$$\frac{-1/2(s_{23}-s_{14})\langle 13-s_{24}\rangle\langle 36\rangle^2\langle 4|1+2|3][34]}{\langle 56\rangle\Delta_{14|23|56}\langle 1|2+3|4\rangle\langle 2|1+4|3]^2}+$$

$$\frac{(s_{123}-s_{234})\langle 3|1+4|2](-39/16[35]\langle 34\rangle\langle 36\rangle[24]\langle 12\rangle[13]\ldots\langle\langle 11\text{ terms}\rangle\rangle\ldots-73/32[35][12]\langle 23\rangle\langle 46\rangle\langle 13\rangle[34])}{\langle 1|2+3|4\rangle\langle 2|1+4|3]\Delta^2_{14|23|56}}+$$

$$\frac{1/8\langle 34\rangle\langle 2|1+4|5](s_{23}-s_{56})\langle 3|1+4|2]\langle 46\rangle[23]}{\langle 14\rangle\Delta^2_{14|23|56}\langle 2|1+4|3]}+$$

$$\frac{-3/8(s_{23}-s_{14})\langle 3|1+4|2]s_{134}\langle 46\rangle^2[14]}{\langle 56\rangle\Delta^2_{14|23|56}\langle 2|1+4|3]}+$$

$$\frac{\langle 46\rangle[24](1/4[13]\langle 23\rangle\langle 46\rangle[24]\langle 13\rangle\ldots\langle\langle 3\text{ terms}\rangle\rangle\ldots-1/4\langle 14\rangle\langle 36\rangle[14][24]\langle 24\rangle)}{\langle 56\rangle\Delta_{14|23|56}\langle 1|2+3|4\rangle\langle 2|1+4|3]}+$$

$$\frac{(s_{23}-s_{14})\langle 36\rangle(-1/2\langle 46\rangle[24]^2\langle 24\rangle\ldots\langle\langle 5\text{ terms}\rangle\rangle\ldots-1[12]\langle 46\rangle\langle 13\rangle[34])}{\langle 56\rangle\Delta_{14|23|56}\langle 1|2+3|4\rangle\langle 2|1+4|3]}+$$

$$\frac{\langle 46\rangle(3/4[12]\langle 34\rangle\langle 36\rangle[34]\ldots\langle\langle 4\text{ terms}\rangle\rangle\ldots+1\langle 46\rangle[24]\langle 34\rangle[14])}{\langle 56\rangle\Delta_{14|23|56}\langle 2|1+4|3]}+$$

$$\frac{1/4\langle 46\rangle\langle 34\rangle[24]^2\langle 36\rangle}{\langle 56\rangle\Delta_{14|23|56}\langle 1|2+3|4]}+$$

$$(123456\to-\overline{432165})+$$

$$\frac{3[35]\langle 3|1+4|2]\langle 26\rangle[13](s_{124}-s_{134})\langle 24\rangle}{\Delta_{14|23|56}\langle 2|1+4|3]^3}+$$

$$\frac{5/2[35]\langle 3|1+4|2]^2\langle 26\rangle[13](s_{124}-s_{134})\langle 24\rangle}{\Delta^2_{14|23|56}\langle 2|1+4|3]^2}+$$

$$\frac{1/2[12][25]\langle 26\rangle[24]\langle 24\rangle^2\ldots\langle\langle 28\text{ terms}\rangle\rangle\ldots-1[35]\langle 34\rangle^2\langle 36\rangle[13][34]}{\Delta_{14|23|56}\langle 2|1+4|3]^2}+$$

$$\frac{[35][13]\langle 13\rangle(s_{13}-s_{24})(1[13]\langle 13\rangle\langle 36\rangle+1[12]\langle 26\rangle\langle 13\rangle-1\langle 46\rangle\langle 23\rangle[24])}{\Delta_{14|23|56}\langle 1|2+3|4\rangle\langle 2|1+4|3]^2}+$$

$$\frac{(s_{124}-s_{134})(-1[12]\langle 46\rangle\langle 23\rangle[35]\ldots\langle\langle 9\text{ terms}\rangle\rangle\ldots+1[12][45]\langle 46\rangle\langle 24\rangle)}{\Delta_{14|23|56}\langle 2|1+4|3]^2}+$$

$$\frac{(s_{13}-s_{24})(s_{124}-s_{134})(-3/2\langle 14\rangle[14][15]\langle 16\rangle\ldots\langle\langle 6\text{ terms}\rangle\rangle\ldots-3/2\langle 26\rangle[25]\langle 23\rangle[23])}{\Delta_{14|23|56}\langle 1|2+3|4\rangle\langle 2|1+4|3]^2}+$$

$$\frac{-2\langle 6|1+3|5]\langle 24\rangle}{\langle 12\rangle\langle 2|1+4|3]^2}+$$

$$\frac{2\langle 24\rangle[15]\langle 16\rangle}{\langle 12\rangle\langle 2|1+4|3]^2}+$$

$$\frac{2\langle 14\rangle\langle 26\rangle[15]}{\langle 12\rangle\langle 2|1+4|3]^2}+$$

$$\frac{-2\langle 46\rangle[13]\langle 36\rangle}{\langle 56\rangle\langle 2|1+4|3]^2}+$$

$$\frac{2[25][15]\langle 24\rangle}{[56]\langle 2|1+4|3]^2}+$$

$$\frac{-35/32s_{23}\langle 6|1+4|5]\langle 3|1+4|2](s_{15}+s_{16}+s_{45}+s_{46})(s_{124}-s_{134})\langle 4|2+3|1]}{\Delta^3_{14|23|56}\langle 2|1+4|3]}+$$

$$\frac{127/64(s_{13}-s_{24})\langle 6|1+4|5]\langle 3|1+4|2]\langle 4|2+3|1]}{\langle 2|1+4|3]\Delta^2_{14|23|56}}+$$

$$\frac{-7/32(s_{123}+s_{234})\langle 6|1+4|5]\langle 3|1+4|2]\langle 4|2+3|1]\langle 1|2-3|4]}{\langle 1|2+3|4\rangle\langle 2|1+4|3]\Delta^2_{14|23|56}}+$$

$$\frac{(s_{124}-s_{134})(-125/32[35]\langle 34\rangle[12]\langle 23\rangle\langle 46\rangle[24]\ldots\langle\langle 42\text{ terms}\rangle\rangle\ldots+3/16\langle 34\rangle\langle 46\rangle[25][14][24]\langle 24\rangle)}{\langle 2|1+4|3]\Delta^2_{14|23|56}}+$$

$$\frac{(s_{123}-s_{234})(s_{124}-s_{134})(1/8[14]^2\langle 14\rangle^2[25]\langle 36\rangle\ldots\langle\langle 21\text{ terms}\rangle\rangle\ldots-5/64[12]^2\langle 26\rangle\langle 13\rangle^2[35])}{\langle 1|2+3|4\rangle\langle 2|1+4|3]\Delta^2_{14|23|56}}+$$

$$\frac{-1/2(s_{13}-s_{24})(s_{23}-s_{56})[15]\langle 16\rangle[23]\langle 13\rangle^2}{\langle 14\rangle\Delta_{14|23|56}\langle 1|2+3|4]^2\langle 2|1+4|3]}+$$

$$\frac{\langle 13\rangle(s_{13}-s_{24})(1/2[35]\langle 46\rangle\langle 23\rangle[24]^2\ldots\langle\langle 7\text{ terms}\rangle\rangle\ldots-3/2[12][45]\langle 26\rangle[23]\langle 13\rangle)}{\Delta_{14|23|56}\langle 1|2+3|4]^2\langle 2|1+4|3]}+$$

$$\frac{\langle 13\rangle(s_{13}-s_{24})(s_{123}-s_{234})(1[25][14]\langle 16\rangle-1/2[12][45]\langle 16\rangle+3/2\langle 46\rangle[45][24])}{\Delta_{14|23|56}\langle 1|2+3|4]^2\langle 2|1+4|3]}+$$

$$\frac{\langle 46\rangle[23]\langle 13\rangle^2(-1/2[35]\langle 34\rangle[14]+1/2[12]\langle 12\rangle[15]-1/2[12][45]\langle 24\rangle)}{\langle 14\rangle\Delta_{14|23|56}\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{\langle 13\rangle\langle 46\rangle(s_{23}-s_{56})(-1[25][13]\langle 13\rangle+1[12]\langle 13\rangle[35]+1/2[45]\langle 34\rangle[23])}{\langle 14\rangle\Delta_{14|23|56}\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{[24]\langle 23\rangle[15](1/2\langle 46\rangle[24][13]\langle 13\rangle-1/2[12][13]\langle 13\rangle\langle 16\rangle+1/2[12]\langle 14\rangle[24]\langle 26\rangle)}{[14]\Delta_{14|23|56}\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{-3\langle 14\rangle^2[25][14]^2\langle 36\rangle\ldots\langle\langle 57\text{ terms}\rangle\rangle\ldots-3/2\langle 23\rangle[23]\langle 36\rangle[25][13]\langle 13\rangle}{\Delta_{14|23|56}\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{-2\langle 46\rangle[45]\langle 13\rangle+4\langle 13\rangle[15]\langle 16\rangle+47/8[25]\langle 12\rangle\langle 36\rangle}{\langle 12\rangle\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{4[12]\langle 16\rangle\langle 36\rangle}{[56]\langle 1|2+3|4]\langle 2|1+4|3]}+$$

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

$$\frac{-4[45]\langle 34\rangle[25]}{[56]\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{4\langle 23\rangle[25]^2}{[56]\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{(s_{123}-s_{234})(33/32\langle 34\rangle\langle 23\rangle\langle 36\rangle[24][25][23]\ldots\langle\langle 19\text{ terms}\rangle\rangle\ldots-1/8[13]\langle 34\rangle\langle 36\rangle[25][24]\langle 13\rangle)}{\langle 1|2+3|4]\Delta^2_{14|23|56}}+$$

$$\frac{\langle 13\rangle(1/2[35]\langle 34\rangle[24]^2\langle 36\rangle\ldots\langle\langle 7\text{ terms}\rangle\rangle\ldots+1/2[12][25]\langle 26\rangle[24]\langle 13\rangle)}{\Delta_{14|23|56}\langle 1|2+3|4]^2}+$$

$$\frac{2[24]\langle 13\rangle^2[15]\langle 16\rangle}{\langle 12\rangle\langle 14\rangle[14]\langle 1|2+3|4]^2}+$$

$$\frac{34/3[12]\langle 1|2+3|5]\langle 13\rangle^2[15]}{\langle 12\rangle[56]\langle 1|2+3|1]^2\langle 1|2+3|4]}+$$

$$\frac{6[12]\langle 13\rangle^2[15]\langle 16\rangle}{\langle 12\rangle\langle 14\rangle[14]\langle 1|2+3|1]\langle 1|2+3|4]}+$$

$$\frac{4[12]\langle 13\rangle^2[15]\langle 16\rangle}{\langle 12\rangle\langle 14\rangle[14]\langle 1|5+6|1]\langle 1|2+3|4]}+$$

$$\frac{12[12]\langle 46\rangle[24]^2\langle 16\rangle}{[23][34]\langle 56\rangle\langle 1|5+6|1]\langle 1|2+3|4]}+$$

$$\frac{12[12][24]\langle 16\rangle\langle 36\rangle}{[34]\langle 56\rangle\langle 1|5+6|1]\langle 1|2+3|4]}$$