

$$\begin{aligned}
& \frac{-1/8\langle 16\rangle[23]\langle 34\rangle^2\langle 46\rangle[56](s_{56}-s_{23})}{(14)^2\Delta_{14|56|23}^2} + \\
& \frac{-5/8[23]\langle 34\rangle^2\langle 56\rangle[56](1|5+6|1|6|1+4|5)(s_{56}-s_{23})}{(14)\Delta_{14|56|23}^3} + \\
& \frac{-7/2[25]\langle 34\rangle\langle 46\rangle}{(14)\Delta_{14|56|23}} + \\
& \frac{\langle 34\rangle\langle 46\rangle(s_{56}-s_{23})(1|45|\langle 4|1+3|2\rangle+1/2[25]\langle 56\rangle[56]+3/4[24]\langle 46\rangle[56]+3/4[15](1|3+4|2))}{(14)\Delta_{14|56|23}^2} + \\
& \frac{\langle 34\rangle\langle 46\rangle\langle 56\rangle[56](-3/8[45]\langle 4|1+3|2\rangle-3/4[24]\langle 46\rangle[56]+11/8[15](1|3+4|2))}{(14)\Delta_{14|56|23}^2} + \\
& \frac{\langle 16\rangle\langle 34\rangle\langle 46\rangle[56](5/4[24]\langle 4|2+3|1\rangle+5/4[12](1|5+6|1))}{(14)\Delta_{14|56|23}^2} + \\
& \frac{-3/8\langle 34\rangle\langle 36\rangle[56]\langle 4|2+3|1\rangle(6|1+5|4)}{(23)\Delta_{14|56|23}^2} + \\
& \frac{1/4\langle 34\rangle^2\langle 45\rangle\langle 6|2+3|1\rangle(s_{14}-s_{56})}{(23)\Delta_{14|56|23}^2} + \\
& \frac{-1/2[15]\langle 34\rangle\langle 36\rangle}{(23)\Delta_{14|56|23}} + \\
& \frac{15/16\langle 14\rangle[15]^2\langle 56\rangle\langle 3|1+4|2\rangle(s_{14}-s_{23})(s_{156}-s_{564})}{\Delta_{14|56|23}^3} + \\
& \frac{[15]\langle 56\rangle[56](s_{156}-s_{564})(5/8\langle 14\rangle[15][26]\langle 36\rangle\langle 56\rangle-15/4[12](14)[14]\langle 16\rangle\langle 34\rangle+25/8[12](14)^2[14]\langle 36\rangle-15/8[24]\langle 34\rangle\langle 46\rangle\langle 56\rangle[56])}{\Delta_{14|56|23}^3} + \\
& \frac{\langle 4|2+3|1\rangle\langle 56\rangle[56](15/16[25]\langle 36\rangle\langle 45\rangle^2\langle 45\rangle^2\dots\langle 22\text{ terms}\rangle\dots-25/16\langle 15\rangle[15]\langle 16\rangle[16][25]\langle 36\rangle)}{\Delta_{56|14|23}^3} + \\
& \frac{3/8[15]^2\langle 16\rangle[24]\langle 34\rangle\langle 45\rangle\dots\langle 20\text{ terms}\rangle\dots+5/8[16][25]\langle 36\rangle\langle 46\rangle\langle 56\rangle[56]}{\Delta_{56|14|23}^2} + \\
& (123456 \rightarrow -\overline{432165}) + \\
& \frac{-105/64\langle 23\rangle\langle 56\rangle[56]\langle 4|2+3|1\rangle\langle 6|1+4|5\rangle(s_{156}-s_{564})\langle 3|1+4|2\rangle[23](s_{15}+s_{16}+s_{54}+s_{64})}{\Delta_{14|56|23}^4}
\end{aligned}$$