

$$\begin{aligned}
& \frac{1/2[12][15]\langle 24\rangle\langle 46\rangle\langle 1|2+3|4]}{\langle 12\rangle\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 4|2+3|1]} + \\
& \frac{-1\langle 13\rangle[13][15]\langle 24\rangle\langle 46\rangle\langle 1|2+3|4]}{\langle 12\rangle^2\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 4|2+3|1]} + \\
& \frac{-1\langle 13\rangle[35]\langle 6|2+4|3]}{\langle 12\rangle^2[23][34]\langle 56\rangle[56]} + \\
& \frac{\langle 46\rangle(2\langle 23\rangle[25]+3/2\langle 13\rangle[15])}{\langle 12\rangle\langle 23\rangle[23]\langle 56\rangle[56]} + \\
& \frac{-1/2[25]\langle 26\rangle+3/2[45]\langle 46\rangle}{\langle 12\rangle[34]\langle 56\rangle[56]} + \\
& (123456 \rightarrow -\overline{432165})
\end{aligned}$$