

$$\frac{1\langle 14\rangle[15]^2\langle 4|5+6|4\rangle}{\langle 12\rangle[14]\langle 23\rangle\langle 34\rangle[56]\langle 1|5+6|1\rangle} +$$

$$\frac{-1[15]^2\langle 56\rangle}{\langle 12\rangle[14]\langle 23\rangle\langle 3|2+4|1\rangle} +$$

$$\frac{-1[23]\langle 46\rangle^2}{\langle 12\rangle\langle 23\rangle\langle 56\rangle\langle 4|1+3|2\rangle} +$$

$$\frac{1[15]^2}{[14]\langle 23\rangle^2[56]}$$