

$$\begin{aligned}
& \frac{-21\langle 26 \rangle \langle 24 \rangle [35] \langle 3 \rangle [1+4|3]}{\langle 12 \rangle \langle 2 \rangle [1+4|3]^3} + \\
& \frac{\langle 24 \rangle [45] \langle 13 \rangle [25] [12] \langle -1/2 \rangle 24^3 [34]^3 - 1/2 \langle 12 \rangle^3 [13]^3}{\langle 12 \rangle^2 [13] [34] [56] \langle 2 \rangle [1+3|2] \langle 2 \rangle [5+6|2] \langle 2 \rangle [1+4|3]^2} + \\
& \frac{9/4 [35] \langle 24 \rangle^2 s_{134} [25] [34] \langle 23 \rangle}{\langle 12 \rangle^2 [13] [56] \langle 2 \rangle [5+6|2] \langle 2 \rangle [1+4|3]^2} + \\
& \frac{\langle 26 \rangle \langle -161/6 \rangle 34 [34]^2 \langle 46 \rangle \dots \langle 8 \text{ terms} \rangle \dots - 217/6 \langle 26 \rangle [23] [13] \langle 13 \rangle}{\langle 12 \rangle [34] \langle 56 \rangle \langle 2 \rangle [1+4|3]^2} + \\
& \frac{3/2 \langle 2 \rangle [3+4|1] \langle 23 \rangle \langle 4 \rangle [1+3|2] [25]^2}{[56] \langle 2 \rangle [1+3|2] \langle 2 \rangle [5+6|2]^2 \langle 2 \rangle [1+4|3]} + \\
& \frac{[25] \langle 15/4 \rangle 34 [15] \langle 12 \rangle^2 [13]^2 \dots \langle 11 \text{ terms} \rangle \dots + 3/2 \langle 24 \rangle^2 [35] \langle 14 \rangle [14]^2}{\langle 12 \rangle [13] \langle 24 \rangle [34] [56] \langle 2 \rangle [5+6|2] \langle 2 \rangle [1+4|3]} + \\
& \frac{-83/12 [35] \langle 24 \rangle \langle 13 \rangle \langle 46 \rangle [12] [34] \langle 12 \rangle \dots \langle 73 \text{ terms} \rangle \dots - 14/3 [35] \langle 34 \rangle \langle 46 \rangle [23] [34] \langle 12 \rangle \langle 23 \rangle}{\langle 12 \rangle \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+4|3]} + \\
& \frac{-3/2 [35] \langle 24 \rangle [25] \langle 13 \rangle \langle 23 \rangle}{\langle 12 \rangle^2 [56] \langle 2 \rangle [1+3|2] \langle 2 \rangle [1+4|3]} + \\
& \frac{\langle 13 \rangle [25] [12] \langle 3/4 \rangle 45 \langle 24 \rangle \langle 23 \rangle [34] + 7/4 \langle 12 \rangle \langle 23 \rangle [35] [14] - 7/4 [15] \langle 12 \rangle^2 [14]}{\langle 12 \rangle [34] [56] \langle 2 \rangle [1+3|2] \langle 2 \rangle [5+6|2] \langle 2 \rangle [1+3|4]} + \\
& \frac{[25] \langle -1 \rangle 34 [14] [45] \langle 12 \rangle [13] \dots \langle 5 \text{ terms} \rangle \dots + 33/4 \langle 24 \rangle [14] [12] [45] \langle 12 \rangle}{\langle 12 \rangle [13] [34] [56] \langle 2 \rangle [5+6|2] \langle 2 \rangle [1+3|4]} + \\
& \frac{[25] [12] \langle 1/2 \rangle 45 \langle 24 \rangle^2 [34] \langle 13 \rangle \dots \langle 5 \text{ terms} \rangle \dots - 7/4 [15] \langle 12 \rangle^2 [13] \langle 13 \rangle}{\langle 12 \rangle^2 [13] [34] [56] \langle 2 \rangle [1+3|2] \langle 2 \rangle [5+6|2]} + \\
& \frac{[35] [25] \langle 9 \rangle 24 \langle 13 \rangle [14] + 9 \langle 23 \rangle [13] \langle 13 \rangle + 9/4 \langle 34 \rangle \langle 23 \rangle [34]}{\langle 12 \rangle^2 [13] [34] [56] \langle 2 \rangle [5+6|2]} + \\
& \frac{[25] \langle 15/4 \rangle 34 [15] \langle 12 \rangle [13] \dots \langle 5 \text{ terms} \rangle \dots - 27/4 [15] \langle 24 \rangle [13] \langle 13 \rangle}{\langle 12 \rangle [13] \langle 24 \rangle [34] [56] \langle 2 \rangle [5+6|2]} + \\
& \frac{-9/2 \langle 16 \rangle \langle 24 \rangle [24] [23] \langle 14 \rangle \langle 36 \rangle}{\langle 12 \rangle \langle 56 \rangle \langle 1 \rangle [2+4|3]^2 \langle 3 \rangle [2+4|3]} + \\
& \frac{[23] \langle 16 \rangle \langle -28/3 \rangle 26 [23] \langle 13 \rangle - 157/12 \langle 12 \rangle [24] \langle 46 \rangle - 7/4 \langle 26 \rangle [24] \langle 14 \rangle}{\langle 12 \rangle [34] \langle 56 \rangle \langle 1 \rangle [2+4|3]^2} + \\
& \frac{-1/12 (s_{14} - s_{23}) \langle 3 \rangle [1+2|4] (s_{123} - s_{134}) \langle 6 \rangle [1+3|5]}{\Delta_{13|24|56} \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4]^2} + \\
& \frac{1/4 (s_{14} - s_{23}) [24] (s_{123} - s_{134}) \langle 23 \rangle \langle 6 \rangle [1+3|5]}{\Delta_{13|24|56} \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4]^2} + \\
& \frac{-19/3 [35] \langle 24 \rangle [24] \langle 46 \rangle [12] [34] \langle 23 \rangle \dots \langle 23 \text{ terms} \rangle \dots - 25/6 \langle 24 \rangle [23] [12] [45] \langle 12 \rangle \langle 36 \rangle [13]}{[13] \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4]} + \\
& \frac{-1/12 [35] (s_{14} - s_{23}) \langle 13 \rangle [12]^2 \langle 26 \rangle}{[13] \Delta_{13|24|56} \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4]} + \\
& \frac{[12] \langle 16 \rangle [14] (s_{24} - s_{56}) \langle 1 \rangle [12] \langle 34 \rangle [35] - 1/12 [15] \langle 14 \rangle}{[13] \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4] \Delta_{13|24|56}} + \\
& \frac{[12] (s_{24} - s_{56}) \langle -1/6 \rangle 16 [15] \langle 12 \rangle [12] - 1/2 [14] [35] \langle 46 \rangle \langle 13 \rangle}{[13] \Delta_{13|24|56} \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4]} + \\
& \frac{(s_{13} - s_{24}) \langle 13 \rangle [12] [23] \langle 36 \rangle^2 [46] \langle 46 \rangle \dots \langle 12 \text{ terms} \rangle \dots + 7/6 [24] [26] \langle 46 \rangle \langle 26 \rangle \langle 36 \rangle}{\langle 56 \rangle \langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4] \Delta_{13|24|56}} + \\
& \frac{-1/2 [26] [25]^2 \langle 26 \rangle \langle 23 \rangle \langle 56 \rangle \dots \langle 36 \text{ terms} \rangle \dots - 1/2 [35] \langle 34 \rangle \langle 24 \rangle [24]^2 \langle 36 \rangle}{\langle 1 \rangle [2+4|3] \langle 2 \rangle [1+3|4] \Delta_{13|24|56}} + \\
& \frac{[35] \langle 13 \rangle \langle -7/6 \rangle 26 [13]^2 \langle 14 \rangle \langle 13 \rangle + 7/6 \langle 24 \rangle \langle 13 \rangle \langle 46 \rangle [34] [13] - 7/6 \langle 24 \rangle \langle 13 \rangle [23] \langle 26 \rangle [13] - 7/3 \langle 24 \rangle \langle 46 \rangle [12] [34] \langle 12 \rangle}{\langle 12 \rangle^2 [13] \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 1 \rangle [2+4|3]} + \\
& \frac{-1/3 [35] [14] [12] \langle 14 \rangle^2 \langle 26 \rangle \dots \langle 4 \text{ terms} \rangle \dots - 7/6 \langle 24 \rangle^2 [24] \langle 46 \rangle [23] [45]}{\langle 12 \rangle [13] \langle 24 \rangle [34] \langle 56 \rangle [56] \langle 1 \rangle [2+4|3]} + \\
& \frac{1/12 [13] [35] [12]^2 \langle 46 \rangle}{[13] \Delta_{13|24|56} \langle 1 \rangle [2+4|3]} + \\
& \frac{1/12 \langle 26 \rangle [15] [12]^2 \langle 13 \rangle}{[13] \Delta_{13|24|56} \langle 2 \rangle [1+3|4]} + \\
& \frac{1/6 (s_{24} - s_{56}) [15] \langle 36 \rangle [12]}{[13] \Delta_{13|24|56} \langle 2 \rangle [1+3|4]} + \\
& \frac{[35] \langle 23 \rangle [25] \langle 37/4 \rangle 24 \langle 13 \rangle + 1 \langle 34 \rangle \langle 12 \rangle}{\langle 12 \rangle^2 \langle 24 \rangle [34] [56] \langle 2 \rangle [1+3|2]} + \\
& \frac{-27/4 \langle 23 \rangle [35] [12] [25]}{\langle 12 \rangle [13] [34] [56] \langle 2 \rangle [1+3|2]} + \\
& (123456 \rightarrow \overline{432165})
\end{aligned}$$