

$$\begin{aligned}
& \frac{\langle 13 \rangle \langle 46 \rangle (4/3 \langle 34 \rangle \langle 36 \rangle [23] + 7/6 \langle 13 \rangle [12] \langle 46 \rangle)}{\langle 12 \rangle \langle 14 \rangle \langle 56 \rangle s_{123} \langle 1|2+3|1 \rangle} + \\
& \frac{-4/3 [45] \langle 13 \rangle \langle 34 \rangle^2 [23] \langle 46 \rangle}{\langle 12 \rangle \langle 14 \rangle \langle 56 \rangle [56] s_{123} \langle 1|2+3|1 \rangle} + \\
& \frac{1/6 \langle 34 \rangle^2 \langle 12 \rangle [24] \langle 46 \rangle^2}{\langle 12 \rangle \langle 14 \rangle \langle 24 \rangle \langle 56 \rangle s_{123} \langle 4|2+3|4 \rangle} + \\
& \frac{[12] \langle 1|2+3|5 \rangle (1/6 \langle 14 \rangle [14]^2 \langle 13 \rangle \langle 46 \rangle \dots \langle \text{6 terms} \rangle \dots + 4/3 [14] \langle 34 \rangle \langle 46 \rangle \langle 12 \rangle [24])}{\langle 12 \rangle [13] \langle 14 \rangle [14] \langle 56 \rangle [56] \langle 1|2+3|1 \rangle \langle 1|2+3|4 \rangle} + \\
& \frac{[12] (1/6 \langle 14 \rangle \langle 26 \rangle [45] \langle 13 \rangle^2 [12] [13] \dots \langle \text{9 terms} \rangle \dots + 4/3 \langle 13 \rangle^2 [12] [35] [34] \langle 36 \rangle \langle 24 \rangle)}{\langle 12 \rangle [13] \langle 14 \rangle [14] \langle 56 \rangle [56] \langle 1|2+3|1 \rangle \langle 1|2+3|4 \rangle} + \\
& \frac{-4/3 [14] \langle 13 \rangle^2 [12] [35] \langle 46 \rangle \dots \langle \text{8 terms} \rangle \dots + 8/3 \langle 14 \rangle [14] \langle 13 \rangle [12] [35] \langle 36 \rangle}{\langle 14 \rangle [14] \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 1|2+3|4 \rangle} +
\end{aligned}$$

$$(123456 \rightarrow \overline{432165})$$