

$$\begin{aligned}
& \frac{-2/5 \langle 12 \rangle \langle 23 \rangle^2 [24]^2 \langle 34 \rangle [35] \langle 46 \rangle \dots \langle 108 \text{ terms} \rangle \dots + 5/3 \langle 13 \rangle \langle 23 \rangle [23] \langle 24 \rangle \langle 34 \rangle [34] \langle 36 \rangle [45]}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle^2 \langle 56 \rangle [56] \langle 3 | 5+6 | 3 \rangle \langle 3 | 1+2 | 4 \rangle} + \\
& \frac{2/3 [13] \langle 46 \rangle \langle 3 | 1+2 | 5 \rangle}{\langle 23 \rangle^2 \langle 56 \rangle [56] s_{123}} + \\
& \frac{-6 \langle 34 \rangle [35]^2 \langle 3 | 1+2 | 3 \rangle s_{456}}{\langle 12 \rangle \langle 23 \rangle [56] \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{-3/5 \langle 34 \rangle [35]^2 \langle 3 | 1+2 | 3 \rangle s_{56}}{\langle 12 \rangle \langle 23 \rangle [56] \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{\langle 34 \rangle [35] (1/10 \langle 13 \rangle^2 \langle 14 \rangle [14]^2 \langle 24 \rangle [34] \langle 36 \rangle \dots \langle 28 \text{ terms} \rangle \dots - 2 \langle 12 \rangle \langle 13 \rangle^2 [13] [14] \langle 34 \rangle [34] \langle 36 \rangle)}{\langle 12 \rangle \langle 13 \rangle \langle 23 \rangle^2 \langle 56 \rangle [56] \langle 3 | 5+6 | 3 \rangle^2 \langle 3 | 1+2 | 4 \rangle} + \\
& \frac{[45] \langle 3 | 1+2 | 3 \rangle (-1/3 \langle 23 \rangle [23] \langle 34 \rangle [45] \dots \langle 7 \text{ terms} \rangle \dots - 1/3 \langle 12 \rangle [12] \langle 13 \rangle [15])}{\langle 12 \rangle \langle 23 \rangle [56] \langle 3 | 5+6 | 3 \rangle \langle 3 | 1+2 | 4 \rangle^2} + \\
& \frac{-2 \langle 16 \rangle [23] \langle 34 \rangle [35] s_{456}}{\langle 13 \rangle \langle 23 \rangle \langle 56 \rangle [56] \langle 1 | 2+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{1/3 \langle 13 \rangle [14] \langle 3 | 1+2 | 5 \rangle \langle 6 | 1+5 | 3 \rangle}{\langle 23 \rangle^2 \langle 56 \rangle [56] \langle 1 | 2+3 | 4 \rangle \langle 3 | 1+2 | 4 \rangle} + \\
& \frac{\langle 3 | 1+2 | 5 \rangle (-2/3 [23] [24] \langle 26 \rangle \dots \langle 3 \text{ terms} \rangle \dots + 1 [12] \langle 16 \rangle [34])}{\langle 23 \rangle \langle 56 \rangle [56] \langle 1 | 2+3 | 4 \rangle \langle 3 | 1+2 | 4 \rangle} + \\
& \frac{-1/3 [13] [15] \langle 34 \rangle \langle 46 \rangle}{\langle 23 \rangle^2 \langle 56 \rangle [56] \langle 4 | 2+3 | 1 \rangle}
\end{aligned}$$