

$$\begin{aligned}
& \frac{-3/4[23]\langle 46 \rangle [2]1+3[5]}{\langle 12 \rangle \langle 23 \rangle \langle 56 \rangle [56]s_{123}} + \\
& \frac{1/4[12][23][35]\langle 3|4+6|5]}{[56]\langle 3|1+2|3 \rangle^2 \langle 3|1+2|4 \rangle} + \\
& \frac{[45][23]\langle 1/2(34)[45]\langle 46 \rangle [46]+1/2(34)\langle 45 \rangle [45]^2+1(34)[45]\langle 56 \rangle [56]-1/2(36)\langle 56 \rangle [56]^2\rangle}{\langle 12 \rangle [56]\langle 3|1+2|3 \rangle \langle 3|1+2|4 \rangle^2} + \\
& \frac{\langle 13 \rangle \langle 3/4[12]\langle 13 \rangle^2[13]\langle 26 \rangle [35] \dots \langle 11 \text{ terms} \rangle \dots + 1/2(13)[13]\langle 34 \rangle [34][45]\langle 46 \rangle)}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle \langle 56 \rangle [56]\langle 3|1+2|3 \rangle \langle 3|1+2|4 \rangle} + \\
& \frac{1/2[24][45]\langle 46 \rangle [56][56]}{\langle 12 \rangle \langle 3|1+2|4 \rangle^2 \langle 4|5+6|4 \rangle} + \\
& \frac{[45]\langle 1/2[25]\langle 56 \rangle [56]-1/2[24]\langle 46 \rangle [56]+1/2[25]\langle 46 \rangle [46]+1/2[25]\langle 45 \rangle [45] \rangle}{\langle 12 \rangle [56]\langle 3|1+2|4 \rangle^2} + \\
& \frac{5/4(13)[35]\langle 36 \rangle s_{123}}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle \langle 3|5+6|3 \rangle \langle 3|1+2|4 \rangle} + \\
& \frac{\langle 36 \rangle [34]s_{123}\langle 3(14)\langle 36 \rangle +7/4(13)\langle 46 \rangle \rangle}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle \langle 56 \rangle \langle 3|5+6|3 \rangle \langle 3|1+2|4 \rangle} + \\
& \frac{7/4(13)\langle 34 \rangle [35][45]s_{123}}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle [56]\langle 3|5+6|3 \rangle \langle 3|1+2|4 \rangle} + \\
& \frac{-1/4(14)[45]^2\langle 56 \rangle \langle 4|2+3|1 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 3|1+2|4 \rangle \langle 4|5+6|4 \rangle^2} + \\
& \frac{\langle 13 \rangle \langle -1/4[12]\langle 14 \rangle^2[14]\langle 26 \rangle [45] \dots \langle 24 \text{ terms} \rangle \dots -3/4\langle 23 \rangle^2[23][24][35]\langle 46 \rangle \rangle}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle \langle 56 \rangle [56]\langle 3|1+2|4 \rangle \langle 4|5+6|4 \rangle} + \\
& \frac{3/4(13)^2[13][35]\langle 36 \rangle \dots \langle 19 \text{ terms} \rangle \dots +9/4(13)\langle 23 \rangle [23][35]\langle 36 \rangle}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle \langle 56 \rangle [56]\langle 3|1+2|4 \rangle} + \\
& \frac{21/4(34)[35]^2s_{123}}{\langle 12 \rangle \langle 23 \rangle [56]\langle 3|5+6|3 \rangle^2} + \\
& \frac{-1/4[23]\langle 24 \rangle [45]\langle 46 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 4|5+6|4 \rangle^2} + \\
& \frac{-5/4(13)[35]\langle 46 \rangle +2(14)[35]\langle 36 \rangle +3(12)[25]\langle 46 \rangle}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle \langle 56 \rangle [56]}
\end{aligned}$$