

$$\begin{aligned}
& \frac{2/3\langle 1|3+4|2\rangle[5|1+3|6\rangle](s_{324}-s_{124})(s_{14}-s_{32})}{\langle 1|2+4|3\rangle^2\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{-1/2\langle 12\rangle[24]\langle 3|2+4|1\rangle\langle 4|1+3|2\rangle[5|1+3|6\rangle](s_{132}-s_{134})}{\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}^2} + \\
& \frac{1/3[12]\langle 3|2+4|3\rangle s_{123}[5|1+3|6\rangle]}{[13]\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{[12][5|1+3|6\rangle](s_{24}-s_{56})(4/3\langle 12\rangle[12]+5/3\langle 14\rangle[14]+1/3\langle 34\rangle[34])}{[13]\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{1[12]^2\langle 13\rangle\langle 26\rangle[35](s_{24}-s_{56})}{[13]\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{16/3[14]\langle 34\rangle[35]\langle 46\rangle+4/3[13][25]\langle 26\rangle\langle 34\rangle-16/3\langle 12\rangle[12][15]\langle 46\rangle-2\langle 14\rangle[14][15]\langle 46\rangle}{[13]\langle 24\rangle\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \\
& \frac{4[25]\langle 36\rangle}{\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \\
& \frac{-1[12]^2\langle 13\rangle^2\langle 26\rangle[35]\dots\langle 7\text{ terms}\rangle\dots+1/2\langle 23\rangle^2[23]^2[25]\langle 36\rangle}{\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{[5|1+3|6\rangle](-7/3\langle 12\rangle[12]^2\langle 13\rangle\dots\langle 3\text{ terms}\rangle\dots-1/3\langle 23\rangle[23][24]\langle 34\rangle)}{\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{(s_{36}-s_{15})(4/3[25]\langle 34\rangle[34]\langle 36\rangle\dots\langle 3\text{ terms}\rangle\dots-4/3\langle 12\rangle[12][25]\langle 36\rangle)}{\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{8/3\langle 13\rangle[13]\langle 23\rangle[24][25]\langle 46\rangle\dots\langle 8\text{ terms}\rangle\dots-8/3\langle 23\rangle[23][25]\langle 34\rangle[34]\langle 36\rangle}{\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle\Delta_{13|24|56}} + \\
& \frac{-1\langle 14\rangle[24]\langle 3|2+4|1\rangle\langle 4|1+3|2\rangle[5|1+3|6\rangle]}{\langle 1|2+4|3\rangle\Delta_{13|24|56}^2} + \\
& (123456 \rightarrow \overline{432165})
\end{aligned}$$