$$\frac{1/3i[12]\langle13\rangle^2[14]^2\langle1|2+3|4\rangle s_{123}}{\langle12\rangle[45][56]\langle1|2+3|1\rangle^3\langle1|2+3|6\rangle}+$$

$$\frac{-1/2i[12]\langle13\rangle[14]\langle23\rangle[26]\langle1|2+3|4\rangle^2}{\langle12\rangle[45][56]\langle1|2+3|1\rangle^2\langle1|2+3|6\rangle^2}+$$

$$\frac{[14]\langle13\rangle[12]\langle1|2+3|4\rangle(-7/6i\langle13\rangle[14]-2/3i\langle23\rangle[24])}{\langle12\rangle[45][56]\langle1|2+3|1\rangle^2\langle1|2+3|6\rangle}+$$

$$\frac{1i[12]\langle23\rangle^2[26]\langle1|2+3|4\rangle^3}{\langle12\rangle[45][56]\langle1|2+3|1\rangle\langle1|2+3|6\rangle^3 s_{123}}+$$

$$\frac{[12]\langle23\rangle[26]\langle1|2+3|4\rangle^2(2i\langle13\rangle[14]+1/2i\langle23\rangle[24])}{\langle12\rangle[45][56]\langle1|2+3|1\rangle\langle1|2+3|6\rangle^2 s_{123}}+$$

$$\frac{[12]\langle1|2+3|4\rangle(11/6i\langle13\rangle^2[14]^2+5/3i\langle13\rangle[14]\langle23\rangle[24]+1/3i\langle23\rangle^2[24]^2)}{\langle12\rangle[45][56]\langle1|2+3|1\rangle\langle1|2+3|6\rangle s_{123}}+$$

$$(123456 \rightarrow \overline{654321})+$$

$$\frac{\langle13\rangle^2[46]^2(-1i\langle12\rangle^2[12][14][24]\langle34\rangle \ldots \langle\!\langle43\,\text{terms}\rangle\!\rangle \ldots +1i\langle23\rangle[24]\langle45\rangle^2[45]^2)}{\langle12\rangle\langle23\rangle[45][56]\langle1|2+3|6\rangle^3 s_{123}}+$$

$$\frac{\langle13\rangle[46](1i\langle12\rangle[12]\langle13\rangle[14]\langle23\rangle[24] \ldots \langle\!\langle34\,\text{terms}\rangle\!\rangle \ldots +1/2i\langle23\rangle[24]\langle35\rangle\langle45\rangle[45]^2)}{\langle12\rangle\langle23\rangle[45][56]\langle1|2+3|6\rangle^2 s_{123}}+$$

$$\frac{4/3i\langle13\rangle^3[14]^3 \ldots \langle\!\langle4\,\text{terms}\rangle\!\rangle \ldots +11/6i\langle23\rangle^3[24]^3}{\langle12\rangle\langle23\rangle[45][56]\langle1|2+3|6\rangle s_{123}}$$