

$$\begin{aligned}
& \frac{-2/3i\langle 56 \rangle [15]^3 \langle 14 \rangle^3}{\langle 12 \rangle \langle 15 \rangle \langle 23 \rangle \langle 34 \rangle [56] \langle 1 \rangle [5+6|1]^2} + \\
& \frac{1i[15]^3 \langle 45 \rangle \langle 14 \rangle^2}{\langle 12 \rangle \langle 15 \rangle \langle 23 \rangle \langle 34 \rangle [16][56] \langle 1 \rangle [5+6|1]} + \\
& \frac{1/3i\langle 14 \rangle^2 [15]^3 \langle 4|2+3|1 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 34 \rangle [16][56] \langle 1 \rangle [5+6|1] s_{234}} + \\
& \frac{2/3i\langle 24 \rangle^4 [12]^3 \langle 16 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle [16] \langle 2 \rangle [1+6|2]^2} + \\
& \frac{-1i\langle 24 \rangle^3 [12]^2 \langle 45 \rangle \langle 26 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle \langle 45 \rangle [16] \langle 2 \rangle [1+6|2]} + \\
& \frac{-1/3i\langle 24 \rangle^4 \langle 16 \rangle [12]^3}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle [16] \langle 2 \rangle [1+6|2] s_{345}} + \\
& \frac{-1i\langle 24 \rangle^3 [12]^2 \langle 46 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle [16] \langle 2 \rangle [1+6|2]} + \\
& \frac{-2/3i[15]^3 \langle 45 \rangle^3 \langle 16 \rangle}{\langle 15 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle [16] \langle 5 \rangle [1+6|5]^2} + \\
& \frac{-1i[15]^2 \langle 45 \rangle^2 \langle 56 \rangle \langle 14 \rangle}{\langle 15 \rangle^2 \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle [16] \langle 5 \rangle [1+6|5]} + \\
& \frac{-1i[15]^2 \langle 45 \rangle^2 \langle 56 \rangle \langle 24 \rangle}{\langle 15 \rangle \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle [16] \langle 5 \rangle [1+6|5]} + \\
& \frac{1/3i\langle 45 \rangle^3 \langle 16 \rangle [15]^3}{\langle 15 \rangle \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle [16] \langle 5 \rangle [1+6|5] s_{234}} + \\
& \frac{-1/3i\langle 12 \rangle [15]^3 \langle 45 \rangle^3}{\langle 15 \rangle [16] \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle [56] s_{234}} + \\
& \frac{-1/3i[15]^3 \langle 24 \rangle \langle 45 \rangle^2}{[16] \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle [56] s_{234}} + \\
& \frac{-1/3i[12] \langle 13 \rangle^2 \langle 26 \rangle^2 [35]^4}{\langle 12 \rangle^2 \langle 16 \rangle \langle 23 \rangle [34] [45] [56] s_{123} s_{345}} + \\
& (123456 \rightarrow 321654) + \\
& \frac{-1i[13]^2 \langle 24 \rangle \langle 26 \rangle}{\langle 12 \rangle [16] \langle 23 \rangle \langle 25 \rangle^2 [34]} + \\
& \frac{1i\langle 24 \rangle \langle 26 \rangle \langle 46 \rangle^2}{\langle 12 \rangle \langle 16 \rangle \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle} + \\
& \frac{\langle 26 \rangle (-5i\langle 13 \rangle^2 [15]^3 [34]^2 [35] \langle 45 \rangle^2 \langle 46 \rangle \dots \langle 340 \text{ terms} \rangle \dots + 1i[14] \langle 34 \rangle [34] [36] [45] \langle 46 \rangle^4 [46] [56])}{\langle 12 \rangle \langle 16 \rangle [16] \langle 23 \rangle \langle 25 \rangle \langle 34 \rangle [34] [45] [56] [56] s_{234} s_{345}} + \\
& \frac{-1/3i\langle 13 \rangle^2 [14]^2 [15] \langle 35 \rangle [35]^4 \langle 45 \rangle^2 \langle 46 \rangle^2 \dots \langle 2578 \text{ terms} \rangle \dots - 1/3i[16] [36] [45]^2 \langle 46 \rangle^4 \langle 56 \rangle^3 [56]^3}{\langle 12 \rangle \langle 16 \rangle [16] \langle 23 \rangle \langle 34 \rangle [34] [45] [45] [56] [56] s_{123} s_{234} s_{345}} + \\
& \frac{-2/9i\langle 46 \rangle^4}{\langle 12 \rangle \langle 16 \rangle \langle 23 \rangle \langle 34 \rangle \langle 45 \rangle \langle 56 \rangle}
\end{aligned}$$