

$$\begin{aligned}
& \frac{\langle 16 \rangle (s_{14} - s_{23}) \langle 3 | 1 + 4 | 2 \rangle \langle -3/8 | 13 \rangle \langle 36 \rangle - 3/16 | 14 \rangle \langle 46 \rangle}{\langle 56 \rangle \Delta_{14|23|56} \langle 1 | 2 + 3 | 4 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{9/32 | 25 \rangle \langle s_{123} - s_{234} \rangle \langle 3 | 1 + 4 | 2 \rangle \langle 26 \rangle}{\langle 1 | 2 + 3 | 4 \rangle \langle 2 | 1 + 4 | 3 \rangle \Delta_{14|23|56}} + \\
& \frac{3/32 | 25 \rangle \langle s_{124} - s_{134} \rangle \langle 3 | 1 + 4 | 2 \rangle \langle 26 \rangle}{\langle 1 | 2 + 3 | 4 \rangle \langle 2 | 1 + 4 | 3 \rangle \Delta_{14|23|56}} + \\
& \frac{\langle 3 | 1 + 4 | 2 \rangle \langle -3/16 | 16 \rangle | 12 | [15] \langle 12 \rangle \dots \langle 4 \text{ terms} \rangle \dots + 3/8 | 25 \rangle \langle 12 \rangle \langle 13 \rangle \langle 36 \rangle}{\langle 1 | 2 + 3 | 4 \rangle \langle 2 | 1 + 4 | 3 \rangle \Delta_{14|23|56}} + \\
& \frac{-1/12 \langle 1 | 3 + 4 | 2 \rangle \langle 26 \rangle | 24 \rangle \langle 46 \rangle \langle 3 | 2 + 4 | 1 \rangle}{\langle 56 \rangle \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& (123456 \rightarrow -432165) + \\
& \frac{9/4 \langle 36 \rangle [23] [13] \langle 26 \rangle}{[34] \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{9/4 | 25 \rangle [35] \langle 23 \rangle [13]}{[34] [56] \langle 2 | 1 + 4 | 3 \rangle^2} + \\
& \frac{\langle 16 \rangle [13] \langle 47/4 | 16 \rangle | 12 | [13] \langle 12 \rangle - 3/4 | 24 \rangle [13] \langle 12 \rangle \langle 46 \rangle - 11 \langle 46 \rangle | 12 | \langle 12 \rangle [34] - 11 | 23 \rangle [24] \langle 24 \rangle \langle 26 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{\langle 26 \rangle [23] \langle 1 | 24 \rangle \langle 26 \rangle [13] \langle 14 \rangle - 10 \langle 36 \rangle [23] \langle 24 \rangle [34] - 10 | 23 \rangle [24] \langle 24 \rangle \langle 26 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[35] \langle 14 \rangle [15] \langle 3/4 | 34 \rangle [14] \langle 14 \rangle + 139/12 | 24 \rangle [13] \langle 12 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[35] \langle 12 \rangle [25] \langle -47/4 | 12 \rangle [34] + 289/12 | 24 \rangle [13]}{[34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{10 [45] [23]^2 [35] \langle 23 \rangle}{[34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{-5/3 | 14 \rangle \langle 26 \rangle \langle 4 | 1 + 2 | 4 \rangle \langle 36 \rangle [13]}{[34] \langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[14] [15] \langle -5/3 | 35 \rangle \langle 13 \rangle \langle 23 \rangle [13] - 5/3 [45] [24] \langle 24 \rangle^2}{[34] [56] \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{5/3 [45]^2 \langle 24 \rangle \langle 3 | 2 + 4 | 1 \rangle [13]}{[34] [56] \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[14] \langle 36 \rangle \langle 26 \rangle \langle -10/3 | 34 \rangle [13] - 5 | 12 \rangle \langle 24 \rangle}{\langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 23 \rangle [15] \langle 5 | 45 \rangle \langle 34 \rangle [13] + 5/3 | 25 \rangle [14] \langle 24 \rangle + 10/3 [45] [12] \langle 24 \rangle}{[56] \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 26 \rangle \langle 27/4 | 36 \rangle | 12 \rangle \langle 24 \rangle [34]^2 \dots \langle 3 \text{ terms} \rangle \dots - 10/3 \langle 14 \rangle [14] [34] \langle 36 \rangle [13]}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-7/4 | 25 \rangle [14]^2 [35] \langle 12 \rangle}{[34]^2 \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[13] \langle 16 \rangle \langle 27/4 | 14 \rangle \langle 46 \rangle \langle 23 \rangle - 1 | 12 \rangle \langle 23 \rangle \langle 26 \rangle - 41/12 | 14 \rangle \langle 24 \rangle \langle 36 \rangle}{\langle 24 \rangle [34] \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[15] \langle -121/12 | 45 \rangle [14] \langle 14 \rangle - 5 [45] [24] \langle 24 \rangle - 25/3 [45] \langle 13 \rangle [13] - 41/12 | 14 \rangle \langle 13 \rangle [35]}{[34] [56] \langle 2 | 1 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{10/3 \langle 3 | 1 + 2 | 4 \rangle [15]^2 \langle 24 \rangle [13]}{[34] [56] \langle 2 | 3 + 4 | 1 \rangle^2 \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[13] \langle 26 \rangle \langle -1/3 | 12 \rangle \langle 13 \rangle [13] \langle 26 \rangle \dots \langle 3 \text{ terms} \rangle \dots - 1 | 23 \rangle \langle 23 \rangle [13] \langle 36 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[15] \langle -10/3 | 45 \rangle \langle 34 \rangle [13]^2 \langle 12 \rangle \dots \langle 3 \text{ terms} \rangle \dots + 7/3 \langle 23 \rangle [45] [23] \langle 24 \rangle [13]}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[13] \langle 16 \rangle \langle -121/12 | 12 \rangle \langle 26 \rangle - 27/4 | 14 \rangle \langle 46 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{\langle 26 \rangle \langle 229/12 | 24 \rangle [13] \langle 46 \rangle + 68/3 | 23 \rangle [13] \langle 36 \rangle - 127/4 \langle 46 \rangle [12] [34] + 71/3 | 23 \rangle [12] \langle 26 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[15] \langle 181/12 | 24 \rangle \langle 24 \rangle [35] \dots \langle 4 \text{ terms} \rangle \dots + 49/12 | 14 \rangle [35] \langle 14 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{-61/6 | 25 \rangle [45] [13]}{[34]^2 \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{[24] \langle 16 \rangle \langle -3/4 | 46 \rangle \langle 23 \rangle [13] + 3/4 | 12 \rangle \langle 24 \rangle \langle 26 \rangle}{\langle 24 \rangle [34] \langle 56 \rangle \langle 1 | 2 + 3 | 4 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{-3/4 | 25 \rangle [45] [24] \langle 24 \rangle}{[34] [56] \langle 1 | 2 + 3 | 4 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{-25/3 \langle 46 \rangle [13] \langle 36 \rangle}{\langle 24 \rangle [34] \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{-10/3 | 14 \rangle \langle 46 \rangle^2}{\langle 24 \rangle [34] \langle 56 \rangle \langle 2 | 1 + 4 | 3 \rangle} + \\
& \frac{1/12 \langle 6 | 1 + 3 | 5 \rangle (s_{14} - s_{23}) [23] \langle s_{124} - s_{234} \rangle \langle 13 \rangle}{\Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle^2 \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-7/2 \langle 16 \rangle [23]^2 [24] \langle 26 \rangle}{[34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle^2} + \\
& \frac{[23] \langle 16 \rangle \langle -17/6 | 23 \rangle \langle 36 \rangle + 1/3 | 24 \rangle \langle 46 \rangle}{[34] \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle^2} + \\
& \frac{1/3 \langle 6 | 1 + 3 | 5 \rangle [14] (s_{14} - s_{23}) \langle 13 \rangle (s_{123} - s_{134})}{\Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle^2} + \\
& \frac{\langle 16 \rangle \langle 5/2 | 36 \rangle | 12 \rangle \langle 24 \rangle [34]^2 \dots \langle 6 \text{ terms} \rangle \dots + 1 | 14 \rangle \langle 46 \rangle \langle 34 \rangle [34]^2}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 26 \rangle \langle -17/6 | 46 \rangle [24] \langle 34 \rangle [34]^2 \dots \langle 4 \text{ terms} \rangle \dots - 17/6 | 24 \rangle^2 [13] \langle 12 \rangle \langle 46 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[15] \langle -4/3 | 24 \rangle^2 \langle 24 \rangle [35] \langle 12 \rangle + 2 | 34 \rangle^2 [45] \langle 34 \rangle \langle 14 \rangle + 1 | 34 \rangle [14] [45] \langle 14 \rangle^2}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{1 \langle 36 \rangle \langle 46 \rangle \langle 34 \rangle [34]}{\langle 24 \rangle \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-1/6 \langle 6 | 1 + 3 | 5 \rangle \langle 34 \rangle^2 \langle 12 \rangle [24] [13]}{\langle 24 \rangle \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 34 \rangle (s_{13} - s_{56}) \langle 6 | 1 + 3 | 5 \rangle \langle -2/3 | 14 \rangle \langle 14 \rangle - 1/4 \langle 34 \rangle [34]}{\langle 24 \rangle \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-1/4 [15] \langle 34 \rangle \langle 12 \rangle [24] (s_{13} - s_{56}) \langle 46 \rangle}{\langle 24 \rangle \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 46 \rangle (s_{13} - s_{24}) \langle 36 \rangle \langle -1/2 | 23 \rangle [24] \langle 23 \rangle \dots \langle 3 \text{ terms} \rangle \dots - 5/6 | 14 \rangle [24] \langle 14 \rangle}{\langle 56 \rangle \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-1/2 [45] (s_{13} - s_{24}) \langle 4 | 1 + 3 | 2 \rangle [15] \langle 13 \rangle}{[56] \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[15] (s_{13} - s_{24}) \langle -1/3 | 25 \rangle [24] \langle 34 \rangle \langle 12 \rangle + 1/4 [25] [12] \langle 13 \rangle \langle 12 \rangle - 7/12 [45] [24] \langle 34 \rangle \langle 14 \rangle + 7/12 | 12 \rangle \langle 13 \rangle^2 [35]}{[56] \Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-43/24 | 25 \rangle [14]^2 \langle 36 \rangle \langle 14 \rangle^2 \dots \langle 54 \text{ terms} \rangle \dots - 1/6 \langle 23 \rangle \langle 26 \rangle [23] [25] [12] \langle 13 \rangle}{\Delta_{13|24|56} \langle 1 | 2 + 4 | 3 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-9/2 \langle 16 \rangle [23] [24]^2 \langle 26 \rangle}{[34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 1 | 2 + 3 | 4 \rangle} + \\
& \frac{\langle 16 \rangle \langle -77/6 | 24 \rangle [13] \langle 46 \rangle \dots \langle 3 \text{ terms} \rangle \dots + 47/4 \langle 16 \rangle [12] [13]}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle} + \\
& \frac{17/4 \langle 46 \rangle [23] [24] \langle 26 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle} + \\
& \frac{[23] [15] \langle -139/12 | 13 \rangle [35] + 7/4 [45] \langle 14 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle} + \\
& \frac{[25] \langle 37/3 | 24 \rangle [35] + 47/4 [45] [23]}{[34]^2 \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle} + \\
& \frac{-17/4 \langle 23 \rangle [23] \langle 46 \rangle \langle 16 \rangle [24]}{\langle 24 \rangle [34] \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 1 | 2 + 3 | 4 \rangle} + \\
& \frac{[24] \langle 16 \rangle \langle 15/4 | 23 \rangle \langle 36 \rangle + 4 [24] \langle 46 \rangle}{[34] \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 1 | 2 + 3 | 4 \rangle} + \\
& \frac{-7/2 [23] \langle 46 \rangle \langle 36 \rangle}{\langle 24 \rangle [34] \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle} + \\
& \frac{-121/12 | 24 \rangle \langle 46 \rangle^2}{\langle 24 \rangle [34] \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle} + \\
& \frac{\langle 34 \rangle \langle 16 \rangle \langle -29/4 | 24 \rangle \langle 46 \rangle - 3 [23] \langle 36 \rangle}{\langle 24 \rangle \langle 56 \rangle \langle 1 | 2 + 4 | 3 \rangle \langle 1 | 2 + 3 | 4 \rangle} + \\
& \frac{-5/3 \langle 23 \rangle [14] \langle 2 | 1 + 6 | 5 \rangle [45] [24] [13]}{[34]^2 \langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 3 | 4 \rangle^2} + \\
& \frac{\langle 23 \rangle [45] [14] [13] \langle 5/3 | 25 \rangle \langle 23 \rangle - 5/3 [45] \langle 34 \rangle + 10/3 [15] \langle 13 \rangle}{[34] [56] \langle 2 | 3 + 4 | 1 \rangle \langle 2 | 1 + 3 | 4 \rangle^2} + \\
& \frac{[45] [14] \langle 20/3 | 24 \rangle [35] \langle 23 \rangle + 5 [45] [12] \langle 12 \rangle}{[34]^2 \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle^2} + \\
& \frac{[45] [14] \langle -20/3 | 25 \rangle \langle 24 \rangle \langle 23 \rangle - 2 [34] [35] \langle 23 \rangle + 4/3 [15] \langle 13 \rangle \langle 24 \rangle + 2 [15] \langle 34 \rangle \langle 12 \rangle}{\langle 24 \rangle [34] [56] \langle 2 | 1 + 3 | 4 \rangle^2} + \\
& \frac{[14] \langle 16 \rangle \langle 27/4 | 14 \rangle \langle 46 \rangle + 47/4 | 12 \rangle \langle 26 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{\langle 26 \rangle \langle -55/4 | 24 \rangle [13] \langle 36 \rangle - 43/6 [14] [24] \langle 46 \rangle - 17/6 | 12 \rangle \langle 26 \rangle [24] + 55/4 \langle 36 \rangle [12] [34]}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{[45] [15] \langle 4/3 | 24 \rangle \langle 24 \rangle - 7/3 [14] \langle 14 \rangle - 19/3 \langle 34 \rangle [34]}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{-55/4 [25] [45] \langle 23 \rangle [13]}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{2 \langle 3 | 1 + 2 | 4 \rangle [14] \langle 34 \rangle \langle 26 \rangle \langle 46 \rangle}{\langle 23 \rangle \langle 24 \rangle [34] \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{-10/3 [14] \langle 46 \rangle \langle 36 \rangle}{\langle 24 \rangle [34] \langle 56 \rangle \langle 2 | 1 + 3 | 4 \rangle} + \\
& \frac{1/4 [14] [24] \langle 34 \rangle^2 \langle 46 \rangle^2}{\langle 24 \rangle \langle 56 \rangle \langle 4 | 2 + 3 | 4 \rangle^2 \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{5/4 \langle 46 \rangle [24]^3 \langle 26 \rangle}{[34]^2 \langle 56 \rangle \langle 1 | 2 + 3 | 4 \rangle \langle 4 | 2 + 3 | 4 \rangle} + \\
& \frac{-3/2 \langle 3 | 1 + 2 | 4 \rangle [24]^2 \langle 46 \rangle^2}{[34] \langle 56 \rangle \langle 1 | 2 + 3 | 4 \rangle \langle 4 | 2 + 3 | 4 \rangle \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{-1/4 \langle 46 \rangle [24]^2 \langle 36 \rangle}{[34] \langle 56 \rangle \langle 1 | 2 + 3 | 4 \rangle \langle 4 | 2 + 3 | 4 \rangle} + \\
& \frac{[15]^2 \langle -1/3 | 14 \rangle \langle 34 \rangle - 10/3 | 12 \rangle \langle 23 \rangle}{[34] [56] \langle 2 | 3 + 4 | 1 \rangle^2} + \\
& \frac{[12] \langle 26 \rangle \langle 5/3 | 12 \rangle \langle 26 \rangle + 4/3 [13] \langle 36 \rangle + 5/3 [14] \langle 46 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle} + \\
& \frac{[15] \langle 5/3 | 45 \rangle \langle 34 \rangle [13] \dots \langle 3 \text{ terms} \rangle \dots + 3 | 25 \rangle [14] \langle 24 \rangle}{\langle 24 \rangle [34]^2 \langle 56 \rangle \langle 2 | 3 + 4 | 1 \rangle} + \\
& \frac{3 \langle 34 \rangle [24] \langle 46 \rangle \langle 2 | 1 + 3 | 4 \rangle \langle 36 \rangle}{\langle 23 \rangle \langle 24 \rangle [34] \langle 56 \rangle \langle 1 | 2 + 3 | 4 \rangle \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{-7/2 [45] [24] \langle 34 \rangle \langle 46 \rangle}{\langle 24 \rangle [34] \langle 1 | 2 + 3 | 4 \rangle \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{1 [14] \langle 46 \rangle \langle 34 \rangle \langle 36 \rangle}{\langle 23 \rangle \langle 24 \rangle [34] \langle 56 \rangle \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{3 [45]^2 \langle 34 \rangle^3}{\langle 23 \rangle \langle 24 \rangle [56] \langle 1 | 2 + 3 | 4 \rangle \langle 4 | 5 + 6 | 4 \rangle} + \\
& \frac{-3 \langle 34 \rangle \langle 36 \rangle^2}{\langle 23 \rangle \langle 24 \rangle \langle 56 \rangle \langle 1 | 2 + 3 | 4 \rangle}
\end{aligned}$$