

$$\begin{aligned}
& \frac{1[13]\langle 36\rangle\langle 3|1+2|5]+1\langle 34\rangle[45]\langle 6|2+5|1]-1/2[14][25]\langle 26\rangle\langle 34\rangle+3/2[14]\langle 36\rangle\langle 4|1+2|5]}{\langle 12\rangle[34]\langle 2|3+4|1]}+ \\
& \frac{\langle 36\rangle[12](-1[13]\langle 36\rangle-2[14]\langle 46\rangle)}{[34]\langle 56\rangle\langle 2|3+4|1]}+ \\
& \frac{1[15]\langle 34\rangle\langle 3|1+6|5]}{\langle 12\rangle[56]\langle 2|3+4|1]}+ \\
& \frac{-1/2[14]\langle 46\rangle\langle 4|1+2|5](s_{23}-s_{14})}{\langle 12\rangle[34]\langle 2|3+4|1]\langle 4|1+2|3]}+ \\
& \frac{1[12][14]\langle 46\rangle^2(s_{23}-s_{14})}{[34]\langle 56\rangle\langle 2|3+4|1]\langle 4|1+2|3]}+ \\
& (123456\rightarrow\overline{432165})+ \\
& \frac{-1[25]\langle 36\rangle}{\langle 12\rangle[34]}
\end{aligned}$$