

$$\begin{aligned}
& \frac{-1\langle 24\rangle[56]\langle 6|2+4|3\rangle^2}{\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle^2} + \\
& \frac{\langle 24\rangle(-1[15][35]\langle 56\rangle-1[13][45]\langle 46\rangle-2[13][25]\langle 26\rangle)}{\langle 2|1+4|3\rangle^2} + \\
& \frac{\langle 24\rangle[35]\langle 56\rangle(1[23]\langle 24\rangle[45]+1[23]\langle 26\rangle[56]-1/2[35]\langle 56\rangle[56])}{\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle^2} + \\
& \frac{-2\langle 26\rangle[26][35]\langle 46\rangle \dots \langle 10 \text{ terms} \rangle \dots + 1[23]\langle 26\rangle\langle 34\rangle[35]}{\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \\
& \frac{[35]^2(3/2\langle 23\rangle[26]\langle 46\rangle \dots \langle 4 \text{ terms} \rangle \dots + 3/2\langle 23\rangle[25]\langle 45\rangle)}{[56]\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \\
& \frac{\langle 46\rangle\langle 16\rangle(1/2[14][36]\langle 46\rangle \dots \langle 4 \text{ terms} \rangle \dots + 1/2[13]\langle 45\rangle[45])}{\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \\
& \frac{\langle 26\rangle\langle 6|2+4|3\rangle(s_{14}-s_{32})(-1\langle 26\rangle[26]-1\langle 25\rangle[25]-3/2\langle 56\rangle[56])}{\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} +
\end{aligned}$$

$$(123456 \rightarrow -\overline{432165})$$