

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