$$\frac{1[12]^3\langle16\rangle^2}{[13][23]\langle56\rangle\langle1|5+6|1|\langle1|2+3|4|} +$$

$$\frac{\langle12\rangle[12]^2(1\langle14\rangle[24]\langle26\rangle[45]\dots\langle\!\langle6\text{ terms}\rangle\!\rangle\dots+1\langle14\rangle[34]\langle36\rangle[45])}{[13]\langle56\rangle[56]\langle1|2+4|3]\langle1|2+3|4]\langle2|1+3|4]} +$$

$$\frac{\langle6|1+4|5]\langle3|1+4|2](s_{123}-s_{234})(1/4[13]\langle14\rangle[24]-1/8\langle13\rangle[13][23]-1/8[23]\langle34\rangle[34])}{[23]\langle56\rangle[56]\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}} +$$

$$\frac{-1/2\langle14\rangle[24][34]\langle3|1+4|2]\langle4|2+3|1]\langle6|1+4|5]}{[23]\langle56\rangle[56]\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}} +$$

$$\frac{-1[13]\langle14\rangle[24][25]\langle36\rangle\dots\langle\!\langle4\text{ terms}\rangle\!\rangle\dots+1[13][13]\langle14\rangle[24][25]\langle46\rangle}{[23]\langle56\rangle[56]\langle1|2+3|4]\langle2|1+4|3]} +$$

$$\frac{-1[12]^2[25]\langle26\rangle}{[13][23]\langle2|5+6|2]\langle1|2+3|4]} +$$

$$\frac{-1/4[34]\langle3|2+4|1]\langle4|1+3|2]\langle6|1+3|5](s_{123}+s_{134})}{[13]\langle56\rangle[56]\langle1|2+4|3]\langle2|1+3|4]\Delta_{13|24|56}} +$$

$$\frac{[12](-1\langle14\rangle[14][45]\langle46\rangle\dots\langle\!\langle6\text{ terms}\rangle\!\rangle\dots-1[12]\langle13\rangle\langle26\rangle[35])}{[13]\langle56\rangle[56]\langle1|2+4|3]\langle2|1+3|4]} +$$

$$\frac{-1[14]\langle16\rangle\langle34\rangle[36]}{\langle23\rangle\langle56\rangle\langle1|2+4|3]\langle2|1+3|4]} +$$

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