

$$\frac{6\langle 12\rangle[13]\langle 26\rangle[35]\langle 2|3+4|1\rangle\langle 4|1+2|3\rangle}{\langle 2|1+4|3\rangle^5} +$$

$$\frac{6\langle 24\rangle[35]\langle 2|3+4|1\rangle\langle 6|2+4|3\rangle}{\langle 2|1+4|3\rangle^4} +$$

$$\frac{\langle 24\rangle(1[14][35]\langle 46\rangle+2[13][45]\langle 46\rangle+8[15][35]\langle 56\rangle-3[13][25]\langle 26\rangle)}{\langle 2|1+4|3\rangle^3} +$$

$$\frac{2[15]\langle 24\rangle[35]s_{124}}{[56]\langle 2|1+4|3\rangle^3} +$$

$$\frac{2\langle 24\rangle[24]\langle 26\rangle[35](s_{13}-s_{24})}{\langle 1|2+3|4\rangle\langle 2|1+4|3\rangle^3} +$$

$$\frac{2\langle 24\rangle[35]^2\langle 3|1+2|4\rangle(s_{13}-s_{24})}{[56]\langle 1|2+3|4\rangle\langle 2|1+4|3\rangle^3} +$$

$$\frac{1[15]\langle 34\rangle[35]}{[56]\langle 2|1+4|3\rangle^2} +$$

$$\frac{1[25]\langle 26\rangle(s_{13}-s_{24})}{\langle 1|2+3|4\rangle\langle 2|1+4|3\rangle^2} +$$

$$\frac{-1\langle 34\rangle[35][45](s_{13}-s_{24})}{[56]\langle 1|2+3|4\rangle\langle 2|1+4|3\rangle^2} +$$

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