

$$\begin{aligned}
& \frac{1/3i[12][24]^2\langle 26 \rangle^2\langle 2|1+6|4|^2s_{345}}{\langle 12 \rangle [34][45]\langle 2|1+6|2 \rangle^3\langle 2|1+6|3 \rangle \langle 2|1+6|5 \rangle} + \\
& \frac{-1/2i[12][13]\langle 16 \rangle [24]\langle 26 \rangle \langle 2|1+6|4|^3}{\langle 12 \rangle [34][45]\langle 2|1+6|2 \rangle^2\langle 2|1+6|3 \rangle^2\langle 2|1+6|5 \rangle} + \\
& \frac{[12][24]\langle 26 \rangle \langle 2|1+6|4|^2(4/3i[14]\langle 16 \rangle + 5/6i[24]\langle 26 \rangle)}{\langle 12 \rangle [34][45]\langle 2|1+6|2 \rangle^2\langle 2|1+6|3 \rangle \langle 2|1+6|5 \rangle} + \\
& \frac{1i[12][13]^2\langle 16 \rangle^2\langle 2|1+6|4|^4}{\langle 12 \rangle [34][45]\langle 2|1+6|2 \rangle \langle 2|1+6|3 \rangle^3\langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{\langle 16 \rangle [12][13]\langle 2|1+6|4|^3(-7/2i[14]\langle 16 \rangle - 2i[24]\langle 26 \rangle)}{\langle 12 \rangle [34][45]\langle 2|1+6|2 \rangle \langle 2|1+6|3 \rangle^2\langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{[12]\langle 2|1+6|4 \rangle^2(13/3i[14]^2\langle 16 \rangle^2 + 17/3i[14]\langle 16 \rangle [24]\langle 26 \rangle + 11/6i[24]^2\langle 26 \rangle^2)}{\langle 12 \rangle [34][45]\langle 2|1+6|2 \rangle \langle 2|1+6|3 \rangle \langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{1/3i[34]^2\langle 35 \rangle \langle 36 \rangle^2\langle 6|1+2|3 \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\langle 26 \rangle [34]^3\langle 36 \rangle^2\langle 45 \rangle^2[45]}{\langle 12 \rangle \langle 16 \rangle [35]\langle 2|1+6|3 \rangle^2\langle 3|4+5|3 \rangle^2} + \\
& \frac{[34]^2\langle 36 \rangle [45]\langle 6|1+2|3 \rangle (1/3i\langle 34 \rangle \langle 56 \rangle + 1/2i\langle 35 \rangle \langle 46 \rangle)}{\langle 12 \rangle \langle 16 \rangle [35]^2\langle 2|1+6|3 \rangle \langle 3|4+5|3 \rangle^2} + \\
& \frac{5/6i[34]^2\langle 35 \rangle \langle 36 \rangle^2\langle 6|1+2|3 \rangle}{\langle 12 \rangle \langle 16 \rangle [35]\langle 2|1+6|3 \rangle \langle 3|4+5|3 \rangle^2} + \\
& \frac{1i\langle 25 \rangle^2[34]\langle 36 \rangle [45]\langle 6|1+2|3 \rangle^2}{\langle 12 \rangle \langle 16 \rangle [35]\langle 2|1+6|3 \rangle^3\langle 3|4+5|3 \rangle} + \\
& \frac{[34]^2\langle 6|1+2|3 \rangle (-11/6i\langle 12 \rangle [14][15]^2\langle 16 \rangle^2 \dots \langle 31 \text{ terms} \rangle \dots - 1/3i\langle 26 \rangle [45]^2\langle 46 \rangle \langle 56 \rangle [56])}{\langle 12 \rangle \langle 16 \rangle [35]^3[45]\langle 2|1+6|3 \rangle^2\langle 3|4+5|3 \rangle} + \\
& \frac{1i[34]\langle 36 \rangle [45]\langle 56 \rangle \langle 6|1+2|3 \rangle}{\langle 12 \rangle \langle 16 \rangle [35]^2\langle 2|1+6|3 \rangle \langle 3|4+5|3 \rangle} + \\
& \frac{1/3i\langle 35 \rangle [45]^2\langle 56 \rangle^2\langle 6|1+2|5 \rangle s_{345}}{\langle 12 \rangle \langle 16 \rangle [35]\langle 2|1+6|5 \rangle \langle 5|3+4|5 \rangle^3} + \\
& \frac{1/2i[34]\langle 35 \rangle [45]^2\langle 46 \rangle \langle 56 \rangle \langle 6|1+2|5 \rangle}{\langle 12 \rangle \langle 16 \rangle [35]^2\langle 2|1+6|5 \rangle \langle 5|3+4|5 \rangle^2} + \\
& \frac{\langle 35 \rangle [45]\langle 56 \rangle \langle 6|1+2|5 \rangle (-7/6i[14]\langle 16 \rangle - 7/6i[24]\langle 26 \rangle + 1/2i[34]\langle 36 \rangle)}{\langle 12 \rangle \langle 16 \rangle [35]\langle 2|1+6|5 \rangle \langle 5|3+4|5 \rangle^2} + \\
& \frac{1i[34]^2\langle 35 \rangle [45]^2\langle 46 \rangle^2\langle 6|1+2|5 \rangle}{\langle 12 \rangle \langle 16 \rangle [35]^3\langle 2|1+6|5 \rangle \langle 5|3+4|5 \rangle s_{345}} + \\
& \frac{[34]\langle 35 \rangle [45]\langle 46 \rangle \langle 6|1+2|5 \rangle (-3/2i[14]\langle 16 \rangle - 3/2i[24]\langle 26 \rangle + 2i[34]\langle 36 \rangle)}{\langle 12 \rangle \langle 16 \rangle [35]^2\langle 2|1+6|5 \rangle \langle 5|3+4|5 \rangle s_{345}} + \\
& \frac{\langle 35 \rangle \langle 6|1+2|5 \rangle (11/6i[14]^2\langle 16 \rangle^2 \dots \langle 4 \text{ terms} \rangle \dots + 1i[34]^2\langle 36 \rangle^2)}{\langle 12 \rangle \langle 16 \rangle [35]\langle 2|1+6|5 \rangle \langle 5|3+4|5 \rangle s_{345}} + \\
& \frac{\langle 26 \rangle [34]\langle 2|1+6|4 \rangle^2(-1i\langle 12 \rangle [12]^2\langle 16 \rangle \langle 26 \rangle \dots \langle 12 \text{ terms} \rangle \dots + 2i[23]\langle 26 \rangle^2[26]\langle 36 \rangle)}{\langle 12 \rangle \langle 16 \rangle [45]\langle 2|1+6|3 \rangle^3\langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{[34]^2(-1/2i\langle 23 \rangle [23][24]\langle 26 \rangle^2[35]^2\langle 36 \rangle \dots \langle 45 \text{ terms} \rangle \dots - 12i\langle 26 \rangle [36][45]^3\langle 46 \rangle^2\langle 56 \rangle)}{\langle 12 \rangle \langle 16 \rangle [35]^3[45]\langle 2|1+6|3 \rangle^2s_{345}} + \\
& \frac{-1i\langle 23 \rangle [25]^2\langle 26 \rangle^2[34]^3[45]\langle 46 \rangle \dots \langle 78 \text{ terms} \rangle \dots + 4i\langle 26 \rangle [34][35][45]^3\langle 46 \rangle \langle 56 \rangle^2[56]}{\langle 12 \rangle \langle 16 \rangle [35]^3[45]\langle 2|1+6|3 \rangle \langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{[45]^2(73/8i[13]^2\langle 16 \rangle^2\langle 36 \rangle \dots \langle 6 \text{ terms} \rangle \dots - 147/16i[34][45]\langle 46 \rangle^2\langle 56 \rangle)}{\langle 12 \rangle \langle 16 \rangle [35]^3\langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{-7/2i[14]^2[15]\langle 16 \rangle^3 \dots \langle 10 \text{ terms} \rangle \dots - 53/4i[25]\langle 26 \rangle [45]^2\langle 56 \rangle^2}{\langle 12 \rangle \langle 16 \rangle [35]^2\langle 2|1+6|5 \rangle s_{345}} + \\
& \frac{-11/6i[14]^3\langle 16 \rangle^3 \dots \langle 8 \text{ terms} \rangle \dots - 49/8i[34]^3\langle 36 \rangle^3}{\langle 12 \rangle \langle 16 \rangle [34][35]\langle 2|1+6|5 \rangle s_{345}}
\end{aligned}$$