

$$\begin{aligned}
& \frac{684/25\langle 24 \rangle^2 [24] \langle 26 \rangle [35]}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^3} + \\
& \frac{-84/25\langle 24 \rangle \langle 26 \rangle \langle 34 \rangle [34] [35]}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^3} + \\
& \frac{\langle 6 | 1+4 | 3 \rangle \langle 26 \rangle (-1364/75 [13] [13] \dots \langle 3 \text{ terms} \rangle \dots -28/75 [12] [12])}{\langle 12 \rangle [34] \langle 56 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{\langle 26 \rangle (128/25 [13] \langle 14 \rangle \langle 36 \rangle \dots \langle 4 \text{ terms} \rangle \dots -612/25 [23] \langle 24 \rangle \langle 36 \rangle)}{\langle 12 \rangle \langle 56 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{\langle 24 \rangle \langle 26 \rangle [35] (-64/25 \langle 13 \rangle [13] \langle 14 \rangle [14] -118/75 \langle 13 \rangle^2 [13]^2 +14/25 \langle 23 \rangle [23] \langle 24 \rangle [24])}{\langle 12 \rangle^2 [13] \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 2 | 1+4 | 3 \rangle} + \\
& \frac{\langle 16 \rangle (2 [23] \langle 24 \rangle [24] \langle 26 \rangle +2 \langle 13 \rangle [13]^2 \langle 16 \rangle)}{\langle 12 \rangle [34] \langle 56 \rangle \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle} + \\
& \frac{-1298/75 [13] \langle 23 \rangle^2 [23] [35] \langle 46 \rangle \dots \langle 10 \text{ terms} \rangle \dots -2356/75 [12] \langle 14 \rangle [14] \langle 24 \rangle \langle 26 \rangle [35]}{\langle 12 \rangle [13] \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 2 | 1+4 | 3 \rangle} + \\
& \frac{\langle 16 \rangle (2 [12] \langle 14 \rangle \langle 26 \rangle \dots \langle 3 \text{ terms} \rangle \dots +2 \langle 34 \rangle [34] \langle 46 \rangle)}{\langle 12 \rangle \langle 56 \rangle \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle} + \\
& \frac{-56/25 \langle 24 \rangle [24]^2 [35]^2}{[34]^2 [56] \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle} + \\
& \frac{[45] \langle 26 \rangle (2 \langle 13 \rangle [13]^2 \langle 14 \rangle +208/75 \langle 13 \rangle [13] [23] \langle 24 \rangle +14/25 \langle 23 \rangle [23]^2 \langle 24 \rangle)}{\langle 12 \rangle^2 [13] \langle 24 \rangle [34]^2 \langle 56 \rangle [56]} + \\
& \frac{\langle 16 \rangle (-2 \langle 13 \rangle [23] \langle 26 \rangle +2 \langle 14 \rangle [24] \langle 26 \rangle +2 \langle 13 \rangle [13] \langle 16 \rangle)}{\langle 12 \rangle^2 [34] \langle 56 \rangle \langle 1 | 2+4 | 3 \rangle} + \\
& \frac{-52/25 \langle 14 \rangle [14] \langle 24 \rangle [25] \langle 26 \rangle \dots \langle 13 \text{ terms} \rangle \dots +2/25 \langle 23 \rangle \langle 34 \rangle [34] [35] \langle 46 \rangle}{\langle 12 \rangle^2 [13] \langle 24 \rangle [34] \langle 56 \rangle [56]} + \\
& \frac{\langle 16 \rangle (2 \langle 14 \rangle \langle 36 \rangle +2 \langle 13 \rangle \langle 46 \rangle)}{\langle 12 \rangle^2 \langle 56 \rangle \langle 1 | 2+4 | 3 \rangle} + \\
& \frac{-2 [24] \langle 26 \rangle \langle 6 | 2+5 | 1 \rangle}{\langle 12 \rangle [34]^2 \langle 56 \rangle \langle 2 | 3+4 | 1 \rangle} + \\
& \frac{-168/25 \langle 6 | 2+5 | 1 \rangle^2}{\langle 12 \rangle [13] [34] \langle 56 \rangle \langle 2 | 3+4 | 1 \rangle} + \\
& \frac{-2 [12] [13] \langle 26 \rangle \langle 36 \rangle}{\langle 12 \rangle [13] [34] \langle 56 \rangle \langle 2 | 3+4 | 1 \rangle} + \\
& \frac{2 [14] [15] \langle 4 | 1+2 | 5 \rangle}{\langle 12 \rangle [13] [34] [56] \langle 2 | 3+4 | 1 \rangle} + \\
& \frac{-649/75 [12] \langle 23 \rangle [35] \langle 46 \rangle \dots \langle 6 \text{ terms} \rangle \dots +459/25 [13] \langle 14 \rangle [15] \langle 36 \rangle}{\langle 12 \rangle [13] \langle 24 \rangle [34] \langle 56 \rangle [56]} + \\
& \frac{168/25 [15] \langle 34 \rangle \langle 6 | 2+5 | 1 \rangle}{\langle 12 \rangle [13] \langle 56 \rangle [56] \langle 2 | 3+4 | 1 \rangle} +
\end{aligned}$$

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