

$$\begin{aligned}
& \frac{-105/128(s_{123}+s_{234})[56]\langle 6|1+4|5\rangle\langle 23\rangle[14]\langle 4|2+3|1\rangle[23]\langle 56\rangle\langle 3|1+4|2\rangle\langle 14\rangle(s_{123}-s_{234})}{\Delta_{14|23|56}^4} + \\
& \frac{[12]\langle 14\rangle\langle 23\rangle[23][45]\langle 56\rangle[56]\langle 4|2+3|1\rangle(-15/8\langle 13\rangle\langle 6|2+3|1\rangle-15/4\langle 14\rangle[14]\langle 36\rangle+15/2\langle 36\rangle\langle 4|2+3|4\rangle+15/8\langle 23\rangle[24]\langle 46\rangle)}{\Delta_{14|23|56}^3} + \\
& \frac{\langle 23\rangle[25]\langle 56\rangle[56](s_{14}-s_{56})(s_{123}-s_{234})(5/4[12][23]\langle 26\rangle\langle 34\rangle-25/16[12]\langle 46\rangle(s_{13}+s_{24}+s_{12})+5/2[13][24]\langle 34\rangle\langle 46\rangle-15/16[12]\langle 34\rangle[34]\langle 46\rangle-15/8[12]\langle 14\rangle\langle 6|2+3|1\rangle)}{\Delta_{14|23|56}^3} + \\
& \frac{\langle 23\rangle(-39/8\langle 12\rangle[12]^2\langle 14\rangle[14][25]\langle 46\rangle\ldots\langle\langle 26 \text{ terms}\rangle\rangle\ldots+49/8[12]^2\langle 14\rangle\langle 24\rangle[24][45]\langle 46\rangle)}{\Delta_{14|23|56}^2} + \\
& \frac{\langle 34\rangle(2[12][45]\langle 46\rangle+23/2[12][35]\langle 36\rangle-23/2[13][25]\langle 36\rangle)}{\Delta_{14|23|56}} + \\
& (123456 \rightarrow 156423)+ \\
& (123456 \rightarrow -\overline{432165})+ \\
& (123456 \rightarrow -\overline{465132})
\end{aligned}$$