$$\frac{-7/8\langle 16\rangle\langle 3|1+4|2][s_{123}-s_{234})\langle 1|2+3|5](s_{13}-s_{24})}{\langle 14\rangle\langle 1|2+3|4]^2\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{7/2\langle 16\rangle\langle 13\rangle^3[15][23]}{\langle 12\rangle\langle 14\rangle\langle 1|2+3|1]\langle 1|2+3|4]^2}+$$

$$\frac{7/2\langle 13\rangle^2\langle 16\rangle[25]}{\langle 12\rangle\langle 14\rangle\langle 1|2+3|4]^2}+$$

$$\frac{7/4\langle 6|1+4|5](s_{24}-s_{13})s_{123}(s_{124}-s_{134})}{\langle 1|2+3|4]\langle 2|1+4|3]^2\Delta_{14|23|56}}+$$

$$\frac{-7/2[13]^3\langle 16\rangle[15]\langle 13\rangle^4\langle 12\rangle\ldots\langle\text{87 terms}\rangle\ldots+49/4[13]\langle 46\rangle\langle 13\rangle^3\langle 23\rangle[34]^2\langle 34\rangle[35]}{\langle 12\rangle^2\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|4]\langle 2|1+4|3]}+$$

$$\frac{-49/64\langle 6|1+4|5](3|1+4|2](s_{123}-s_{234})s_{123}(s_{124}-s_{134})}{\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}^2}+$$

$$\frac{-21/8\langle 6|1+4|5]\langle 13\rangle\langle 3|1+4|2]\langle 4|1+2|3]}{\langle 14\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/8\langle 6|1+4|5]\langle 3|1+4|2][34]\langle 34\rangle(s_{23}-s_{56})}{\langle 14\rangle[14]\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 3|1+4|2](s_{23}-s_{56})(-35/16\langle 26\rangle\langle 13\rangle\langle 24\rangle[25]\ldots\langle\text{3 terms}\rangle\ldots+7/4\langle 12\rangle\langle 24\rangle[25]\langle 36\rangle)}{\langle 14\rangle\langle 23\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 3|1+4|2]\langle 12\rangle\langle 46\rangle(s_{23}-s_{56})(7/16[24]\langle 24\rangle\langle 36\rangle+7/16[24]\langle 23\rangle\langle 46\rangle+7/16[34]\langle 36\rangle\langle 34\rangle)}{\langle 14\rangle\langle 23\rangle\langle 56\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{7/8\langle 6|1+4|5][13\rangle\langle 3|1+4|2\rangle\langle 23\rangle[24]}{[14\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{[24\rangle\langle 3|1+4|2](s_{23}-s_{56})(7/16\langle 26\rangle[13|[25]-7/16[35|[13\rangle\langle 36\rangle-7/8[35\rangle\langle 26\rangle[12]-7/8\langle 46\rangle[13|[45])}{[14]\langle 23\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 3|1+4|2](s_{23}-s_{56})(-7/8[13\rangle\langle 13\rangle\langle 36\rangle[34][12][35]\ldots\langle\text{6 terms}\rangle\ldots-7/8[13\rangle^2\langle 13\rangle\langle 36\rangle[23][45])}{[14]\langle 23\rangle\langle 56\rangle[56]\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 3|1+4|2](413/32[13\rangle\langle 12\rangle\langle 36\rangle\langle 34\rangle\langle 24\rangle[24]^2[35]\ldots\langle\text{213 terms}\rangle\ldots-63/16\langle 23\rangle\langle 36\rangle\langle 24\rangle^2[24][23]^2[45])}{\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{(s_{124}-s_{134})(-21/8\langle 23\rangle^2\langle 36\rangle\langle 34\rangle[23]^3[45]\ldots\langle\text{42 terms}\rangle\ldots-21/8[13\rangle\langle 13\rangle\langle 23\rangle\langle 36\rangle\langle 34\rangle[23]^2[45])}{\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/4[25]\langle 46\rangle\langle 13\rangle\langle 12\rangle^3\langle 23\rangle[12]^2[24]\ldots\langle\text{10 terms}\rangle\ldots+7/4\langle 13\rangle^4[34]\langle 24\rangle\langle 26\rangle[12]^2[35]}{\langle 12\rangle^2\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|1]\langle 1|2+3|4]}+$$

$$\frac{7/2[13][25]\langle 46\rangle\langle 13\rangle^2\langle 12\rangle^2\langle 23\rangle[12][24]\ldots\langle\text{26 terms}\rangle\ldots-7[13][25]\langle 46\rangle\langle 13\rangle^2\langle 12\rangle\langle 23\rangle^2[24][23]}{\langle 12\rangle^2\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|4]\langle 4|5+6|4]}+$$

$$\frac{-63/4\langle 12\rangle^2\langle 36\rangle\langle 34\rangle^2[24]^2[35]\ldots\langle\text{53 terms}\rangle\ldots-7/2\langle 13\rangle^2\langle 23\rangle^2\langle 36\rangle[35][23]^2}{\langle 12\rangle^2\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|4]}+$$

$$\frac{-7\langle 24\rangle s_{123}[25][35]}{\langle 12\rangle[23][56]\langle 2|1+4|3]^2}+$$

$$\frac{7/4\langle 24\rangle[25]^2(s_{13}-s_{24})[12]}{[23][56]\langle 2|1+3|2]\langle 2|5+6|2]\langle 2|1+4|3]}+$$

$$\frac{7/4[13][25]\langle 12\rangle^3\langle 36\rangle[12]^2\ldots\langle\text{9 terms}\rangle\ldots+7/4[13][25]\langle 12\rangle^2\langle 36\rangle\langle 24\rangle[12][24]}{\langle 12\rangle^2[14][23]\langle 56\rangle[56]\langle 2|1+4|3]\langle 2|1+4|3]}+$$

$$\frac{[13\rangle\langle 13\rangle[12]\langle 7/4[14]\langle 26\rangle\langle 14\rangle^2[45]-7/4\langle 46\rangle\langle 12\rangle\langle 14\rangle[14][45]+7/4\langle 14\rangle\langle 36\rangle[34]\langle 24\rangle[45]-7/4\langle 26\rangle\langle 13\rangle^2[13][35])}{\langle 12\rangle[23]\langle 56\rangle[56]\langle 2|1+3|2]\langle 2|1+4|3]\langle 2|1+3|4]}+$$

$$\frac{10[25]\langle 46\rangle\langle 12\rangle^4\langle 34\rangle[14]^2[12]\ldots\langle\text{161 terms}\rangle\ldots+7/2\langle 13\rangle\langle 36\rangle[34]^2\langle 34\rangle\langle 24\rangle^3[24][45]}{\langle 12\rangle^2\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 2|1+4|3]\langle 2|1+3|4]}+$$

$$\frac{3/2[13]^2[25]\langle 46\rangle\langle 13\rangle\langle 12\rangle\langle 23\rangle\langle 24\rangle[24]\ldots\langle\text{141 terms}\rangle\ldots-17/4\langle 13\rangle\langle 24\rangle^3\langle 26\rangle[12][24]^2[35]}{\langle 12\rangle^2[13]\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 2|1+4|3]}+$$

$$\frac{-7/8\langle 46\rangle^2 s_{134}\langle 3|1+4|2]}{\langle 14\rangle\langle 56\rangle\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{7/4\langle 46\rangle^2\langle 3|1+4|2][56]}{\langle 14\rangle\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{7/8\langle 6|1+4|5][13\rangle\langle 3|1+4|2][12]}{[14]\langle 23\rangle\langle 2|1+4|3]\Delta_{14|23|56}}+$$

$$\frac{-1/4\langle 46\rangle^2\langle 13\rangle[14][12]^2}{[13|\langle 56\rangle\langle 1|2+3|1]^2\langle 4|5+6|4]}+$$

$$\frac{5/2\langle 13\rangle[15]^2[12]^2}{[13][14][56]\langle 1|2+3|1]^2}+$$

$$\frac{1/4\langle 46\rangle\langle 14\rangle[12]^3[45]}{[13][23\rangle\langle 1|2+3|1\rangle\langle 4|5+6|4]^2}+$$

$$\frac{\langle 46\rangle\langle 3/4[13]^3\langle 13\rangle^3\langle 36\rangle\langle 24\rangle[24]\ldots\langle\text{10 terms}\rangle\ldots-1/4\langle 46\rangle\langle 12\rangle\langle 23\rangle^2\langle 34\rangle[34][12][24][23])}{\langle 12\rangle^2[13\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle\langle 1|2+3|1]\langle 4|5+6|4]}+$$

$$\frac{-1/4[13]^2[25|\langle 13\rangle^2\langle 36\rangle\langle 24\rangle^2[24]\ldots\langle\text{35 terms}\rangle\ldots+1/4[13][25]\langle 46\rangle\langle 13\rangle\langle 23\rangle^2\langle 24\rangle[24][23]}{\langle 12\rangle^2[13\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 1|2+3|1]}+$$

$$\frac{-1/4\langle 46\rangle\langle 13\rangle\langle 24\rangle[12]^2[45]}{\langle 12\rangle[13\rangle\langle 2|1+3|2\rangle\langle 4|5+6|4]^2}+$$

$$\frac{-3/4\langle 46\rangle\langle 3|1+2|4][45]\langle 34\rangle^2}{\langle 14\rangle\langle 23\rangle\langle 2|1+3|4\rangle\langle 4|5+6|4]^2}+$$

$$\frac{-1/4\langle 46\rangle^2\langle 13\rangle\langle 23\rangle[12][24]}{\langle 12\rangle\langle 56\rangle\langle 2|1+3|2]^2\langle 4|5+6|4]}+$$

$$\frac{\langle 13\rangle[12]\langle 2\langle 46\rangle\langle 13\rangle^2[13]^2[45]\ldots\langle\text{11 terms}\rangle\ldots-5/4\langle 13\rangle\langle 24\rangle\langle 26\rangle[12][23][45])}{\langle 12\rangle^2[14][23]\langle 56\rangle[56]\langle 2|1+3|2\rangle\langle 4|5+6|4]}+$$

$$\frac{3/4\langle 13\rangle^2\langle 23\rangle[34\rangle\langle 24\rangle^2\langle 26\rangle[12]^2[23][45]\ldots\langle\text{51 terms}\rangle\ldots+7/2\langle 23\rangle^4\langle 36\rangle[34\rangle\langle 34\rangle[35][23]^3}{\langle 12\rangle^2[13\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 2|1+3|4]\langle 4|5+6|4]}+$$

$$\frac{7/2[13]^2[25|\langle 13\rangle^2\langle 14\rangle\langle 36\rangle\langle 24\rangle[14]\ldots\langle\text{134 terms}\rangle\ldots+3/4[13]\langle 46\rangle\langle 13\rangle\langle 23\rangle^2\langle 34\rangle[24][35][23]}{\langle 12\rangle^2[13\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]\langle 4|5+6|4]}+$$

$$\frac{-7/4\langle 23\rangle^2[25]^2 s_{123}}{\langle 12\rangle[56]\langle 2|1+3|2]^2\langle 2|1+3|4]}+$$

$$\frac{-21/4\langle 24\rangle[25]^2(s_{13}-s_{24})[12]^2}{[13][23][56]\langle 2|1+3|2\rangle\langle 2|5+6|2]^2}+$$

$$\frac{-7/4\langle 46\rangle\langle 26\rangle[12]^2[24](s_{13}-s_{24})}{[13][23]\langle 56\rangle\langle 2|1+3|2]\langle 2|5+6|2]\langle 2|1+3|4]}+$$

$$\frac{5/2(s_{13}-s_{24})[25]\langle 2|1+3|5][12]^2}{[13][23][56]\langle 2|1+3|2]\langle 2|5+6|2]\langle 2|1+3|4]}+$$

$$\frac{-3/4[15][25]\langle 24\rangle[12][24](s_{13}-s_{24})}{[13][23][56]\langle 2|1+3|2]\langle 2|5+6|2]\langle 2|1+3|4]}+$$

$$\frac{21/4\langle 24\rangle[25]^2[12]^2}{[13][23][56]\langle 2|1+3|2]\langle 2|5+6|2]}+$$

$$\frac{7/4\langle 12\rangle^3\langle 36\rangle[14][12]^3[35]\ldots\langle\text{40 terms}\rangle\ldots+3/4\langle 23\rangle^2\langle 24\rangle\langle 26\rangle[12][24]^2[35][23]}{\langle 12\rangle^2[13][14][23]\langle 56\rangle[56]\langle 2|1+3|2]\langle 2|1+3|4]}+$$

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

$$\frac{-69/4[13][25]\langle 12\rangle^2\langle 36\rangle\langle 34\rangle[12]\ldots\langle\text{68 terms}\rangle\ldots-41/4[13]\langle 13\rangle\langle 23\rangle\langle 36\rangle\langle 34\rangle[35][23]}{\langle 12\rangle^2[13\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 56\rangle[56]}+$$

$$\frac{-489/16\langle 12\rangle[35]\langle 36\rangle\langle 34\rangle^2\ldots\langle\text{10 terms}\rangle\ldots-17/8\langle 46\rangle\langle 13\rangle\langle 23\rangle\langle 34\rangle[35]}{\langle 12\rangle^2[13\rangle\langle 14\rangle\langle 23\rangle\langle 56\rangle[56]}+$$

$$\frac{-373/16[13][25]\langle 46\rangle\langle 23\rangle[24]\ldots\langle\text{10 terms}\rangle\ldots+99/2[13]\langle 13\rangle\langle 36\rangle[12][35]}{\langle 12\rangle^2[13][14][23]\langle 56\rangle[56]}+$$

$$\frac{-611/16\langle 12\rangle[15]\langle 36\rangle[12]\ldots\langle\text{6 terms}\rangle\ldots+431/16[35]\langle 23\rangle\langle 36\rangle[12]}{\langle 12\rangle^2[13][14]\langle 56\rangle[56]}+$$

$$\frac{-1549/48\langle 46\rangle\langle 13\rangle[13][25]\ldots\langle\text{6 terms}\rangle\ldots+7\langle 46\rangle[35][24]\langle 34\rangle}{\langle 12\rangle^2[13][23]\langle 56\rangle[56]}+$$

$$\frac{-3/4[15]\langle 46\rangle\langle 13\rangle\langle 34\rangle[12]}{\langle 12\rangle\langle 23\rangle[23]\langle 56\rangle[56]\langle 4|2+3|1]}+$$

$$\frac{-9/4\langle 46\rangle[15][12]^2\langle 34\rangle}{[13\rangle\langle 23\rangle[23]\langle 56\rangle[56]\langle 4|2+3|1]}$$