

$$\begin{aligned}
& \frac{-3/64\langle 14\rangle[14]\langle 4|2+3|1\rangle\langle 6|1+4|5\rangle(s_{134}-s_{124})}{\langle 2|1+4|3\rangle\Delta_{32|14|56}^2} + \\
& \frac{-15/64\langle 4|2+3|1\rangle\langle 6|1+4|5\rangle(s_{32}-s_{56})(s_{134}-s_{124})}{\langle 2|1+4|3\rangle\Delta_{32|14|56}^2} + \\
& \frac{9/16[12]\langle 14\rangle\langle 26\rangle[45]\langle 4|2+3|1\rangle(s_{134}-s_{124})}{\langle 2|1+4|3\rangle\Delta_{32|14|56}^2} + \\
& \frac{-9/32[14]\langle 34\rangle[35]\langle 46\rangle(s_{132}-s_{324})(s_{134}-s_{124})}{\langle 2|1+4|3\rangle\Delta_{32|14|56}^2} + \\
& \frac{-3/8[15]\langle 34\rangle\langle 36\rangle}{\langle 23\rangle\Delta_{32|14|56}} + \\
& \frac{3/8[12]\langle 26\rangle\langle 46\rangle\langle 3|5+6|3\rangle}{\langle 56\rangle\langle 2|1+4|3\rangle\Delta_{32|14|56}} + \\
& \frac{1/4[14]\langle 46\rangle^2\langle 2|5+6|2\rangle}{\langle 56\rangle\langle 2|1+4|3\rangle\Delta_{32|14|56}} + \\
& \frac{-1/4[14]\langle 46\rangle^2(s_{14}-s_{32})}{\langle 56\rangle\langle 2|1+4|3\rangle\Delta_{32|14|56}} + \\
& (123456 \rightarrow -\overline{432165})+ \\
& \frac{1/2[13]\langle 24\rangle\langle 6|1+4|5\rangle(s_{134}-s_{124})}{\langle 2|1+4|3\rangle^2\Delta_{32|14|56}} + \\
& \frac{-2\langle 24\rangle[35]\langle 6|2+4|3\rangle}{\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle^2} + \\
& \frac{1[14]\langle 46\rangle^2[56]\dots\langle\langle 6 \text{ terms}\rangle\rangle\dots+7/4[12]\langle 24\rangle[25]\langle 26\rangle}{\langle 2|1+4|3\rangle\Delta_{32|14|56}} + \\
& \frac{3/2[15]\langle 46\rangle(s_{134}-s_{124})}{\langle 2|1+4|3\rangle\Delta_{32|14|56}} + \\
& \frac{2[23]^2\langle 26\rangle^2+1[34]^2\langle 46\rangle^2-3[23]\langle 26\rangle[34]\langle 46\rangle+1[35]^2\langle 56\rangle^2}{[34]\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \\
& \frac{[35](1[35]\langle 46\rangle[46]\dots\langle\langle 5 \text{ terms}\rangle\rangle\dots+1\langle 25\rangle[25][35])}{[34][56]\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle}
\end{aligned}$$