

$$\begin{aligned}
& \frac{-12[35](s_{13}-s_{14}+s_{23}+s_{24})\langle 26 \rangle [13] \langle 24 \rangle}{\langle 2 | 1+4 | 3 \rangle^4} + \\
& \frac{-24s_{124}[35] \langle 26 \rangle [13]^2 \langle 13 \rangle \langle 24 \rangle}{\langle 2 | 1+4 | 3 \rangle^4 \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{-12[35] \langle 26 \rangle [13] \langle 34 \rangle \langle 4 | 1+2 | 3 \rangle \langle 3 | 1+2 | 4 \rangle}{\langle 2 | 1+4 | 3 \rangle^3 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{-36 \langle 2 | 1+4 | 2 \rangle [35] \langle 26 \rangle [13] \langle 34 \rangle}{\langle 2 | 1+4 | 3 \rangle^3 \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{[35][13](-6 \langle 13 \rangle \langle 26 \rangle \langle 24 \rangle + 6 \langle 46 \rangle \langle 23 \rangle \langle 12 \rangle)}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^3} + \\
& \frac{6[35][24] \langle 26 \rangle \langle 24 \rangle^2}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^3} + \\
& \frac{\langle 26 \rangle [13] \langle 30 \rangle \langle 26 \rangle [12] \langle 14 \rangle - 6[13] \langle 14 \rangle \langle 36 \rangle - 6 \langle 23 \rangle [23] \langle 46 \rangle}{\langle 56 \rangle \langle 2 | 1+4 | 3 \rangle^3} + \\
& \frac{6 \langle 4 | 2+3 | 1 \rangle [35]^2 \langle 23 \rangle}{[56] \langle 2 | 1+4 | 3 \rangle^3} + \\
& \frac{8[14][35] \langle 34 \rangle^2 \langle 4 | 1+2 | 3 \rangle [34] \langle 36 \rangle}{\langle 2 | 1+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{\langle 34 \rangle \langle 36 \rangle (8[13]^2 \langle 14 \rangle [45] \dots \langle 4 \text{ terms} \rangle \dots + 6[34][35][12] \langle 24 \rangle)}{\langle 2 | 1+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{-4 \langle 23 \rangle [12] [35] \langle 26 \rangle \langle 34 \rangle [23]}{\langle 2 | 1+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{-2 \langle 23 \rangle [35][24] \langle 26 \rangle [23] \langle 34 \rangle \langle 24 \rangle}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{6[35][13] \langle 34 \rangle \langle 14 \rangle [34] \langle 36 \rangle \dots \langle 10 \text{ terms} \rangle \dots + 2[35] \langle 24 \rangle^2 [24][23] \langle 36 \rangle}{\langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{12 \langle 23 \rangle [25] \langle 12 \rangle [13] \langle 46 \rangle \dots \langle 11 \text{ terms} \rangle \dots - 4[35] \langle 23 \rangle^2 [23] \langle 46 \rangle}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{\langle 16 \rangle [35] \langle 24 \rangle [23] \langle 2 | 13 \rangle [13] + 2[14] \langle 14 \rangle + 2 \langle 23 \rangle [23] + 2[24] \langle 24 \rangle}{\langle 1 | 2+4 | 3 \rangle^2 \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{\langle 46 \rangle (-9/2[34]^2 \langle 34 \rangle \langle 46 \rangle \dots \langle 7 \text{ terms} \rangle \dots - 9/2 \langle 23 \rangle \langle 26 \rangle [23]^2)}{\langle 56 \rangle \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{-36[23] \langle 26 \rangle [13] \langle 14 \rangle \langle 36 \rangle}{\langle 56 \rangle \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{[45] \langle 2 | 13 \rangle \langle 34 \rangle \langle 14 \rangle [35] + 2[35] \langle 24 \rangle \langle 34 \rangle [23] + 2 \langle 24 \rangle^2 [23][25] + 2[13] \langle 14 \rangle \langle 24 \rangle [25]}{[56] \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{[35](-2[14][35] \langle 34 \rangle \langle 14 \rangle \dots \langle 3 \text{ terms} \rangle \dots - 2[35][24] \langle 34 \rangle \langle 24 \rangle)}{[56] \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{-16 \langle 26 \rangle [12] \langle 14 \rangle [35] \dots \langle 11 \text{ terms} \rangle \dots - 13 \langle 24 \rangle \langle 26 \rangle [23][25]}{\langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{-2[35] \langle 13 \rangle [34] \langle 24 \rangle \langle 46 \rangle \dots \langle 6 \text{ terms} \rangle \dots - 1[35][23] \langle 26 \rangle \langle 13 \rangle \langle 24 \rangle}{\langle 12 \rangle \langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle^2} + \\
& \frac{\langle 26 \rangle (1[35] \langle 23 \rangle [24] \langle 24 \rangle \dots \langle 9 \text{ terms} \rangle \dots + 2 \langle 13 \rangle [13][15] \langle 12 \rangle)}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle^2 \langle 2 | 1+3 | 4 \rangle} + \\
& \frac{1[14] \langle 46 \rangle \langle 24 \rangle [45]}{\langle 2 | 1+4 | 3 \rangle^2 \langle 2 | 1+3 | 4 \rangle} + \\
& \frac{\langle 26 \rangle (2[13][24] \langle 36 \rangle \langle 24 \rangle \dots \langle 5 \text{ terms} \rangle \dots + 2 \langle 13 \rangle [13][12] \langle 26 \rangle)}{\langle 56 \rangle \langle 2 | 1+4 | 3 \rangle^2 \langle 2 | 1+3 | 4 \rangle} + \\
& \frac{[45](-1[15][13] \langle 34 \rangle \langle 12 \rangle - 1[15][12] \langle 24 \rangle \langle 12 \rangle + 2[13] \langle 34 \rangle \langle 24 \rangle [45] + 2[12] \langle 24 \rangle^2 [45])}{[56] \langle 2 | 1+4 | 3 \rangle^2 \langle 2 | 1+3 | 4 \rangle} + \\
& \frac{6[56] \langle 34 \rangle^2 \langle 4 | 1+2 | 3 \rangle [34]^2 \langle 36 \rangle^2}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^4} + \\
& \frac{4[12][35] \langle 34 \rangle^2 [34] \langle 36 \rangle}{\langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{-4 \langle 34 \rangle^2 \langle 4 | 1+2 | 3 \rangle [45][34] \langle 36 \rangle}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{-4[35][24] \langle 36 \rangle \langle 34 \rangle^2 [34] \langle 24 \rangle}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{\langle 34 \rangle \langle 36 \rangle (4[13][25] + 4[35][12])}{\langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{\langle 34 \rangle \langle 36 \rangle (-2[35][24] \langle 24 \rangle + 2 \langle 24 \rangle [23][45] - 2[14][35] \langle 14 \rangle + 2[13] \langle 14 \rangle [45])}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{\langle 16 \rangle [35] \langle 34 \rangle [23] (-4[14] \langle 14 \rangle + 2[24] \langle 24 \rangle)}{\langle 1 | 2+4 | 3 \rangle^2 \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{2[35][24] \langle 34 \rangle \langle 46 \rangle - 4 \langle 24 \rangle \langle 36 \rangle [23][25] - 4[35][12] \langle 14 \rangle \langle 36 \rangle}{\langle 1 | 2+4 | 3 \rangle \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{-2[15] \langle 14 \rangle \langle 36 \rangle + 12[35] \langle 34 \rangle \langle 36 \rangle + 12 \langle 46 \rangle \langle 34 \rangle [45]}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{-4 \langle 16 \rangle [35] \langle 34 \rangle [23]}{\langle 1 | 2+4 | 3 \rangle^2 \langle 2 | 1+4 | 3 \rangle} + \\
& \frac{2 \langle 23 \rangle \langle 26 \rangle \langle 3 | 1+2 | 3 \rangle [45]}{\langle 12 \rangle \langle 2 | 1+4 | 3 \rangle \langle 2 | 1+3 | 4 \rangle^2} + \\
& \frac{-2 \langle 4 | 2+3 | 1 \rangle \langle 23 \rangle [45]^2}{[56] \langle 2 | 1+4 | 3 \rangle \langle 2 | 1+3 | 4 \rangle^2} + \\
& \frac{4[35][24] \langle 34 \rangle^2 \langle 14 \rangle [34] \langle 36 \rangle}{\langle 12 \rangle \langle 1 | 2+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^3} + \\
& \frac{[35][23] \langle 34 \rangle \langle 36 \rangle (-4[24] \langle 14 \rangle - 2 \langle 13 \rangle [23])}{\langle 1 | 2+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{2[12][35] \langle 34 \rangle \langle 13 \rangle \langle 16 \rangle [23]}{\langle 1 | 2+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{2[35][24] \langle 26 \rangle \langle 14 \rangle \langle 34 \rangle \langle 13 \rangle [23]}{\langle 12 \rangle \langle 1 | 2+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{-2 \langle 36 \rangle \langle 34 \rangle [23][25]}{\langle 1 | 2+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle^2} + \\
& \frac{-4 \langle 1 | 3+4 | 2 \rangle [35] \langle 34 \rangle \langle 14 \rangle \langle 16 \rangle [34]}{\langle 12 \rangle \langle 1 | 2+4 | 3 \rangle^3 \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{2 \langle 16 \rangle \langle 34 \rangle [23][25]}{\langle 1 | 2+4 | 3 \rangle^2 \langle 3 | 5+6 | 3 \rangle} + \\
& \frac{[25](-8 \langle 14 \rangle \langle 36 \rangle + 12 \langle 13 \rangle \langle 46 \rangle)}{\langle 12 \rangle \langle 1 | 2+4 | 3 \rangle \langle 3 | 5+6 | 3 \rangle}
\end{aligned}$$