

$$\begin{aligned}
& \frac{\langle 24 \rangle \langle 26 \rangle [35] [13] (-6 \langle 24 \rangle [14] \langle 24 \rangle [14] \dots \langle 6 \text{ terms} \rangle \dots - 6 \langle 23 \rangle [23] [13] \langle 13 \rangle)}{\langle 2 | 1 + 4 | 3 \rangle^4} + \\
& \frac{\langle 26 \rangle \langle 24 \rangle (-6 [34]^2 [13] \langle 14 \rangle^2 \langle 36 \rangle [12] \dots \langle 25 \text{ terms} \rangle \dots - 6 [34]^2 \langle 13 \rangle [23] \langle 24 \rangle \langle 46 \rangle [12])}{\langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle^3} + \\
& \frac{3 [13]^3 \langle 13 \rangle \langle 14 \rangle \langle 12 \rangle [45] \langle 16 \rangle \dots \langle 15 \text{ terms} \rangle \dots - 37/2 [34]^2 [13] \langle 13 \rangle^2 \langle 24 \rangle [35] \langle 46 \rangle}{\langle 12 \rangle [34] \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{\langle 16 \rangle (-12 \langle 46 \rangle [13]^3 \langle 13 \rangle^2 \dots \langle 10 \text{ terms} \rangle \dots + 49/4 \langle 34 \rangle^2 \langle 46 \rangle [34]^2 [13])}{\langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{[23] \langle 46 \rangle \langle 26 \rangle \langle 36 \rangle [34] [13] \langle 13 \rangle \dots \langle 3 \text{ terms} \rangle \dots + 12 \langle 34 \rangle^2 [34]^2}{\langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{[15] [14] s_{56} \langle 26 \rangle \langle 24 \rangle (-1/4 \langle 23 \rangle [23] - 1/4 \langle 24 \rangle \langle 24 \rangle + 1/4 [12] \langle 12 \rangle)}{\langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle^2 \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 26 \rangle \langle 24 \rangle [14] [15] (1/4 [13]^2 \langle 13 \rangle^2 \dots \langle 4 \text{ terms} \rangle \dots + 1/2 \langle 14 \rangle [13] \langle 13 \rangle [14])}{\langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle^2 \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{151/12 \langle 23 \rangle \langle 56 \rangle [35]^2 \langle 25 \rangle [25] \dots \langle 53 \text{ terms} \rangle \dots - 259/12 [34] \langle 23 \rangle [24] \langle 24 \rangle [35] \langle 46 \rangle}{\langle 12 \rangle [34] \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{-69/4 [24] \langle 46 \rangle^2 \langle 24 \rangle [14] \dots \langle 14 \text{ terms} \rangle \dots + 58/3 [13] [26] \langle 26 \rangle \langle 36 \rangle \langle 46 \rangle}{\langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{154/3 [13] \langle 14 \rangle \langle 12 \rangle [24] [35] \langle 36 \rangle \dots \langle 34 \text{ terms} \rangle \dots - 65/4 [13] \langle 13 \rangle \langle 12 \rangle [24] [35] \langle 46 \rangle}{\langle 12 \rangle [34] \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{\langle 16 \rangle (-59/6 [13] \langle 36 \rangle \langle 14 \rangle [12] \dots \langle 4 \text{ terms} \rangle \dots + 203/12 \langle 34 \rangle \langle 46 \rangle [34] [12])}{\langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{\langle 46 \rangle [24] \langle 26 \rangle (-6 \langle 14 \rangle [12] - 24 [23] \langle 34 \rangle)}{\langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{\langle 34 \rangle [35] (-3/2 [24] \langle 34 \rangle [35] + 3/2 [23] [45] \langle 34 \rangle + 3/2 [25] [12] \langle 12 \rangle)}{[56] \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{\langle 34 \rangle \langle 26 \rangle [14] (1/2 \langle 23 \rangle [35] [12] \dots \langle 3 \text{ terms} \rangle \dots + 3/4 \langle 14 \rangle [14] [15])}{\langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& (123456 \rightarrow \overline{432165})
\end{aligned}$$