

$$\begin{aligned}
& \frac{[13]\langle 26 \rangle [35](3/2\langle 12 \rangle \langle 4|2+3|1]-3/2\langle 24 \rangle (s_{24}-s_{13}))}{\langle 2|1+4|3 \rangle^4} + \\
& \frac{1/2[23]\langle 26 \rangle^2 s_{134}(s_{13}-s_{24})}{\langle 56 \rangle \langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^3} + \\
& \frac{-1/2[35]\langle 2|1+4|5 \rangle s_{124}(s_{13}-s_{24})}{[56]\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^3} + \\
& \frac{1/2[13]\langle 24 \rangle [25]\langle 26 \rangle \dots \langle \text{3 terms} \rangle \dots -1[13]\langle 26 \rangle \langle 46 \rangle [56]}{\langle 2|1+4|3 \rangle^3} + \\
& \frac{[35](s_{13}-s_{24})(-1/2\langle 26 \rangle \langle 56 \rangle [56] \dots \langle \text{3 terms} \rangle \dots +1\langle 24 \rangle [24]\langle 26 \rangle)}{\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^3} + \\
& \frac{\langle 26 \rangle \langle 2|5+6|2 \rangle (-7/4[23]\langle 36 \rangle -5/4[24]\langle 46 \rangle)}{\langle 56 \rangle \langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^2} + \\
& \frac{[35](-5/4\langle 34 \rangle [35]\langle 3|1+2|4 \rangle +1/2\langle 23 \rangle [25]\langle 3|5+6|3 \rangle)}{[56]\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^2} + \\
& \frac{3\langle 23 \rangle [24][35]\langle 46 \rangle \dots \langle \text{12 terms} \rangle \dots +1/2[12]\langle 13 \rangle \langle 26 \rangle [35]}{\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^2} + \\
& \frac{2[15]\langle 46 \rangle}{\langle 2|1+4|3 \rangle^2} + \\
& \frac{(s_{13}-s_{24})(3/4[35]\langle 36 \rangle +7/4[25]\langle 26 \rangle +5/4[45]\langle 46 \rangle)}{\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle^2} + \\
& \frac{7/4[13][25]\langle 36 \rangle}{[13]\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle} + \\
& \frac{1[15]\langle 34 \rangle \langle 6|2+5|1 \rangle}{[13]\langle 23 \rangle \langle 56 \rangle [56]\langle 2|1+4|3 \rangle} + \\
& \frac{1\langle 3|1+2|5 \rangle \langle 6|2+5|1 \rangle (s_{13}-s_{24})}{[13]\langle 23 \rangle \langle 56 \rangle [56]\langle 1|2+3|4 \rangle \langle 2|1+4|3 \rangle} + \\
& \frac{1[12]\langle 46 \rangle \langle 3|1+2|4 \rangle \langle 3|1+2|5 \rangle}{[13]\langle 23 \rangle \langle 56 \rangle [56]\langle 1|2+3|4 \rangle s_{123}}
\end{aligned}$$