

$$\begin{aligned}
& \frac{-1[15]\langle 16\rangle[23]\langle 4|2+3|1]}{\langle 13\rangle[13]\langle 23\rangle\langle 56\rangle[56]\langle 1|5+6|1]} + \\
& \frac{2\langle 16\rangle[23]\langle 34\rangle[35]\langle 1|2+3|1]}{\langle 13\rangle^2[13]\langle 23\rangle\langle 56\rangle[56]\langle 1|2+4|3]} + \\
& \frac{1/3\langle 13\rangle[13][15]\langle 34\rangle\langle 46\rangle}{\langle 13\rangle\langle 23\rangle^2\langle 56\rangle[56]\langle 4|2+3|1]} + \\
& \frac{\langle 6|1+5|2\rangle(2/3\langle 13\rangle[35]+1\langle 12\rangle[25])}{\langle 13\rangle\langle 23\rangle\langle 56\rangle[56]\langle 1|2+3|4]} + \\
& \frac{-1/3\langle 12\rangle\langle 13\rangle[15][23]\langle 6|1+5|2]}{\langle 13\rangle\langle 23\rangle\langle 56\rangle[56]\langle 1|2+3|4\rangle s_{123}} + \\
& \frac{1/3\langle 12\rangle[15]\langle 1|2+3|1\rangle\langle 6|1+5|2]}{\langle 23\rangle^2\langle 56\rangle[56]\langle 1|2+3|4\rangle s_{123}} + \\
& \frac{-1/3[15]^2}{[14]\langle 23\rangle^2[56]} + \\
& \frac{-1[23]\langle 46\rangle\langle 3|1+2|5]}{\langle 13\rangle\langle 23\rangle\langle 56\rangle[56]s_{123}} + \\
& \frac{-2[12][23]\langle 46\rangle\langle 1|2+3|5]}{\langle 13\rangle^2[13]\langle 56\rangle[56]s_{123}} + \\
& \frac{-2/3[13]\langle 46\rangle\langle 3|1+2|5]}{\langle 23\rangle^2\langle 56\rangle[56]s_{123}} + \\
& \frac{1/3[15]\langle 46\rangle}{\langle 23\rangle^2\langle 56\rangle[56]} + \\
& \frac{-1[12][35]\langle 46\rangle}{\langle 13\rangle[13]\langle 23\rangle\langle 56\rangle[56]} + \\
& \frac{2[25]\langle 46\rangle}{\langle 13\rangle\langle 23\rangle\langle 56\rangle[56]}
\end{aligned}$$