$$\frac{1/3\langle 12\rangle[15]^2[23]^2\langle 34\rangle\langle 56\rangle}{\langle 23\rangle(\langle 2|3|5+6|1|2]-\langle 3|4|5+6|1|3])^2}+$$

$$\frac{-2/3[15][23]\langle 46\rangle}{\langle 23\rangle(\langle 2|3|5+6|1|2]-\langle 3|4|5+6|1|3])}+$$

$$\frac{1\langle 14\rangle[15]^2[23]\langle 3|1+2|3]}{\langle 13\rangle[13]\langle 23\rangle[56](\langle 2|3|5+6|1|2]-\langle 3|4|5+6|1|3])}+$$

$$\frac{-1/3[13][15]\langle 34\rangle\langle 46\rangle}{\langle 23\rangle^2\langle 56\rangle[56]\langle 4|2+3|1]}+$$

$$\frac{-2[12]\langle 14\rangle\langle 16\rangle[23][35]}{\langle 13\rangle^2[13]\langle 56\rangle[56]\langle 1|2+4|3]}+$$

$$\frac{1/3\langle 6|1+5|2]\langle 2|1+3|5]}{\langle 23\rangle^2\langle 56\rangle[56]\langle 1|2+3|4]}+$$

$$\frac{-1\langle 1|2+3|5]\langle 6|1+5|2]}{\langle 13\rangle\langle 23\rangle\langle 56\rangle[56]\langle 1|2+3|4]}+$$

$$\frac{2\langle 12\rangle[12][23][25]\langle 46\rangle}{\langle 13\rangle^2[13]\langle 56\rangle[56]s_{123}}+$$

$$\frac{-1/3[15]\langle 46\rangle(s_{12}-s_{13})}{\langle 23\rangle^2\langle 56\rangle[56]s_{123}}+$$

$$\frac{2[12][23][35]\langle 46\rangle}{\langle 13\rangle[13]\langle 56\rangle[56]s_{123}}+$$

$$\frac{1\langle 12\rangle[12][25]\langle 46\rangle}{\langle 13\rangle\langle 23\rangle\langle 56\rangle[56]s_{123}}+$$

$$\frac{\langle 46\rangle(-1/3[13][25]+2/3[12][35])}{\langle 23\rangle\langle 56\rangle[56]s_{123}}$$