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

$$\frac{-6[12]^2\langle 13\rangle[15]^2}{[13][14][56]\langle 1|2{+}3|1]^2}+$$

$$\frac{1/2\langle 13\rangle^2\langle 34\rangle[45]\langle 46\rangle\langle 4|2{+}3|1]}{\langle 12\rangle\langle 14\rangle\langle 23\rangle\langle 1|2{+}3|1]\langle 4|5{+}6|4]^2}+$$

$$\frac{1/2\langle 13\rangle[24][45]\langle 46\rangle\langle 4|2{+}3|1]}{\langle 12\rangle[34]\langle 1|2{+}3|1]\langle 4|5{+}6|4]^2}+$$

$$\frac{1/2[12][24][45]\langle 46\rangle\langle 4|1{+}3|2]}{[23][34]\langle 1|2{+}3|1]\langle 4|5{+}6|4]^2}+$$

$$\frac{[12]\langle 46\rangle(3/2[12]\langle 13\rangle\langle 14\rangle[34][35]\ldots\langle\!\langle 5\,\text{terms}\rangle\!\rangle\ldots-3/2\langle 12\rangle[13]\langle 14\rangle[24][25])}{\langle 12\rangle[13]\langle 14\rangle[23][34]\langle 1|2{+}3|1]\langle 4|5{+}6|4]}+$$

$$\frac{-3/2[12][13]\langle 14\rangle^2[23]\langle 36\rangle[45]}{\langle 12\rangle[13]\langle 14\rangle[23][34]\langle 1|2{+}3|1]\langle 4|5{+}6|4]}+$$

$$\frac{[12][45][24][13]\langle 46\rangle(-3/2\langle 12\rangle[12]+3/2\langle 34\rangle[34])}{\langle 12\rangle[13][14][23][34]\langle 1|2{+}3|1]\langle 4|5{+}6|4]}+$$

$$\frac{3/2[12]^2[23]\langle 24\rangle[24]\langle 26\rangle[45]}{\langle 12\rangle[13][14][23][34]\langle 1|2{+}3|1]\langle 4|5{+}6|4]}+$$

$$\frac{\langle 13\rangle^2[13](-7\langle 13\rangle[13]^2[23][24][45]\langle 46\rangle\ldots\langle\!\langle 6\,\text{terms}\rangle\!\rangle\ldots-5/2[12][13]\langle 14\rangle[24]^2\langle 26\rangle[35])}{\langle 12\rangle[13]\langle 14\rangle[14][23][34]\langle 56\rangle[56]\langle 1|2{+}3|1]\langle 1|2{+}3|4]}+$$

$$\frac{[12](3/2\langle 23\rangle^2[23]^2[24][35]\langle 46\rangle\ldots\langle\!\langle 52\,\text{terms}\rangle\!\rangle\ldots+3/2\langle 12\rangle[13]\langle 14\rangle[14][24][25]\langle 46\rangle)}{\langle 12\rangle[13]\langle 14\rangle[14][23][34]\langle 56\rangle[56]\langle 1|2{+}3|1]}+$$

$$\frac{3\langle 13\rangle\langle 34\rangle^2[45]\langle 46\rangle}{\langle 12\rangle\langle 14\rangle\langle 23\rangle\langle 4|5{+}6|4]^2}+$$

$$\frac{\langle 46\rangle[13](-1[12]\langle 13\rangle^3[14][34]^2\langle 46\rangle\ldots\langle\!\langle 8\,\text{terms}\rangle\!\rangle\ldots+6[12]\langle 13\rangle^2\langle 23\rangle[24][34]^2\langle 46\rangle)}{\langle 12\rangle[13]\langle 14\rangle[14]\langle 23\rangle[23][34]\langle 56\rangle\langle 1|2{+}3|4]\langle 4|5{+}6|4]}+$$

$$\frac{-6\langle 23\rangle[45]^2\langle 4|1{+}3|2]}{\langle 12\rangle[34][56]\langle 2|1{+}3|4]\langle 4|5{+}6|4]}+$$

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

$$\frac{-1/2[23]\langle 3|1{+}2|5]^2}{\langle 12\rangle[34][56]\langle 3|1{+}2|3]^2}+$$

$$\frac{9/2[12][35]\langle 3|1{+}2|5]}{\langle 12\rangle[13][34][56]\langle 3|1{+}2|3]}+$$

$$\frac{-1[25]\langle 3|1{+}2|5]}{\langle 12\rangle[34][56]\langle 3|1{+}2|3]}+$$

$$\frac{21/2\langle 34\rangle\langle 36\rangle^2 s_{123}}{\langle 12\rangle\langle 23\rangle\langle 56\rangle\langle 3|5{+}6|3]^2}+$$

$$\frac{7/2[35]\langle 36\rangle\langle 4|1{+}2|3]s_{123}}{\langle 1|2{+}4|3]\langle 2|1{+}4|3]^2\langle 3|5{+}6|3]}+$$

$$\frac{s_{123}[35](5/2\langle 14\rangle\langle 36\rangle-7/2\langle 13\rangle\langle 46\rangle)}{\langle 12\rangle\langle 1|2{+}4|3]\langle 2|1{+}4|3]\langle 3|5{+}6|3]}+$$

$$\frac{s_{123}[35](-1\langle 34\rangle[45]-5/2\langle 13\rangle[15])}{\langle 12\rangle[34][56]\langle 2|1{+}4|3]\langle 3|5{+}6|3]}+$$

$$\frac{-5/2\langle 13\rangle[25][35]s_{123}}{\langle 12\rangle[34][56]\langle 1|2{+}4|3]\langle 3|5{+}6|3]}+$$

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

$$\frac{-21/2\langle 24\rangle\langle 26\rangle\langle 36\rangle s_{123}}{\langle 12\rangle\langle 23\rangle\langle 56\rangle\langle 2|1{+}4|3]^2}+$$

$$\frac{7/4\langle 13\rangle[35]\langle 3|1{+}4|2](s_{123}-s_{234})\langle 16\rangle(s_{13}-s_{24})}{\langle 14\rangle\langle 1|2{+}3|4]^2\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{49/32\langle 3|1{+}4|2]\langle 6|1{+}4|5]s_{123}(s_{124}-s_{134})(s_{123}-s_{234})}{\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta^2_{14|23|56}}+$$

$$\frac{-21/8\langle 13\rangle\langle 23\rangle[23]\langle 34\rangle\langle 6|1{+}4|5](s_{124}-s_{134})}{\langle 14\rangle\langle 23\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 13\rangle\langle 46\rangle(s_{124}-s_{134})(s_{23}-s_{56})(7/16\langle 13\rangle[15]+21/16\langle 23\rangle[25]+7/8\langle 34\rangle[45])}{\langle 14\rangle\langle 23\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-35/8\langle 13\rangle[35]\langle 46\rangle\langle 3|1{+}4|2](s_{23}-s_{56})}{\langle 14\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{(s_{124}-s_{134})(s_{23}-s_{56})(-7/8[23]\langle 34\rangle\langle 36\rangle[45]+7/8\langle 13\rangle[13][25]\langle 36\rangle+7/8\langle 12\rangle[12][25]\langle 36\rangle+7/8\langle 23\rangle[24][25]\langle 46\rangle)}{\langle 14\rangle[14]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 13\rangle\langle 46\rangle(s_{124}-s_{134})(s_{23}-s_{56})(-7/16\langle 34\rangle[34]\langle 36\rangle-7/16\langle 24\rangle[24]\langle 36\rangle+7/8\langle 13\rangle[14]\langle 46\rangle)}{\langle 14\rangle\langle 23\rangle\langle 56\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/8\langle 13\rangle[34]\langle 46\rangle^2\langle 3|1{+}4|2](s_{23}-s_{56})}{\langle 14\rangle\langle 56\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{7/8[12]\langle 23\rangle[24]\langle 6|1{+}4|5](s_{124}-s_{134})}{[14]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{7/16[12][45](s_{124}-s_{134})\langle 36\rangle(s_{23}-s_{56})}{[14]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/16[12][24][45]\langle 46\rangle(s_{124}-s_{134})(s_{23}-s_{56})}{[14][23]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/8[12][35][45]\langle 3|1{+}4|2]s_{123}(s_{23}-s_{56})}{[14][23][56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{7/16[12]\langle 34\rangle[45]^2(s_{124}-s_{134})(s_{23}-s_{56})}{[14][56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/16\langle 36\rangle\langle 46\rangle[56]\langle 3|1{+}2|4](s_{124}-s_{134})}{\langle 23\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{21/16\langle 34\rangle[45]\langle 46\rangle\langle 3|1{+}2|4](s_{124}-s_{134})}{\langle 23\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-21/16\langle 36\rangle\langle 3|1{+}2|5]\langle 4|2{+}3|4](s_{124}-s_{134})}{\langle 23\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{(s_{124}-s_{134})\langle 36\rangle(s_{14}-s_{56})(-21/32\langle 24\rangle[24]^2\langle 46\rangle\ldots\langle\!\langle 5\,\text{terms}\rangle\!\rangle\ldots-7/32[12]\langle 14\rangle[34]\langle 36\rangle)}{\langle 23\rangle[23]\langle 56\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{[34]\langle 3|1{+}4|2]\langle 36\rangle(s_{14}-s_{56})(-21/16\langle 34\rangle[34]\langle 46\rangle-21/16[13]\langle 14\rangle\langle 36\rangle)}{\langle 23\rangle[23]\langle 56\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 34\rangle(s_{124}-s_{134})[45](s_{14}-s_{56})(21/16[24]\langle 34\rangle[35]+21/32\langle 24\rangle[24][25]-7/32[23]\langle 34\rangle[45])}{\langle 23\rangle[23][56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{21/16\langle 34\rangle^2[34][35][45]\langle 3|1{+}4|2](s_{14}-s_{56})}{\langle 23\rangle[23][56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/8\langle 46\rangle^2\langle 3|1{+}2|4]^2(s_{124}-s_{134})}{\langle 23\rangle\langle 56\rangle\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/16[24][25]\langle 46\rangle s_{123}(s_{124}-s_{134})}{[23]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/8[24][25]\langle 4|1{+}6|5]s_{123}(s_{124}-s_{134})}{[23][56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 14\rangle[24][12](s_{124}-s_{134})(-7/16[25]\langle 26\rangle-7/16[35]\langle 36\rangle+7/16[45]\langle 46\rangle)}{[23]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{[25](s_{124}-s_{134})(s_{14}-s_{56})(-7/32[24]\langle 46\rangle-21/32[12]\langle 16\rangle)}{[23]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

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

$$\frac{(s_{124}-s_{134})(s_{14}-s_{56})(-35/32\langle 24\rangle[24]^2[25]\langle 46\rangle\ldots\langle\!\langle 3\,\text{terms}\rangle\!\rangle\ldots+35/32[12]^2\langle 14\rangle\langle 16\rangle[45])}{[23]\langle 56\rangle[56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{\langle 3|1{+}4|2](-539/16[23]\langle 24\rangle^2[24]^2[35]\langle 36\rangle\ldots\langle\!\langle 59\,\text{terms}\rangle\!\rangle\ldots-7/8\langle 23\rangle[23]\langle 24\rangle[24]^2[35]\langle 46\rangle)}{[23]\langle 56\rangle[56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{[25][24](s_{14}-s_{56})(-7/16[13]\langle 14\rangle\langle 34\rangle[45]-7/8\langle 12\rangle[13][25]\langle 34\rangle-7/8\langle 12\rangle[12]\langle 24\rangle[25])}{[23][56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{(s_{124}-s_{134})(35/32\langle 14\rangle^2[14]^2[25]\langle 36\rangle\ldots\langle\!\langle 59\,\text{terms}\rangle\!\rangle\ldots-217/64\langle 13\rangle[13]\langle 23\rangle[23][25]\langle 36\rangle)}{\langle 56\rangle[56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{7/8\langle 13\rangle[13]\langle 14\rangle^2[14]^2[25]\langle 36\rangle\ldots\langle\!\langle 45\,\text{terms}\rangle\!\rangle\ldots+7/16[12]\langle 13\rangle^2[13][23]\langle 24\rangle\langle 36\rangle[45]}{\langle 56\rangle[56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{119/16[12]^2\langle 13\rangle^2\langle 24\rangle^2[24]\langle 26\rangle[34]^2[35]\ldots\langle\!\langle 111\,\text{terms}\rangle\!\rangle\ldots-119/16\langle 13\rangle[13]\langle 23\rangle^2[23]^2\langle 34\rangle[34]^2[45]\langle 46\rangle}{\langle 12\rangle[13]\langle 14\rangle[14]\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 1|2{+}3|4]\langle 2|1{+}4|3]}+$$

$$\frac{-7/8\langle 34\rangle\langle 46\rangle\langle 3|1{+}4|5](s_{124}-s_{134})}{\langle 14\rangle\langle 23\rangle\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{7/2\langle 23\rangle\langle 34\rangle[35]\langle 46\rangle\langle 3|1{+}4|2]}{\langle 14\rangle\langle 23\rangle\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/8[12][15]\langle 36\rangle(s_{124}-s_{134})}{[14]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{7/8[12][25]\langle 6|2{+}3|1](s_{124}-s_{134})}{[14][23]\langle 2|1{+}4|3]\Delta_{14|23|56}}+$$

$$\frac{-7/2\langle 16\rangle[35]\langle 4|1{+}3|2]s_{123}}{\langle 12\rangle[23]\langle 56\rangle[56]\langle 1|2{+}4|3]\langle 2|1{+}4|3]}+$$

$$\frac{-7/2\langle 13\rangle^2[13]^3\langle 23\rangle[24][35]\langle 46\rangle\ldots\langle\!\langle 141\,\text{terms}\rangle\!\rangle\ldots-119/16\langle 12\rangle[12]^2\langle 23\rangle^2[23]^2\langle 26\rangle[35]}{\langle 12\rangle[13]\langle 14\rangle[14]\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 2|1{+}4|3]}+$$

$$\frac{7/4\langle 13\rangle\langle 16\rangle[25]\langle 3|1{+}4|2](s_{123}-s_{234})}{\langle 14\rangle\langle 1|2{+}3|4]^2\Delta_{14|23|56}}+$$

$$\frac{7[12]\langle 13\rangle\langle 16\rangle[24][45]}{\langle 14\rangle[14][34]\langle 1|2{+}3|4]^2}+$$

$$\frac{-6[12]\langle 16\rangle[35]\langle 1|3{+}4|2]s_{123}}{\langle 12\rangle[13][23]\langle 56\rangle[56]\langle 1|2{+}4|3]\langle 1|2{+}3|4]}+$$

$$\frac{359/16\langle 12\rangle^2[12]^2\langle 14\rangle[14][24][35]\langle 36\rangle\ldots\langle\!\langle 232\,\text{terms}\rangle\!\rangle\ldots+7/2\langle 23\rangle[23][24]\langle 34\rangle^2[34]^2[35]\langle 36\rangle}{\langle 12\rangle[13]\langle 14\rangle[14]\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 1|2{+}3|4]}$$