

$$\begin{aligned}
& \frac{2/3i[12]\langle 13 \rangle^2[14]^2\langle 12+3|4 \rangle}{\langle 12 \rangle[45][56]\langle 12+3|1 \rangle^2\langle 12+3|6 \rangle} + \\
& \frac{-1i\langle 13 \rangle^2[14]^2[26]\langle 12+3|4 \rangle}{\langle 12 \rangle[45][56]\langle 12+3|1 \rangle\langle 12+3|6 \rangle^2} + \\
& \frac{2/3i\langle 13 \rangle^2[14]^2[24]}{\langle 12 \rangle[45][56]\langle 12+3|1 \rangle\langle 12+3|6 \rangle} + \\
& \frac{2/3i[12][24]^2\langle 26 \rangle^2\langle 21+6|4 \rangle^2}{\langle 12 \rangle[34][45]\langle 21+6|2 \rangle^2\langle 21+6|3 \rangle\langle 21+6|5 \rangle} + \\
& \frac{1i[13][24]^2\langle 26 \rangle^2\langle 21+6|4 \rangle^2}{\langle 12 \rangle[34][45]\langle 21+6|2 \rangle\langle 21+6|3 \rangle^2\langle 21+6|5 \rangle} + \\
& \frac{-2/3i[14][24]^2\langle 26 \rangle^2\langle 21+6|4 \rangle}{\langle 12 \rangle[34][45]\langle 21+6|2 \rangle\langle 21+6|3 \rangle\langle 21+6|5 \rangle} + \\
& \frac{2/3i[12]^3\langle 23 \rangle^3[34]}{[16]\langle 24 \rangle[56]\langle 23+4|2 \rangle^2\langle 21+6|5 \rangle} + \\
& \frac{-1i[12]^2[13]\langle 23 \rangle^3}{[16]\langle 24 \rangle^2[56]\langle 23+4|2 \rangle\langle 21+6|5 \rangle} + \\
& \frac{-2i[12]^2[14]\langle 23 \rangle^2}{[16]\langle 24 \rangle[56]\langle 23+4|2 \rangle\langle 21+6|5 \rangle} + \\
& \frac{2/3i\langle 25 \rangle[34]^2\langle 36 \rangle^3s_{345}}{\langle 12 \rangle\langle 16 \rangle\langle 21+6|3 \rangle\langle 21+6|5 \rangle\langle 34+5|3 \rangle^2} + \\
& \frac{-2/3i[34]^2\langle 36 \rangle^3s_{345}}{\langle 12 \rangle\langle 16 \rangle[35]\langle 21+6|5 \rangle\langle 34+5|3 \rangle^2} + \\
& \frac{2/3i[34]^2\langle 35 \rangle\langle 36 \rangle^3}{\langle 12 \rangle\langle 16 \rangle\langle 21+6|5 \rangle\langle 34+5|3 \rangle^2} + \\
& \frac{-1i\langle 25 \rangle[34]\langle 36 \rangle^2\langle 21+6|4 \rangle\langle 61+2|3 \rangle}{\langle 12 \rangle\langle 16 \rangle\langle 21+6|3 \rangle^2\langle 21+6|5 \rangle\langle 34+5|3 \rangle} + \\
& \frac{-1i[34]^2\langle 36 \rangle^2[45]\langle 46 \rangle}{\langle 12 \rangle\langle 16 \rangle[35]^2\langle 21+6|5 \rangle\langle 34+5|3 \rangle} + \\
& \frac{1i[34]\langle 36 \rangle^2\langle 61+2|4 \rangle}{\langle 12 \rangle\langle 16 \rangle[35]\langle 21+6|5 \rangle\langle 34+5|3 \rangle} + \\
& \frac{-4/3i[34]^2\langle 36 \rangle^3}{\langle 12 \rangle\langle 16 \rangle[35]\langle 21+6|5 \rangle\langle 34+5|3 \rangle} + \\
& \frac{-1/4i\langle 26 \rangle\langle 21+6|4 \rangle\langle 51+6|4 \rangle\langle 62+3|1 \rangle\Pi_{246}}{\langle 12 \rangle\langle 21+6|3 \rangle^2\langle 21+6|5 \rangle\Delta_{624}} + \\
& \frac{-1i\langle 26 \rangle\langle 21+6|4 \rangle\langle 61+3|4 \rangle^2}{\langle 12 \rangle\langle 16 \rangle[45]\langle 21+6|3 \rangle^2\langle 21+6|5 \rangle} + \\
& \frac{1i[14]\langle 26 \rangle\langle 56 \rangle\langle 21+6|4 \rangle}{\langle 12 \rangle\langle 21+6|3 \rangle^2\langle 21+6|5 \rangle} + \\
& \frac{-5/24i\langle 26 \rangle\langle 21+6|4 \rangle\langle 31+6|2 \rangle\langle 51+6|4 \rangle\langle 62+3|1 \rangle\Pi_{246}}{\langle 12 \rangle\langle 21+6|3 \rangle\langle 21+6|5 \rangle\Delta_{624}^2} + \\
& \frac{5/12i\langle 12 \rangle^4[12]^4\langle 13 \rangle[13][14]^2\langle 16 \rangle\langle 23 \rangle \dots \langle 2558 \text{ terms} \rangle \dots -1/4i[13][24]^2\langle 26 \rangle^4[26]\langle 34 \rangle^2\langle 46 \rangle[46]^3}{\langle 12 \rangle\langle 16 \rangle[16]\langle 23 \rangle[23]\langle 45 \rangle[45][56]\langle 21+6|3 \rangle\langle 21+6|5 \rangle\Delta_{624}} + \\
& \frac{1i[13]\langle 23 \rangle\langle 32+4|1 \rangle^2}{[16]\langle 24 \rangle^2[56]\langle 21+6|5 \rangle s_{234}} + \\
& \frac{1i[14]\langle 32+4|1 \rangle^2}{[16]\langle 24 \rangle[56]\langle 21+6|5 \rangle s_{234}} + \\
& \frac{-5/12i\langle 36 \rangle\langle 21+6|4 \rangle\langle 31+6|2 \rangle\langle 51+6|4 \rangle\langle 62+3|1 \rangle}{\langle 12 \rangle\langle 21+6|5 \rangle\Delta_{624}^2} + \\
& \frac{2/9i[24]^4\langle 56 \rangle^3}{\langle 16 \rangle[23][34]\langle 12+3|4 \rangle\langle 51+6|2 \rangle s_{234}} + \\
& \frac{-1/3i\langle 25 \rangle\langle 35 \rangle\langle 36 \rangle^3}{\langle 12 \rangle\langle 16 \rangle\langle 23 \rangle\langle 34 \rangle\langle 45 \rangle\langle 21+6|5 \rangle} + \\
& (123456 \rightarrow \overline{654321}) + \\
& \frac{1/4i\langle 13 \rangle[46]\langle 31+6|2 \rangle\langle 51+6|4 \rangle\Pi_{624}}{\langle 12 \rangle[56]\langle 12+3|6 \rangle^2\Delta_{624}} + \\
& \frac{-1i\langle 13 \rangle[46]\langle 31+5|4 \rangle^2}{\langle 12 \rangle\langle 23 \rangle[45][56]\langle 12+3|6 \rangle^2} + \\
& \frac{-1i\langle 13 \rangle[24]\langle 35 \rangle[46]}{\langle 12 \rangle[56]\langle 12+3|6 \rangle^2} + \\
& \frac{5/24i\langle 13 \rangle[46]\langle 31+6|2 \rangle\langle 51+6|4 \rangle\langle 62+3|1 \rangle\Pi_{624}}{\langle 12 \rangle[56]\langle 12+3|6 \rangle\Delta_{624}^2} + \\
& \frac{5/2i\langle 12 \rangle^2\langle 14 \rangle[14]^3[23][24]^2\langle 34 \rangle^2\langle 35 \rangle \dots \langle 995 \text{ terms} \rangle \dots -1/12i[24]^2\langle 25 \rangle^3[25]^2\langle 34 \rangle\langle 35 \rangle\langle 45 \rangle[45]^2}{\langle 12 \rangle\langle 16 \rangle[16]\langle 23 \rangle[23]\langle 45 \rangle[45][56]\langle 12+3|6 \rangle\Delta_{624}} + \\
& \frac{-53/4i\langle 12 \rangle^2\langle 13 \rangle[13]^2[14]^2[24]^2\langle 34 \rangle^2\langle 36 \rangle \dots \langle 2475 \text{ terms} \rangle \dots +31/6i[14]\langle 36 \rangle^2\langle 46 \rangle^4[46]^5}{\langle 12 \rangle\langle 16 \rangle[16]\langle 23 \rangle[23]\langle 45 \rangle[45][56]\langle 21+6|5 \rangle\Delta_{624}} + \\
& \frac{2/9i\langle 31+2|4 \rangle^4}{\langle 12 \rangle\langle 23 \rangle[45][56]\langle 12+3|4 \rangle\langle 31+2|6 \rangle s_{123}}
\end{aligned}$$