

$$\begin{aligned}
& \frac{1/4\langle 16 \rangle (s_{124} - s_{234}) \langle 6 \rangle [1+5][3][23][24]}{[34]^2 \langle 56 \rangle \langle 1 \rangle [2+4][3]^2} + \\
& \frac{3/4(s_{14} - s_{23}) \langle 16 \rangle [13] \langle 26 \rangle [24]^2}{[34]^2 \langle 56 \rangle \langle 1 \rangle [2+4][3] \langle 2 \rangle [1+3][4]} + \\
& \frac{-3/4 \langle 23 \rangle [35]^2 (s_{14} - s_{23}) [24]^2}{[34]^2 [56] \langle 1 \rangle [2+4][3] \langle 2 \rangle [1+3][4]} + \\
& \frac{[24] \langle 16 \rangle (-1/2[13] \langle 24 \rangle [24] \langle 36 \rangle + 1/2 \langle 23 \rangle [23] \langle 26 \rangle [12] + 1/2 \langle 14 \rangle \langle 46 \rangle [14]^2 + 1/2 \langle 36 \rangle \langle 24 \rangle [34] [12])}{[34] \langle 56 \rangle \langle 1 \rangle [2+4][3] \langle 2 \rangle [1+3][4]} + \\
& \frac{1/8 \langle 14 \rangle (s_{124} - s_{234}) \langle 6 \rangle [1+3][5] [24] \langle 3 \rangle [2+4][1]}{\Delta_{13|24|56} \langle 1 \rangle [2+4][3] \langle 2 \rangle [1+3][4]} + \\
& \frac{[24] \langle 16 \rangle (-1/4[13] \langle 46 \rangle [24] + 1/4 \langle 23 \rangle \langle 26 \rangle [12])}{[34]^2 \langle 56 \rangle \langle 1 \rangle [2+4][3]} + \\
& \frac{[35] [24] \langle 1 \rangle [4] [25] \langle 14 \rangle [14] - 1/4 \langle 14 \rangle [45] [12] - 3/4 \langle 23 \rangle \langle 34 \rangle [45] - 1/4 \langle 23 \rangle [23] [25]}{[34]^2 [56] \langle 1 \rangle [2+4][3]} + \\
& \frac{-3/4 \langle 46 \rangle [24] \langle 16 \rangle [12]}{[34] \langle 56 \rangle \langle 1 \rangle [2+4][3]} + \\
& \frac{-1[35] \langle 34 \rangle [24] [25]}{[34] [56] \langle 1 \rangle [2+4][3]} + \\
& \frac{[13] [45]^2 \langle 23 \rangle [14] (s_{123} - s_{134}) (-1/4 \langle 34 \rangle [34] + 1/4 [12] \langle 12 \rangle)}{[34]^2 [56] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{-2 \langle 23 \rangle [45] [15] \Delta_{13|24|56} [14]}{[34] [56] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{[45] [14] (s_{123} - s_{134}) (-1/4 \langle 23 \rangle [35] [24] + 1/2 \langle 14 \rangle [45] [14])}{[34]^2 [56] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{-2 \Delta_{13|24|56} [45]^2 [14]}{[34]^2 [56] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{-1 \langle 4 \rangle [1+3][4] \langle 34 \rangle [45]^2 [14]}{[34] [56] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{-1 \langle 24 \rangle [45]^2 [12] \langle 13 \rangle [14]}{[34] [56] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{[45] [14] (s_{123} - s_{134}) \langle 3 \rangle [4] \langle 23 \rangle [25] - 1/2 \langle 34 \rangle [45]}{[34] [56] \langle 2 \rangle [1+3][4]^2} + \\
& \frac{-2[15]^2 \langle 23 \rangle \Delta_{13|24|56} [14]}{[34] [56] \langle 2 \rangle [3+4][1]^2 \langle 2 \rangle [1+3][4]} + \\
& \frac{[45] [24] [15] (-1/4[13]^2 \langle 23 \rangle \langle 13 \rangle - 1/2 \langle 24 \rangle^2 [24] [14])}{[34]^2 [56] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{[13] [45] \langle 23 \rangle (-1/4 \langle 23 \rangle [23] [45] [12] - 1/4 [13] \langle 13 \rangle [25] [14])}{[34]^2 [56] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{7/2[15] \langle 14 \rangle \langle 16 \rangle [14]^3 \dots \langle \text{5 terms} \rangle \dots + 7/2[35] \langle 23 \rangle \langle 46 \rangle [24] [14]^2}{[34]^2 \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{-3/4 \langle 46 \rangle \langle 4 \rangle [1+3][5] [14]^3}{[13] [34] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{\langle 46 \rangle \langle 36 \rangle [14]^2 (1/2[12] \langle 12 \rangle + 1/4 \langle 24 \rangle [24] + 1/4 [13] \langle 13 \rangle + 1/2 \langle 23 \rangle [23])}{[34] \langle 56 \rangle \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{[45] [15] \langle 5 \rangle [4] [13] \langle 23 \rangle \langle 13 \rangle [12] - 1/4 \langle 34 \rangle \langle 24 \rangle [24] [14] - 3/4 [13] \langle 34 \rangle \langle 13 \rangle [14] - 1/4 \langle 23 \rangle \langle 24 \rangle [24] [12]}{[34] [56] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{-1/4 [13] \langle 34 \rangle^2 [45]^2 [14]}{[34] [56] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{-7/4[15] \langle 46 \rangle \langle 13 \rangle [14]^2 \dots \langle \text{8 terms} \rangle \dots - 3/4 [13] \langle 36 \rangle \langle 34 \rangle [45] [14]}{[34] \langle 2 \rangle [3+4][1] \langle 2 \rangle [1+3][4]} + \\
& \frac{[24] \langle 26 \rangle \langle 9 \rangle [4] [13] [24] \langle 36 \rangle + 1 \langle 46 \rangle [24] [14] - 5/4 [14] \langle 16 \rangle [12]}{[34]^2 \langle 56 \rangle \langle 2 \rangle [1+3][4]} + \\
& \frac{-3[25] \langle 16 \rangle [14]^2 \dots \langle \text{3 terms} \rangle \dots + 1/2 [45] \langle 26 \rangle [24] [12]}{[34]^2 \langle 2 \rangle [1+3][4]} + \\
& \frac{1/4 [14] \langle 6 \rangle [1+3][5] [12]}{[13] [34] \langle 2 \rangle [1+3][4]} + \\
& \frac{5/4 [15] \langle 23 \rangle [24] [25]}{[34] [56] \langle 2 \rangle [1+3][4]} + \\
& \frac{\langle 36 \rangle (-9/2[25] [14] + 3[45] [12])}{[34] \langle 2 \rangle [1+3][4]} + \\
& \frac{1/4 \langle 34 \rangle \langle 6 \rangle [1+3][5] [24] \langle 3 \rangle [2+4][1]}{\Delta_{13|24|56} \langle 2 \rangle [1+3][4]} + \\
& \frac{\langle 36 \rangle [12] \langle 26 \rangle (1/2[13] [24] + 3/4 [34] [12])}{[34]^2 \langle 56 \rangle \langle 2 \rangle [3+4][1]} + \\
& \frac{\langle 36 \rangle [14] \langle 46 \rangle (1/2[13] [24] + 5/4 [34] [12])}{[34]^2 \langle 56 \rangle \langle 2 \rangle [3+4][1]} + \\
& \frac{[15] \langle 3 \rangle [4] [13] \langle 23 \rangle [24] [25] \dots \langle \text{5 terms} \rangle \dots + 5/4 [35] \langle 34 \rangle [24] [14]}{[34]^2 [56] \langle 2 \rangle [3+4][1]} + \\
& \frac{1/2 [25] [13] \langle 34 \rangle [45] [14]}{[34]^2 [56] \langle 2 \rangle [3+4][1]} + \\
& \frac{5/2 [14] \langle 46 \rangle [45] [12] - 3/2 \langle 26 \rangle [45] [12]^2 + 3/2 [14] \langle 26 \rangle [25] [12] - 9/4 [25] \langle 46 \rangle [14]^2}{[34]^2 \langle 2 \rangle [3+4][1]} + \\
& \frac{[15] [12] (-1/4 \langle 26 \rangle [12] - 1 \langle 46 \rangle [14])}{[13] [34] \langle 2 \rangle [3+4][1]} + \\
& \frac{[15] \langle 3 \rangle [4] \langle 34 \rangle [45] [12] - 7/4 [25] \langle 34 \rangle [14] - 1/2 \langle 23 \rangle [25] [12]}{[34] [56] \langle 2 \rangle [3+4][1]}
\end{aligned}$$