

$$\begin{aligned}
& \frac{[34]^2 \langle 34 \rangle^3 (-1i[34] \langle 56 \rangle^2 \langle 46 \rangle \langle 34 \rangle^2 - 1/3i[35] \langle 56 \rangle^3 \langle 34 \rangle^2 + 1i[34] \langle 35 \rangle \langle 56 \rangle \langle 46 \rangle^2 \langle 34 \rangle - 1/3i[34] \langle 35 \rangle^2 \langle 46 \rangle^3)}{\langle 3|4+5|3 \rangle^3 \langle 35 \rangle^3 \langle 45 \rangle \langle 23 \rangle \langle 16 \rangle \langle 12 \rangle} + \\
& \frac{[34] \langle 56 \rangle \langle 34 \rangle^3 (-3i[34] \langle 56 \rangle \langle 46 \rangle \langle 34 \rangle - 7/6i[35] \langle 56 \rangle^2 \langle 34 \rangle + 3/2i[34] \langle 35 \rangle \langle 46 \rangle^2)}{\langle 3|4+5|3 \rangle^2 \langle 35 \rangle^3 \langle 45 \rangle \langle 23 \rangle \langle 16 \rangle \langle 12 \rangle} + \\
& \frac{\langle 56 \rangle^2 \langle 34 \rangle^3 (-3i[34] \langle 46 \rangle - 11/6i[35] \langle 56 \rangle)}{\langle 3|4+5|3 \rangle \langle 35 \rangle^3 \langle 45 \rangle \langle 23 \rangle \langle 16 \rangle \langle 12 \rangle} + \\
& \frac{\langle 34 \rangle \langle 45 \rangle^2 \langle 56 \rangle^3 (1/3i[35]^3 \langle 23 \rangle^2 \langle 35 \rangle^2 + 1/3i \langle 24 \rangle \langle 23 \rangle \langle 45 \rangle^2 [45]^3 - 1/3i \langle 24 \rangle \langle 25 \rangle \langle 34 \rangle \langle 45 \rangle [45]^3)}{\langle 5|3+4|5 \rangle^3 \langle 35 \rangle^3 \langle 16 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 12 \rangle} + \\
& \frac{\langle 34 \rangle \langle 45 \rangle^2 \langle 56 \rangle^3 (-1/2i[35]^2 \langle 23 \rangle^2 \langle 35 \rangle + 3/2i \langle 24 \rangle \langle 23 \rangle \langle 45 \rangle [45]^2 - 2i \langle 24 \rangle \langle 25 \rangle \langle 34 \rangle [45]^2)}{\langle 5|3+4|5 \rangle^2 \langle 35 \rangle^3 \langle 16 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 12 \rangle} + \\
& \frac{\langle 45 \rangle \langle 56 \rangle^3 \langle 34 \rangle (1i \langle 23 \rangle^2 \langle 45 \rangle [35] + 2i \langle 24 \rangle \langle 23 \rangle \langle 45 \rangle [45] - 6i \langle 24 \rangle \langle 25 \rangle \langle 34 \rangle [45])}{\langle 5|3+4|5 \rangle \langle 35 \rangle^3 \langle 16 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 12 \rangle} + \\
& \frac{\langle 23 \rangle \langle 45 \rangle \langle 56 \rangle^2 (1i \langle 23 \rangle \langle 45 \rangle \langle 46 \rangle + 31/6i \langle 24 \rangle \langle 56 \rangle \langle 34 \rangle)}{\langle 35 \rangle^3 \langle 16 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 12 \rangle} + \\
& \frac{\langle 45 \rangle (5/6i \langle 23 \rangle \langle 56 \rangle \langle 46 \rangle^2 \langle 25 \rangle - 17/3i \langle 23 \rangle \langle 45 \rangle \langle 56 \rangle \langle 46 \rangle \langle 26 \rangle + 13/3i \langle 45 \rangle^2 \langle 36 \rangle \langle 26 \rangle^2)}{\langle 35 \rangle^2 \langle 16 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 12 \rangle} + \\
& \frac{\langle 46 \rangle (-10i \langle 24 \rangle^2 \langle 56 \rangle^2 + 14i \langle 24 \rangle \langle 56 \rangle \langle 46 \rangle \langle 25 \rangle - 4i \langle 46 \rangle^2 \langle 25 \rangle^2)}{\langle 35 \rangle \langle 16 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 12 \rangle} + \\
& \frac{[12]^3 \langle 24 \rangle^4 (-1/3i \langle 12 \rangle^2 \langle 56 \rangle^2 + 2/3i \langle 12 \rangle \langle 26 \rangle \langle 56 \rangle \langle 15 \rangle - 1/3i \langle 26 \rangle^2 \langle 15 \rangle^2)}{\langle 2|1+6|2 \rangle^3 \langle 45 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 23 \rangle \langle 12 \rangle} + \\
& \frac{\langle 56 \rangle^2 [12] \langle 24 \rangle^4 (1i \langle 12 \rangle [12] + 1i [26] \langle 26 \rangle)}{\langle 2|1+6|2 \rangle^2 \langle 45 \rangle \langle 34 \rangle \langle 25 \rangle^3 \langle 23 \rangle \langle 12 \rangle} + \\
& \frac{-1/2i [12]^2 \langle 16 \rangle \langle 24 \rangle^4 \langle 56 \rangle}{\langle 12 \rangle \langle 23 \rangle \langle 25 \rangle^2 \langle 34 \rangle \langle 45 \rangle \langle 2|1+6|2 \rangle^2}
\end{aligned}$$