

$$\begin{aligned}
& \frac{6\langle 12 \rangle [12]^2 [25] \langle 26 \rangle s_{234}}{[34] \langle 2 \rangle [5+6] 2^3 \langle 2 \rangle [1+4] 3} + \\
& \frac{[12] \langle 26 \rangle (4[45] \langle 23 \rangle \langle 24 \rangle [23]^2 \dots \langle 9 \text{ terms} \rangle \dots - 5[25] \langle 12 \rangle [14] \langle 14 \rangle [13])}{[34] \langle 2 \rangle [5+6] 2^2 \langle 2 \rangle [1+4] 3^2} + \\
& \frac{-4[12] \langle 23 \rangle [23] \langle 26 \rangle [45] \langle 3 \rangle [2+4] 3}{[34] \langle 2 \rangle [5+6] 2^2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{1[12] \langle 26 \rangle \langle 6 \rangle [1+5] 2^2 s_{234}}{[34] \langle 56 \rangle \langle 2 \rangle [5+6] 2^2 \langle 2 \rangle [1+4] 3} + \\
& \frac{[12] \langle 26 \rangle (-5[25] \langle 14 \rangle [14] \dots \langle 4 \text{ terms} \rangle \dots + 6 \langle 34 \rangle [24] [35])}{[34] \langle 2 \rangle [5+6] 2^2 \langle 2 \rangle [1+4] 3} + \\
& \frac{4[12] \langle 24 \rangle^2 [25] [34] [45] \langle 3 \rangle [2+4] 1}{[13] [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{[12] \langle 26 \rangle (-4[23] [34] \langle 36 \rangle \langle 34 \rangle [13] \dots \langle 8 \text{ terms} \rangle \dots + 7[24] [14] \langle 46 \rangle \langle 14 \rangle [13])}{[13] [34] \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{7 \langle 14 \rangle [12] [15] \langle 24 \rangle [24] [45]}{[34] [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{\langle 23 \rangle [25] (-15[13] [45] \langle 14 \rangle [12] \dots \langle 10 \text{ terms} \rangle \dots + 7[13] \langle 13 \rangle [12] [35])}{[34] [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{[12]^2 \langle 26 \rangle (-2 \langle 36 \rangle \langle 12 \rangle [12] \dots \langle 6 \text{ terms} \rangle \dots + 4[14] \langle 13 \rangle \langle 46 \rangle)}{[13] [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+3] 4} + \\
& \frac{-4[12] \langle 23 \rangle [25] [45] \langle 3 \rangle [2+4] 3}{[34] [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+3] 4} + \\
& \frac{-12 \langle 12 \rangle [12] \langle 26 \rangle [35] \langle 4 \rangle [2+3] 1}{\langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3^3} + \\
& \frac{\langle 26 \rangle (-8[13]^2 \langle 23 \rangle [23]^2 \langle 36 \rangle \dots \langle 12 \text{ terms} \rangle \dots + 7 \langle 13 \rangle [13]^3 [24] \langle 46 \rangle)}{[13] [34] \langle 56 \rangle \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3^2} + \\
& \frac{[35] \langle 4 \rangle [45] [24] \langle 24 \rangle \langle 34 \rangle [13] \dots \langle 9 \text{ terms} \rangle \dots + 8[12] [34] \langle 23 \rangle \langle 34 \rangle [35]}{[34] [56] \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3^2} + \\
& \frac{\langle 26 \rangle (-2 \langle 23 \rangle [34]^2 [12]^2 \langle 46 \rangle \dots \langle 9 \text{ terms} \rangle \dots - 2[24] [14] \langle 36 \rangle \langle 14 \rangle [13]^2)}{[13] [34] \langle 56 \rangle \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{[25] (-8 \langle 23 \rangle^2 [13]^2 [24] [35] \dots \langle 15 \text{ terms} \rangle \dots + 2 \langle 13 \rangle [45] [14] \langle 24 \rangle [13]^2)}{[13] [34] [56] \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{[15] (-7[12] [24] \langle 23 \rangle \langle 12 \rangle [35] \dots \langle 3 \text{ terms} \rangle \dots + 6[45] [23] [34] \langle 23 \rangle \langle 34 \rangle)}{[34] [56] \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{[12] \langle 26 \rangle (178/3 [13] [24] \langle 46 \rangle + 136/3 \langle 36 \rangle [23] [13] - 8[23] [12] \langle 26 \rangle - 82/3 [13] \langle 16 \rangle [12])}{[13] [34] \langle 56 \rangle \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{7[12] [14] \langle 16 \rangle \langle 46 \rangle}{[34] \langle 56 \rangle \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{[25] (13 \langle 34 \rangle [45] [13] \dots \langle 6 \text{ terms} \rangle \dots + 7[15] \langle 14 \rangle [14])}{[34] [56] \langle 2 \rangle [5+6] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{4[12] \langle 23 \rangle^2 [25]^2}{[56] \langle 2 \rangle [1+3] 2^2 \langle 2 \rangle [1+3] 4} + \\
& \frac{\langle 23 \rangle \langle 34 \rangle [45] (-4[25] \langle 12 \rangle [12] - 6 \langle 13 \rangle [25] [13] - 4 \langle 13 \rangle [12] [35])}{\langle 12 \rangle [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+3] 4 s_{123}} + \\
& \frac{[12] \langle 36 \rangle \langle 46 \rangle (-18 \langle 13 \rangle [13] + 35/3 \langle 23 \rangle [23] + 23/3 \langle 12 \rangle [12])}{\langle 12 \rangle [13] \langle 56 \rangle \langle 2 \rangle [1+3] 2 s_{123}} + \\
& \frac{-4 \langle 12 \rangle [12] \langle 23 \rangle [45]^2 \langle 4 \rangle [2+3] 1}{[56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4^2} + \\
& \frac{-8[12] [14]^2 \langle 24 \rangle [34] \langle 46 \rangle^2}{[13]^2 \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{-2[12]^3 [34] \langle 26 \rangle^2 \langle 24 \rangle}{[13]^2 \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{[34] \langle 36 \rangle \langle 2 \rangle [12] [14] \langle 46 \rangle \langle 34 \rangle [13] \dots \langle 6 \text{ terms} \rangle \dots + 10 \langle 13 \rangle [12] \langle 26 \rangle \langle 24 \rangle [13]}{\langle 12 \rangle [13] \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{\langle 23 \rangle [25] (-4[23] \langle 23 \rangle^2 [13] [35] \dots \langle 3 \text{ terms} \rangle \dots - 4[12] [34] \langle 23 \rangle \langle 24 \rangle [35])}{\langle 12 \rangle [13] [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{\langle 14 \rangle [14]^2 \langle 46 \rangle^2 \langle 2 \rangle [13] [13] \dots \langle 4 \text{ terms} \rangle \dots - 2 \langle 12 \rangle [12]}{\langle 12 \rangle \langle 13 \rangle [13]^2 \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{\langle 26 \rangle \langle 46 \rangle (-4[24] [14] \langle 14 \rangle \langle 34 \rangle [13] \dots \langle 7 \text{ terms} \rangle \dots + 8 \langle 13 \rangle [12] [14] \langle 14 \rangle [13])}{\langle 12 \rangle \langle 13 \rangle [13]^2 \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{2 \langle 14 \rangle [14]^2 \langle 24 \rangle^2 [25]^2}{\langle 12 \rangle \langle 13 \rangle [13]^2 [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{[15] (-2 \langle 13 \rangle [45] \langle 14 \rangle \langle 34 \rangle [13]^2 \dots \langle 8 \text{ terms} \rangle \dots - 2[34] [14] \langle 14 \rangle \langle 34 \rangle^2 [35])}{\langle 12 \rangle \langle 13 \rangle [13]^2 [56] \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{\langle 16 \rangle (-2[24] \langle 36 \rangle \langle 24 \rangle \langle 34 \rangle [13] \dots \langle 5 \text{ terms} \rangle \dots + 4[24] \langle 46 \rangle \langle 23 \rangle \langle 34 \rangle [13])}{\langle 12 \rangle \langle 13 \rangle [13] \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{\langle 16 \rangle \langle 3 \rangle \langle 23 \rangle [13]^2 [24] \langle 46 \rangle \dots \langle 7 \text{ terms} \rangle \dots + 3[12] \langle 12 \rangle [14] \langle 46 \rangle [13]}{\langle 12 \rangle [13] [34] \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{-2[23] [12] \langle 36 \rangle \langle 24 \rangle \langle 26 \rangle}{\langle 12 \rangle [13] \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+4] 3} + \\
& \frac{8[12] [14]^2 \langle 46 \rangle \langle 24 \rangle \langle 16 \rangle}{\langle 12 \rangle [13]^2 \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+3] 4} + \\
& \frac{[12] \langle 26 \rangle \langle 2 \rangle [23] [12] \langle 26 \rangle \langle 23 \rangle - 8[14]^2 \langle 46 \rangle \langle 14 \rangle}{\langle 12 \rangle [13]^2 \langle 56 \rangle \langle 2 \rangle [1+3] 2 \langle 2 \rangle [1+3] 4} + \\
& \frac{\langle 34 \rangle [45] (-59/3 \langle 23 \rangle [25] - 77/3 [15] \langle 13 \rangle)}{\langle 12 \rangle [56] \langle 2 \rangle [1+3] 4 s_{123}} + \\
& \frac{\langle 26 \rangle^2 (4[13] \langle 23 \rangle^2 [23] [12] \dots \langle 15 \text{ terms} \rangle \dots - 3[12] [34] \langle 23 \rangle \langle 34 \rangle [13])}{\langle 56 \rangle \langle 2 \rangle [3+4] 1 \langle 2 \rangle [1+4] 3^2 \langle 2 \rangle [1+3] 4} + \\
& \frac{\langle 26 \rangle \langle 2 \rangle [13] \langle 16 \rangle [13]^3 \dots \langle 18 \text{ terms} \rangle \dots - 5/3 [12] [34] \langle 26 \rangle \langle 14 \rangle [13]}{\langle 12 \rangle [13] [34] \langle 56 \rangle \langle 2 \rangle [1+4] 3^2} + \\
& \frac{[35] \langle 31 \rangle / 3 \langle 34 \rangle [13]^2 [45] \langle 12 \rangle \dots \langle 12 \text{ terms} \rangle \dots + 55/3 [45] \langle 24 \rangle^2 [13] [24]}{\langle 12 \rangle [13] [34] [56] \langle 2 \rangle [1+4] 3^2} + \\
& \frac{4[12] \langle 14 \rangle \langle 16 \rangle \langle 34 \rangle [34] [35]}{\langle 13 \rangle [13] \langle 1 \rangle [2+4] 3^2 \langle 2 \rangle [1+4] 3} + \\
& \frac{\langle 24 \rangle [12] [34] [35] (-8/3 \langle 24 \rangle [25] - 2 \langle 34 \rangle [35] - 2/3 [15] \langle 14 \rangle)}{\langle 12 \rangle [13]^2 [56] \langle 1 \rangle [2+4] 3 \langle 2 \rangle [1+4] 3} + \\
& \frac{-2 \langle 12 \rangle [12]^2 \langle 34 \rangle [35]^2}{\langle 13 \rangle [13]^2 [56] \langle 1 \rangle [2+4] 3 \langle 2 \rangle [1+4] 3} + \\
& \frac{[12] \langle 16 \rangle (4[13] \langle 36 \rangle \langle 14 \rangle + 2 \langle 23 \rangle [23] \langle 46 \rangle - 2 \langle 34 \rangle [34] \langle 46 \rangle - 4 \langle 13 \rangle [13] \langle 46 \rangle)}{\langle 13 \rangle [13] \langle 56 \rangle \langle 1 \rangle [2+4] 3 \langle 2 \rangle [1+4] 3} + \\
& \frac{\langle 26 \rangle (-32 \langle 13 \rangle \langle 36 \rangle [13]^3 \dots \langle 11 \text{ terms} \rangle \dots - 2[34] \langle 24 \rangle [12]^2 \langle 26 \rangle)}{\langle 12 \rangle [13]^2 \langle 56 \rangle \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{\langle 23 \rangle \langle 16 \rangle (32[13] \langle 36 \rangle + 62[14] \langle 46 \rangle - 4[12] \langle 26 \rangle)}{\langle 12 \rangle \langle 56 \rangle \langle 2 \rangle [1+4] 3 \langle 2 \rangle [1+3] 4} + \\
& \frac{[12] [35] (-8/3 \langle 24 \rangle [25] - 2 \langle 34 \rangle [35] - 16/9 [15] \langle 14 \rangle)}{\langle 12 \rangle [13]^2 [56] \langle 1 \rangle [2+4] 3}
\end{aligned}$$