

$$\frac{[13](s_{124}-s_{134})(s_{13}+s_{12}+s_{34}+s_{24})(-9/16\langle 14\rangle[15]\langle 36\rangle+3/8\langle 34\rangle[35]\langle 36\rangle+15/16\langle 23\rangle[25]\langle 46\rangle)}{(2|1+4|3]\Delta_{14|32|56}^2} +$$

$$\frac{(s_{124}-s_{134})(s_{132}-s_{324})(s_{13}+s_{12}+s_{34}+s_{24})(15/32\langle 23\rangle[25][34]\langle 46\rangle-9/32\langle 14\rangle[15][34]\langle 36\rangle+3/16[12]\langle 26\rangle\langle 1|2+3|5])}{(1|2+3|4]\langle 2|1+4|3]\Delta_{14|32|56}^2} +$$

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

$$\frac{-2[23]\langle 26\rangle\langle 36\rangle}{\langle 56\rangle\langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$(123456 \rightarrow -\overline{341265}) +$$

$$\frac{\langle 26\rangle(-4\langle 16\rangle[56]+6\langle 14\rangle[45])}{\langle 12\rangle\langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$\frac{2\langle 13\rangle[23]\langle 26\rangle^2}{\langle 12\rangle\langle 56\rangle\langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$\frac{-2\langle 14\rangle\langle 24\rangle[45]^2}{\langle 12\rangle[56]\langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$\frac{[24](s_{132}-s_{324})(-5/4\langle 36\rangle\langle 1|2+3|5]-3/4\langle 13\rangle[45]\langle 46\rangle)}{(1|2+3|4]^2\Delta_{14|32|56}} +$$

$$\frac{1/2[24]\langle 26\rangle\langle 1|2+3|5](s_{132}-s_{324})(s_{13}-s_{24})}{(1|2+3|4]^2\langle 2|1+4|3]\Delta_{14|32|56}} +$$

$$\frac{1\langle 23\rangle[35]\langle 6|2+5|3](s_{13}-s_{24})(s_{124}-s_{134})}{(1|2+3|4]\langle 2|1+4|3]^2\Delta_{14|32|56}} +$$

$$\frac{-3/4[12][15]\langle 34\rangle\langle 46\rangle}{\langle 4|2+3|1]\Delta_{14|32|56}} +$$

$$\frac{-5/4\langle 23\rangle[26][35]^2\langle 36\rangle\langle 56\rangle \dots \langle 116 \text{ terms} \rangle \dots + 2\langle 25\rangle[25]^2\langle 26\rangle\langle 34\rangle[34]}{(1|2+3|4]\langle 2|1+4|3]\Delta_{14|32|56}}$$