

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