

$$\begin{aligned}
& \frac{-1/3i[24][12]^2\langle 26\rangle\langle 16\rangle\langle 2|1+6|4|^3}{\langle 12\rangle[34][45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle\langle 2|1+6|2\rangle^3} + \\
& \frac{-1/2i\langle 26\rangle^2\langle 16\rangle[16][12][24]\langle 2|1+6|4|^2}{\langle 12\rangle[45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle^2\langle 2|1+6|2\rangle^2} + \\
& \frac{5/6i[12][24]\langle 26\rangle\langle 2|1+6|4|^2\langle 6|1+2|4|}{\langle 12\rangle[34][45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle\langle 2|1+6|2\rangle^2} + \\
& \frac{-1i[24][34]\langle 16\rangle[16]^2\langle 26\rangle^3\langle 2|1+6|4|}{\langle 12\rangle[45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle^3\langle 2|1+6|2\rangle} + \\
& \frac{2i[16][24]\langle 26\rangle^2\langle 2|1+6|4|\langle 6|1+2|4|}{\langle 12\rangle[45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle^2\langle 2|1+6|2\rangle} + \\
& \frac{-1/2i[12][14]\langle 16\rangle\langle 26\rangle\langle 2|1+6|4|^2}{\langle 12\rangle[45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle^2\langle 2|1+6|2\rangle} + \\
& \frac{11/6i[24]\langle 26\rangle\langle 2|3+5|4|\langle 6|1+2|4|^2}{\langle 12\rangle\langle 16\rangle[34][45]\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle\langle 2|1+6|2\rangle} + \\
& \frac{-1/3i\langle 35\rangle^2[34][45]\langle 56\rangle\langle 6|1+2|5|^2}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|5\rangle\langle 5|3+4|5\rangle^3} + \\
& \frac{1/2i\langle 35\rangle[34][45]\langle 56\rangle\langle 6|1+2|5|^2}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|5\rangle\langle 5|3+4|5\rangle^2} + \\
& \frac{-7/6i\langle 35\rangle[45]\langle 56\rangle\langle 6|1+2|5\rangle\langle 6|1+2|4|}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|5\rangle\langle 5|3+4|5\rangle^2} + \\
& \frac{-1i[34][45]\langle 56\rangle\langle 6|1+2|5|^2}{\langle 12\rangle\langle 16\rangle[35]^3\langle 2|1+6|5\rangle\langle 5|3+4|5\rangle} + \\
& \frac{5/2i[45]\langle 56\rangle\langle 6|1+2|5\rangle\langle 6|1+2|4|}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|5\rangle\langle 5|3+4|5\rangle} + \\
& \frac{-11/6i[45]\langle 56\rangle\langle 6|1+2|4|^2}{\langle 12\rangle\langle 16\rangle[34][35]\langle 2|1+6|5\rangle\langle 5|3+4|5\rangle} + \\
& \frac{-1i[34]\langle 36\rangle s_{345}\langle 25\rangle^2\langle 6|1+2|3|^2}{\langle 12\rangle\langle 16\rangle[35]\langle 45\rangle\langle 2|1+6|3\rangle^3\langle 3|4+5|3\rangle} + \\
& \frac{\langle 26\rangle^2[34]^2(1i[14]\langle 16\rangle\langle 13\rangle[13]\dots\langle 7\text{ terms}\rangle\dots+1i[23]\langle 26\rangle[46]\langle 36\rangle)}{\langle 12\rangle\langle 16\rangle[35][45]\langle 2|1+6|3\rangle^3} + \\
& \frac{-1/2i\langle 25\rangle[34]^2\langle 36\rangle^2 s_{345}\langle 6|1+2|3|}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3\rangle^2\langle 3|4+5|3\rangle^2} + \\
& \frac{-1i[34]\langle 36\rangle\langle 25\rangle s_{345}\langle 6|1+2|3|^2}{\langle 12\rangle\langle 16\rangle[35]^2\langle 45\rangle\langle 2|1+6|3\rangle^2\langle 3|4+5|3\rangle} + \\
& \frac{1i[34]\langle 36\rangle s_{345}\langle 25\rangle\langle 56\rangle\langle 6|1+2|3|}{\langle 12\rangle\langle 16\rangle[35]\langle 45\rangle\langle 2|1+6|3\rangle^2\langle 3|4+5|3\rangle} + \\
& \frac{-5/2i[34]\langle 36\rangle\langle 25\rangle\langle 35\rangle\langle 6|1+2|3|^2}{\langle 12\rangle\langle 16\rangle[35]\langle 45\rangle\langle 2|1+6|3\rangle^2\langle 3|4+5|3\rangle} + \\
& \frac{\langle 26\rangle[34](-1/2i[14]^2\langle 12\rangle[15]\langle 16\rangle^2\dots\langle 13\text{ terms}\rangle\dots-3/2i[24]\langle 26\rangle^2[46]\langle 46\rangle[45])}{\langle 12\rangle\langle 16\rangle[35][45]\langle 2|1+6|3\rangle^2\langle 2|1+6|5\rangle} + \\
& \frac{-1/3i[34]^3\langle 36\rangle^3\langle 45\rangle s_{345}}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle^3} + \\
& \frac{-1/2i[34]^2\langle 36\rangle^2\langle 6|1+2|3\rangle s_{345}}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle^2} + \\
& \frac{1i[34]^2\langle 36\rangle^2\langle 56\rangle s_{345}}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle^2} + \\
& \frac{-7/6i[34]^2\langle 36\rangle^2\langle 35\rangle\langle 6|1+2|3|}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle^2} + \\
& \frac{-1i[34]\langle 36\rangle\langle 6|1+2|3|^2 s_{345}}{\langle 12\rangle\langle 16\rangle[35]^3\langle 45\rangle\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle} + \\
& \frac{-2i[34]\langle 36\rangle\langle 35\rangle\langle 6|1+2|3|^2}{\langle 12\rangle\langle 16\rangle[35]^2\langle 45\rangle\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle} + \\
& \frac{1i[34]\langle 36\rangle\langle 56\rangle s_{345}\langle 6|1+2|3|}{\langle 12\rangle\langle 16\rangle[35]^2\langle 45\rangle\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle} + \\
& \frac{-11/6i[34]\langle 36\rangle\langle 35\rangle^2\langle 6|1+2|3|^2}{\langle 12\rangle\langle 16\rangle[35]\langle 45\rangle\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle s_{345}} + \\
& \frac{-1i[34]\langle 36\rangle\langle 56\rangle^2 s_{345}}{\langle 12\rangle\langle 16\rangle[35]\langle 45\rangle\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle} + \\
& \frac{7/3i[34]\langle 36\rangle\langle 35\rangle\langle 56\rangle\langle 6|1+2|3|}{\langle 12\rangle\langle 16\rangle[35]\langle 45\rangle\langle 2|1+6|3\rangle\langle 3|4+5|3\rangle} + \\
& \frac{1i\langle 36\rangle[34]\langle 6|1+2|3|^2}{\langle 12\rangle\langle 16\rangle[35]^3\langle 45\rangle\langle 2|1+6|3\rangle} + \\
& \frac{-11/6i[14]^3\langle 12\rangle\langle 16\rangle^3[13]\dots\langle 32\text{ terms}\rangle\dots+11/6i[24]^2\langle 26\rangle^3[34]\langle 46\rangle[46]}{s_{345}\langle 2|1+6|5\rangle\langle 2|1+6|3\rangle[35][34]\langle 16\rangle\langle 12\rangle}
\end{aligned}$$