```
\frac{-6 [13] \langle 26 \rangle [35] \langle 24 \rangle^2 (s_{124} + s_{134} + s_{23} - s_{14}) (s_{124} - s_{134}) [34]}{\langle 2|1 + 4|3|^5} +
                                                                                                                                                                                                                                                                                            \langle 24 \rangle \langle 26 \rangle [24] [13]^2 [35] (s_{124} - s_{134}) \langle 12 \rangle (12[12] \langle 24 \rangle \langle 13 \rangle + 6 \langle 14 \rangle \langle 34 \rangle [14] + 6 \langle 23 \rangle [23] \langle 34 \rangle + 12[34] \langle 34 \rangle^2) + 6 \langle 14 \rangle \langle 14 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{\sqrt{(12|12)(2-1)(2-1)}}{(2|1+4|3]^4\Delta_{14|23|56}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \langle 24 \rangle \langle 26 \rangle [13] [35] (6 \langle 24 \rangle^2 [24]^2 \dots \langle 4 \text{ terms} \rangle \dots + 18 \langle 12 \rangle [12] \langle 24 \rangle [24])_{\perp}
                                                                                                                                                                                                                                                                                                                                          9/8(s_{13}+s_{23}+s_{34})(s_{13}-s_{24})\langle 26\rangle[35]s_{14}\langle 4|2+3|1](s_{124}-s_{134})(s_{25}+s_{26}+s_{35}+s_{36})
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (2|1+4|3]^3\Delta^2_{14|23|56}
                                                                                                                                                                                                                                                                                                                                                                              [35]\langle 26\rangle\langle 4|2+3|1|(-30[13][24]\langle 12\rangle\langle 34\rangle^2[34]\dots\langle (8\,\mathrm{terms})\rangle\dots+9\langle 14\rangle[13]^2[14]\langle 13\rangle^2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (2|1+4|3]^3\Delta_{14|23|56}
                                                                                                                                                                                                                                                                                                                       \frac{[35]\langle 26\rangle(s_{124}-s_{134})(15/2\langle 14\rangle[14][12]\langle 34\rangle\langle 24\rangle[34]\dots\langle 9\,\text{terms}\rangle\dots -9[23]\langle 12\rangle[12]^2\langle 24\rangle\langle 23\rangle)}{\langle 2|1+4|3]^3\Delta_{14|23|56}} + \frac{(35)(26)(s_{124}-s_{134})(15/2\langle 14\rangle[14])[12](34)\langle 24\rangle[34]\dots\langle 9\,\text{terms}\rangle\dots -9[23]\langle 12\rangle[12]^2\langle 24\rangle(23))}{\langle 2|1+4|3|^3\Delta_{14|23|56}} + \frac{(35)(26)(s_{124}-s_{134})(15/2\langle 14\rangle[14])[12](34)\langle 24\rangle[34]\dots\langle 9\,\text{terms}\rangle\dots -9[23]\langle 12\rangle[12]^2\langle 24\rangle(23))}{\langle 2|1+4|3|^3\Delta_{14|23|56}} + \frac{(35)(s_{124}-s_{134})(15/2\langle 14\rangle[14])[12](34)\langle 24\rangle[34]\dots\langle 9\,\text{terms}\rangle\dots -9[23]\langle 12\rangle[12]^2\langle 24\rangle(23))}{\langle 2|1+4|3|^3\Delta_{14|23|56}} + \frac{(35)(s_{124}-s_{134})(15/2\langle 14\rangle[14])(15/2\langle 14\rangle[14])}{\langle 2|1+4|3|^3\Delta_{14|23|56}} + \frac{(35)(s_{124}-s_{134})(15/2\langle 14\rangle[14])(15/2\langle 14\rangle[14])}{\langle 2|1+4|3|^3\Delta_{14|23|56}} + \frac{(35)(s_{124}-s_{134})(15/2\langle 14\rangle[14])}{\langle 2|1+4|3|^3\Delta_{14|23|56}} + \frac{(35)(s_{124}-s_{124})(15/2\langle 14\rangle[14])}{\langle 2|1+4|3|3|^3\Delta_{14|23|56}} + \frac{(35)(s_{124}-s_{124})(s_{124}-s_{124})(s_{124}-s_{124})(s_{124}-s_{124})(s_{124}-s_{124}-s_{124}-s_{124})(s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_{124}-s_
                                                                                                                                                                                                                                                                                                                                                                                                                                                  \frac{\langle 26 \rangle (s_{13} - s_{24}) (-4 \langle 23 \rangle^2 \langle 26 \rangle [23]^3 \ldots \langle\!\langle 3 \operatorname{terms} \rangle\!\rangle \ldots -6 \langle 16 \rangle [13]^3 \langle 13 \rangle^2)}{\langle 56 \rangle \langle 112 + 3|4| \langle 2|1 + 4|3|^3} + \frac{\langle 26 \rangle (s_{13} - s_{24}) (-4 \langle 23 \rangle^2 \langle 26 \rangle [23]^3 \ldots \langle\!\langle 3 \operatorname{terms} \rangle\!\rangle \ldots -6 \langle 16 \rangle [13]^3 \langle 13 \rangle^2)}{\langle 56 \rangle \langle 112 + 3|4| \langle 2|1 + 4|3|^3} + \frac{\langle 26 \rangle (s_{13} - s_{24}) (-4 \langle 23 \rangle^2 \langle 26 \rangle [23]^3 \ldots \langle\!\langle 3 \operatorname{terms} \rangle\!\rangle \ldots -6 \langle 16 \rangle [13]^3 \langle 13 \rangle^2)}{\langle 56 \rangle \langle 112 + 3|4| \langle 2|1 + 4|3|^3} + \frac{\langle 26 \rangle (s_{13} - s_{24}) (-4 \langle 23 \rangle^2 \langle 26 \rangle (s_{13} - s_{24}) (s
                                                                                                                                                                                                                                                                                                                                                                                                                                                        \frac{\langle 26\rangle\langle 24\rangle(-6\langle 12\rangle[12]^2\langle 16\rangle[13]\ldots\langle\!\langle 17\,\mathrm{terms}\rangle\!\rangle\ldots+6[13]\langle 46\rangle\langle 24\rangle[24]^2)}{\langle 56\rangle\langle 2|1+4|3|^3}+
                                                                                                                                                                                                                                                                                                                                                               \frac{[12][35]\langle 24\rangle^2[45](6\langle 12\rangle[12]+12\langle 24\rangle[24])}{[56]\langle 2|1+4|3]^3}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{6[23][35]^2[12]\langle 24\rangle\langle 23\rangle^2}{[56]\langle 2|1+4|3|^3}+
                                                                                                                                                                                                                                                          \langle 3|1+4|2|(s_{25}+s_{26}+s_{35}+s_{36})\langle 4|2+3|1|(3[13]^2[35]\langle 26\rangle\langle 13\rangle^2\ldots\langle\!\langle 8\,\mathrm{terms}\rangle\!\rangle\ldots+3/4\langle 46\rangle\langle 12\rangle^2[35][14][12]\rangle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \Delta^2_{14|23|56}\langle 2|1+4|3|^2
                                                                                                                                                                                                                                                    \langle 3|1+4|2|\langle 4|2+3|1|(s_{124}-s_{134})(-3/2\langle 26\rangle|35|[12]\langle 24\rangle\langle 13\rangle|34|\dots\langle 3\,\text{terms}\rangle\dots-3/2\langle 26\rangle|23|^2[45]\langle 24\rangle\langle 23\rangle)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{\Delta^2_{14|23|56}\langle 2|1+4|3|^2}{\Delta^2_{14|23|56}\langle 2|1+4|3|^2}
                                                                                                                                                                              \frac{(s_{25} + s_{26} + s_{35} + s_{36})\langle 4|2 + 3|1](s_{124} - s_{134})(-9/4\langle 46)[24]\langle 12\rangle[35][14]\langle 34\rangle + 9/4\langle 14\rangle[13]\langle 26\rangle[45][12]\langle 13\rangle)}{\Delta_{14}^2|23|56}\langle 2|1 + 4|3|^2} + \frac{(s_{25} + s_{26} + s_{35} + s_{36})\langle 4|2 + 3|1](s_{124} - s_{134})(-9/4\langle 46\rangle[24]\langle 12\rangle[35][14]\langle 34\rangle + 9/4\langle 14\rangle[13]\langle 26\rangle[45][12]\langle 13\rangle)}{\Delta_{14}^2|23|56}\langle 2|1 + 4|3|^2
                                                                                                                                                                                                                                                                                                                                                                                        \frac{5/2\langle 46\rangle[35][12]^2\langle 24\rangle\langle 13\rangle\langle 23\rangle[34]\ldots\langle 45\,\mathrm{terms}\rangle\ldots+9\langle 46\rangle[23]\langle 12\rangle[35][12]^2\langle 23\rangle^2}{\langle 2|1+4|3|^2\Delta_{14|23|56}}+
                                                                                                                                                                                                                                                                                                                                                            \frac{-42[13][24]^2\langle 12\rangle[35]\langle 34\rangle\langle 36\rangle\langle 24\rangle\dots\langle\!\langle 77\,\mathrm{terms}\rangle\!\rangle\dots+485\langle 46\rangle\langle 12\rangle[35][12]^2\langle 13\rangle\langle 23\rangle[34]}{\langle 56\rangle[56]\langle 1[2+3]4]\langle 2]1+4|3]^2}+\frac{-42[13][24]^2\langle 12\rangle[35][34]^2\langle 13\rangle\langle 23\rangle[34]}{\langle 56\rangle[56]\langle 1[2+3]4]\langle 2]1+4|3]^2}
                                                                                                                       \langle 3|1+4|2|(s_{25}+s_{26}+s_{35}+s_{36})\langle 4|2+3|1|(135/16[13][24]^2\langle 12\rangle[35]\langle 34\rangle\langle 36\rangle\langle 24\rangle\dots \\ \langle 34\,\text{terms}\rangle \dots -15/4[13]^2\langle 46\rangle[23][45]\langle 13\rangle^2\langle 23\rangle) = (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.5)^2 + (3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \langle 2|1+4|3]\Delta^3_{14|23|56}
                                                                         \langle 2|1+4|3]\Delta^3_{14|23|56}
\frac{(s_{123} - s_{234})(s_{25} + s_{26} + s_{35} + s_{36})(s_{124} - s_{134})(-15/32\langle 46\rangle[24]|35||14]\langle 34\rangle^3[34] - 15/32[23]\langle 12\rangle[35||12|^2\langle 34\rangle\langle 36\rangle\langle 23\rangle + 15/32\langle 46\rangle\langle 12\rangle^2[12]^3[25]\langle 23\rangle)}{\langle 2|1+4|3|\Delta_{14}^3|23|56} + \frac{(s_{123} - s_{234})(s_{123} + s_{26} + s_{35} + s_{36})(s_{124} - s_{134})(-15/32\langle 46\rangle[24]|35||14\rangle\langle 34\rangle^3[34] - 15/32[23]\langle 12\rangle[35||12|^2\langle 34\rangle\langle 36\rangle\langle 23\rangle + 15/32\langle 46\rangle\langle 12\rangle^2[12]^3[25]\langle 23\rangle)}{\langle 2|1+4|3|\Delta_{14}^3|23||56\rangle} + \frac{(s_{123} - s_{234})(s_{123} + s_{26} + s_{35} + s_{36})(s_{124} - s_{134})(-15/32\langle 46\rangle[24]|35||14\rangle\langle 34\rangle^3[34] - 15/32[33]\langle 12\rangle[35||12\rangle^2(34)\langle 36\rangle\langle 23\rangle + 15/32\langle 46\rangle\langle 12\rangle^2[12]^3[25]\langle 12\rangle(34)\langle 12\rangle(34)\langle
                                                                                                                                                                                                                                                                                               -4355/3[13]\langle 46\rangle[24]^3[35]\langle 34\rangle^2\langle 24\rangle\langle 23\rangle\dots\langle 180\,\mathrm{terms}\rangle\rangle\dots+75/8[23]^2\langle 12\rangle[35][12]^2\langle 34\rangle\langle 36\rangle\langle 23\rangle^2=-2355/3[13]\langle 46\rangle[24]^3[35]\langle 46\rangle[24]^3[35]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36]^3[36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \frac{3}{\langle 2|1+4|3]}\Delta^2_{14|23|56}
                                                                                                                                                                                                                                                                                                                                    \frac{-432997/432\langle 46\rangle[24][35][12]\langle 34\rangle\langle 23\rangle\ldots\langle 19\,\mathrm{terms}\rangle\ldots -3725/12[13][23]\langle 34\rangle\langle 36\rangle[25]\langle 23\rangle}{\langle 2|1+4|3|\Delta_{14}|23|56}+
                                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{-44[25]\langle 14\rangle^2\langle 36\rangle[14]^2\ldots\langle\!\langle 32\,\mathrm{terms}\rangle\!\rangle\ldots+183/2\langle 46\rangle[24]\langle 12\rangle[45][12]\langle 34\rangle}{\langle 56\rangle[56]\langle 1[2+3]4|\langle 2]1+4|3|}+\frac{-44[25]\langle 14\rangle^2\langle 36\rangle[14]^2\ldots\langle\!\langle 36\rangle[14]^2\ldots,\langle\!\langle 36
                                                                                                                                                                            \langle 3|1+4|2|(s_{25}+s_{26}+s_{35}+s_{36})\langle 4|2+3|1|(385/8[25]\langle 14\rangle^2\langle 36\rangle[14]^2\ldots \\ \langle 30\,\mathrm{terms}\rangle \ldots +2285/72\langle 46\rangle[24][35][12]\langle 13\rangle\langle 23\rangle) \ . 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \Delta^3_{14|23|56}
                                                                                                                                                                  \underline{[12]\langle 13\rangle(s_{25}+s_{26}+s_{35}+s_{36})\langle 4|2+3|1](s_{124}-s_{134})(-145/32[25]\langle 46\rangle\langle 23\rangle[24]\dots\langle 4\,\text{terms}\rangle\dots -545/32[25]\langle 12\rangle[12]\langle 36\rangle)}\ .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \Delta^3_{14|23|56}
                                                                                                                                         \underline{\langle 3|1+4|2|(s_{25}+s_{26}+s_{35}+s_{36})(s_{123}-s_{234})(-15/32[13]\langle 46\rangle[24]\langle 34\rangle[25]\langle 23\rangle\dots\langle 6\,\text{terms}\rangle\dots+15/32[23][35][12]\langle 34\rangle\langle 36\rangle\langle 23\rangle)}.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \Delta^3_{14|23|56}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (123456 \rightarrow \overline{432165}) +
                                                                                                                                                                                                                                                                                                                                                                        \frac{15/8s_{56}(s_{13}-s_{24})s_{23}s_{14}(4|2+3|1](6|1+4|5](s_{124}-s_{134})(s_{25}+s_{26}+s_{35}+s_{36})}{\Delta^3_{14|23|56}(2|1+4|3|^2}+
                                                                                                                                                                                                                                                                                         \frac{105/128s_{56}s_{23}s_{14}\langle 3|1+4|2]\langle 4|2+3|1](s_{123}-s_{234})\langle 6|1+4|5](s_{124}-s_{134})(s_{25}+s_{26}+s_{35}+s_{36})}{\Delta_{14|23|56}^4\langle 2|1+4|3|}
```