

$$\begin{aligned}
& \frac{1/3[15][23](\langle 1|3|4|6\rangle - \langle 1|2|3|6\rangle)}{\langle 23\rangle\langle 1|2+3|4\rangle(\langle 2|3|5+6|1|2\rangle - \langle 3|4|5+6|1|3\rangle)} + \\
& \frac{1/3[12][23]\langle 24\rangle\langle 46\rangle^2\langle 2|1+3|4|}{\langle 12\rangle\langle 23\rangle\langle 56\rangle\langle 4|2+3|1\rangle(\langle 3|2|5+6|4|3\rangle - \langle 2|1|5+6|4|2\rangle)} + \\
& \frac{-1/6\langle 12\rangle\langle 13\rangle[15]^2[23]^2}{\langle 23\rangle[56]\langle 1|2+3|1\rangle^2\langle 1|2+3|4\rangle} + \\
& \frac{1/6[23]\langle 34\rangle[34]\langle 46\rangle\langle 6|1+5|4|}{\langle 23\rangle\langle 56\rangle\langle 1|2+3|4\rangle\langle 4|2+3|4\rangle^2} + \\
& \frac{1/2\langle 12\rangle\langle 13\rangle[15]^2[23]}{\langle 23\rangle^2[56]\langle 1|2+3|1\rangle\langle 1|2+3|4\rangle} + \\
& \frac{[15][23](2/3\langle 1|2|5\rangle + 1/3\langle 1|3|5\rangle)}{\langle 23\rangle[56]\langle 1|2+3|1\rangle\langle 1|2+3|4\rangle} + \\
& \frac{\langle 46\rangle(1/3[23]\langle 6|1+5|4\rangle - 1/2[34]\langle 6|1+5|2\rangle)}{\langle 23\rangle\langle 56\rangle\langle 1|2+3|4\rangle\langle 4|2+3|4\rangle} + \\
& \frac{1/3\langle 46\rangle\langle 6|1+5|2|}{\langle 23\rangle\langle 34\rangle\langle 56\rangle\langle 1|2+3|4\rangle} + \\
& \frac{-1/3[13]\langle 46\rangle^2}{\langle 12\rangle\langle 23\rangle\langle 56\rangle\langle 4|2+3|1\rangle}
\end{aligned}$$