

$$\begin{aligned}
& \frac{1/3i[12]^3 \langle 16 \rangle^2 \langle 24 \rangle^4}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle^3} + \\
& \frac{1/2i[12]^2 \langle 16 \rangle \langle 24 \rangle^4 \langle 56 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle^2} + \\
& \frac{-2i[12]^2 \langle 16 \rangle \langle 24 \rangle^3 \langle 46 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle^2} + \\
& \frac{1i[12] \langle 24 \rangle^4 \langle 56 \rangle^2}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle^3 \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle} + \\
& \frac{-4i[12] \langle 24 \rangle^3 \langle 46 \rangle \langle 56 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle} + \\
& \frac{6i[12] \langle 24 \rangle^2 \langle 46 \rangle^2}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle} + \\
& \frac{-1/3i[15]^3 \langle 16 \rangle^2 \langle 45 \rangle^3}{\langle 15 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 5|1+6|5 \rangle^3} + \\
& \frac{1/2i \langle 12 \rangle [15]^2 \langle 16 \rangle \langle 45 \rangle^3 \langle 56 \rangle}{\langle 15 \rangle^2 \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle \langle 5|1+6|5 \rangle^2} + \\
& \frac{1i[15]^2 \langle 16 \rangle^2 \langle 45 \rangle^3}{\langle 15 \rangle^2 \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 5|1+6|5 \rangle^2} + \\
& \frac{-1i \langle 12 \rangle^2 [15] \langle 45 \rangle^3 \langle 56 \rangle^2}{\langle 15 \rangle^3 \langle 23 \rangle \langle 25 \rangle^3 \langle 34 \rangle \langle 5|1+6|5 \rangle} + \\
& \frac{-3i[15] \langle 16 \rangle \langle 26 \rangle \langle 45 \rangle^3}{\langle 15 \rangle^2 \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle \langle 5|1+6|5 \rangle}
\end{aligned}$$