i\langle 23 \rangle[24])}{\langle 12 \rangle[45][56]\langle 1|2+3|1 \rangle\langle 1|2+3|6 \rangle^2 s_{123}} + \\
& \frac{[12]\langle 1|2+3|4 \rangle(11/6i\langle 13 \rangle^2[14]^2+17/3i\langle 13 \rangle[14]\langle 23 \rangle[24]+13/3i\langle 23 \rangle^2[24]^2)}{\langle 12 \rangle[45][56]\langle 1|2+3|1 \rangle\langle 1|2+3|6 \rangle s_{123}} + \\
& (123456 \rightarrow \overline{654321}) + \\
& \frac{\langle 13 \rangle^2[46]^2(-1i\langle 12 \rangle^2[12][14][24]\langle 34 \rangle \dots \langle 43 \text{ terms} \rangle \dots + 1i\langle 23 \rangle[24]\langle 45 \rangle^2[45]^2)}{\langle 12 \rangle\langle 23 \rangle[45][56]\langle 1|2+3|6 \rangle^3 s_{123}} + \\
& \frac{\langle 13 \rangle[46](1i\langle 12 \rangle[12]\langle 13 \rangle[14]\langle 23 \rangle[24] \dots \langle 35 \text{ terms} \rangle \dots + 1/2i\langle 23 \rangle[24]\langle 35 \rangle\langle 45 \rangle[45]^2)}{\langle 12 \rangle\langle 23 \rangle[45][56]\langle 1|2+3|6 \rangle^2 s_{123}} + \\
& \frac{16/3i\langle 13 \rangle^3[14]^3 \dots \langle 5 \text{ terms} \rangle \dots + 11/6i\langle 23 \rangle^3[24]^3}{\langle 12 \rangle\langle 23 \rangle[45][56]\langle 1|2+3|6 \rangle s_{123}}
\end{aligned}$$