$$\frac{2/3i\langle16\rangle\langle25\rangle^3[12]^3}{\langle12\rangle\langle23\rangle\langle34\rangle\langle45\rangle[16]\langle2|1+6|2]^2} +$$

$$\frac{-1/3i\langle16\rangle[12]^3\langle25\rangle^3}{\langle12\rangle\langle23\rangle\langle34\rangle\langle45\rangle[16]\langle2|1+6|2]s_{345}} +$$

$$\frac{-1i\langle56\rangle[12]^2\langle25\rangle^2}{\langle12\rangle\langle23\rangle\langle34\rangle\langle45\rangle[16]\langle2|1+6|2]} +$$

$$\frac{-1/3i[12][34]^3\langle26\rangle^2\langle13\rangle^2}{\langle12\rangle^2\langle23\rangle\langle16\rangle[45][56]s_{123}s_{345}} +$$

$$(123456 \to 432165) +$$

$$\frac{-1/3i[14]^4\langle12\rangle^2[23]\langle34\rangle^2}{\langle12\rangle\langle23\rangle^2\langle34\rangle[45][56][16]s_{123}s_{234}} +$$

$$\frac{1/3i\langle12\rangle^3[12]^3\langle14\rangle^2[14]^3\langle56\rangle\ldots\langle\!\langle1466\text{ terms}\rangle\!\rangle\ldots+1/3i[15]\langle45\rangle[45][46]\langle56\rangle^5[56]^3}{\langle12\rangle\langle16\rangle[16]\langle23\rangle\langle34\rangle\langle45\rangle[45][56]s_{123}s_{234}s_{345}} +$$

$$\frac{-2/9i\langle56\rangle^3}{\langle12\rangle\langle16\rangle\langle23\rangle\langle34\rangle\langle45\rangle}$$