

$$\begin{aligned}
& \frac{-3\langle 23 \rangle \langle 56 \rangle [45]^2 (s_{14} - s_{23})}{\langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^3} + \\
& \frac{[45]^2 \langle 23 \rangle (s_{14} - s_{23}) (-3\langle 45 \rangle [45] - 3[46] \langle 46 \rangle)}{[56] \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^3} + \\
& \frac{-2\langle 14 \rangle (s_{23} - s_{14}) [24] [35] \langle 23 \rangle \langle 26 \rangle}{\langle 24 \rangle \langle 1|2+4|3 \rangle^2 \langle 2|1+3|4 \rangle^2} + \\
& \frac{3/4 \langle 3|1+2|4 \rangle [34] \langle 4|1+3|2 \rangle \langle 6|1+3|5 \rangle \langle 23 \rangle}{\Delta_{13|24|56} \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^2} + \\
& \frac{\langle 23 \rangle \langle 4|1+3|2 \rangle (s_{123} - s_{134}) [45] (1/2 [34] \langle 36 \rangle + 1/2 \langle 26 \rangle [24] - 1 \langle 56 \rangle [45])}{\Delta_{13|24|56} \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^2} + \\
& \frac{\langle 23 \rangle \langle 4|1+3|2 \rangle (s_{123} - s_{134}) [45] (-1/4 \langle 23 \rangle \langle 46 \rangle [34] \dots \langle \text{3 terms} \rangle) \dots + 1/2 [36] \langle 26 \rangle \langle 36 \rangle)}{\langle 24 \rangle \Delta_{13|24|56} \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^2} + \\
& \frac{\langle 23 \rangle [45] \langle 6|23 \rangle \langle 24 \rangle \langle 36 \rangle \dots \langle \text{6 terms} \rangle \dots + 2 \langle 25 \rangle \langle 46 \rangle [25]}{\langle 24 \rangle \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^2} + \\
& \frac{\langle 23 \rangle [45] \langle 2|23 \rangle [25] [35] \langle 45 \rangle + 3 \langle 34 \rangle [35] \langle 45 \rangle [45] + 3 \langle 34 \rangle [46] [35] \langle 46 \rangle + 2 [36] \langle 23 \rangle [25] \langle 46 \rangle)}{\langle 24 \rangle [56] \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^2} + \\
& \frac{[25] \langle 23 \rangle [45] (-2 \langle 25 \rangle [25] \dots \langle \text{4 terms} \rangle) \dots - 2 \langle 35 \rangle [35]}{[56] \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle^2} + \\
& \frac{-1/2 (s_{124} - s_{234}) [24] \langle 4|1+3|2 \rangle [35] \langle 16 \rangle \langle 23 \rangle}{\Delta_{13|24|56} \langle 1|2+4|3 \rangle^2 \langle 2|1+3|4 \rangle} + \\
& \frac{-2 \langle 14 \rangle [24] [35] \langle 23 \rangle \langle 46 \rangle}{\langle 24 \rangle \langle 1|2+4|3 \rangle^2 \langle 2|1+3|4 \rangle} + \\
& \frac{-3/16 (s_{124} - s_{234}) [24] (s_{15} + s_{16} + s_{35} + s_{36}) \langle 4|1+3|2 \rangle \langle 6|1+3|5 \rangle \langle 23 \rangle}{\Delta_{13|24|56}^2 \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle} + \\
& \frac{\langle 23 \rangle (17/4 [24] [25] [56] \langle 25 \rangle \langle 46 \rangle^2 \dots \langle \text{50 terms} \rangle) \dots - 1/4 [46] \langle 24 \rangle \langle 36 \rangle [23] [25] \langle 46 \rangle)}{\langle 24 \rangle \Delta_{13|24|56} \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle} + \\
& \frac{[25] \langle 23 \rangle \langle 2|24 \rangle [25] + 2 \langle 34 \rangle [35] + 19/2 [56] \langle 46 \rangle}{\langle 24 \rangle [56] \langle 1|2+4|3 \rangle \langle 2|1+3|4 \rangle}
\end{aligned}$$