$$\frac{7/2[12][23]\langle 46\rangle^2\langle 4|5+6|4]}{[34]\langle 56\rangle\langle 4|1+2|3]^2 s_{123}} +$$

$$\frac{-2[13][23][24]\langle 46\rangle^2\langle 4|5+6|4]}{[34]^2\langle 56\rangle\langle 4|1+2|3] s_{123}} +$$

$$\frac{[12]^2\langle 46\rangle^2\langle 4|5+6|4]}{[34]\langle 56\rangle\langle 4|2+3|1]\langle 4|1+2|3] s_{123}} +$$

$$\frac{3/2[12][13][24]\langle 46\rangle^2\langle 4|5+6|4]}{[34]^2\langle 56\rangle\langle 4|2+3|1]\langle 4|1+2|3] s_{123}} +$$

$$\frac{-3[13]^2[24]^2\langle 46\rangle^2\langle 4|5+6|4]}{[34]^3\langle 56\rangle\langle 4|2+3|1]\langle 4|1+2|3] s_{123}}$$