```
\frac{1+3|5|(s_{14}-s_{23})[24](s_{124}-s_{234})\langle 14\rangle}{\Delta_{13}|24|56}\langle 1|2+4|3|^2\langle 2|1+3|4|}+
                                                               1/8(6|1+3|5](s_{14}-
                                                                                           \frac{-5/12\langle 6|1+5|3][23]\langle 16\rangle[24]}{[34]^2\langle 56\rangle\langle 1|2+4|3]^2}+
                                                                                                 \frac{-5/3[23]^2\langle 16\rangle\langle 6|1+5|4]}{[34]^2\langle 56\rangle\langle 1|2+4|3]^2} +
                                                                                                      \frac{2[23]^2\langle 16\rangle\langle 26\rangle[24]}{[34]^2\langle 56\rangle\langle 1|2+4|3]^2} +
                                                                                          \frac{3/2[23]^2\langle 24\rangle\langle 36\rangle[24]\langle 16\rangle}{[34]\langle 56\rangle\langle 1|2+4|3]^2\langle 3|2+4|3|} + \\
                                                             \frac{-1/8(s_{123}-s_{134})\langle 6|1+3|5|\langle 23\rangle(s_{14}-s_{23})|24|}{\Delta_{13|24|56}\langle 1|2+4|3|\langle 2|1+3|4|^2}+
                                                                               \frac{1/4[13]\langle 26\rangle[35](s_{\climath{14}}-s_{\climath{23}})[24]^2}{[13][34]^2\langle 56\rangle[56]\langle 1|2+4|3]\langle 2|1+3|4]} +
                                             \frac{-9/4[13]\langle 26\rangle[25][24]\ldots\langle\!\langle 5\,\mathrm{terms}\rangle\!\rangle\ldots-1/2[13]\langle 16\rangle[12][45]}{[13][34]\langle 1|2+4|3]\langle 2|1+3|4|}+
        \frac{7/4[13]\langle 26\rangle[12][24]\langle 16\rangle}{[13][34]\langle 56\rangle\langle 1|2+4|3]\langle 2|1+3|4|} +
                                                                          \frac{[13][45](2[14][25]\langle14\rangle-9/4[23]\langle34\rangle[45])}{[13][34][56]\langle1|2+4|3]\langle2|1+3|4|}+
                                                                                       \frac{-2[13][35][24]\langle 23\rangle[25]}{[13][34][56]\langle 1|2+4|3|\langle 2|1+3|4|} +
                                            \frac{-1/16\langle 46\rangle(s_{15}+s_{16}+s_{35}+s_{36})\langle 36\rangle[12](s_{135}-s_{136})[34]}{[13]\langle 56\rangle\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                       \frac{\frac{1/8\langle 46\rangle[34]\langle 6|1+3|5][12]\langle 35\rangle(s_{\textstyle 15}+s_{\textstyle 16}+s_{\textstyle 35}+s_{\textstyle 36})}{[13]\langle 56\rangle\Delta_{\textstyle 13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                                                  \frac{1/8\langle 6|1+3|5]\langle 24\rangle[12]^2\langle 13\rangle[34]}{[13]\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]} +
                  \frac{[12](s_{15}+s_{16}+s_{35}+s_{36})\langle 6|1+3|5|(3/8[14]\langle 14\rangle+1/8\langle 23\rangle[23]+1/4[12]\langle 12\rangle)}{[13]\Delta_{13}|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                                           \frac{-7/8\langle 46\rangle\langle 6|1+3|5](s_{13}\!-\!s_{24})[24]\langle 35\rangle}{\langle 56\rangle\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                                    \frac{7/16\langle 46\rangle(s_{13}-s_{24})\langle 36\rangle[24](s_{135}-s_{136})}{\langle 56\rangle\Delta_{13}[24]56\langle 1|2+4|3]\langle 2|1+3|4]}+
\frac{\langle 35\rangle \langle 46\rangle \langle 6|1+3|5|(-1/4|23)\langle 35\rangle |45|-1/4|23||46|\langle 36\rangle +1/4||35\rangle \langle 35\rangle |24|+1/4||36\rangle \langle 36\rangle |24|\rangle}{\langle 56\rangle \Delta}_{13|24|56} \langle 1|2+4|3\rangle \langle 2|1+3|4| \\ +\frac{\langle 35\rangle \langle 46\rangle \langle 6|1+3|5|(-1/4|23)\langle 35\rangle |45|-1/4||36\rangle \langle 36\rangle |24|\rangle}{\langle 56\rangle \Delta}_{13|24|56} \langle 1|2+4|3\rangle \langle 2|1+3|4|
                                                                        \frac{-1/8\langle 46\rangle\langle 3|1+4|2]\langle 36\rangle\langle s_{135}-s_{136}\rangle[34]}{\langle 56\rangle\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                         \frac{[25](s_{13}-s_{24})\langle 6|1+3|5](-1\langle 23\rangle[26]+9/8[46]\langle 34\rangle)}{[56]\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                            \frac{[25](s_{135} - s_{136})(s_{13} - s_{24})(-1/2\langle 23 \rangle [25] + 9/16\langle 34 \rangle [45])}{[56]\Delta_{13}[24]56\langle 1|2 + 4|3]\langle 2|1 + 3|4]} +
                                                          \frac{[46]\langle 34\rangle[25]\langle 6|1+3|5](-1/4[36]\langle 36\rangle-1/4\langle 35\rangle[35])}{[56]\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                                        \frac{-1/8\langle 3|1+2|4][35][25](s_{\mbox{\bf 135}}\!-\!s_{\mbox{\bf 136}})\langle 34\rangle}{[56]\Delta_{\mbox{\bf 13}]24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                     \frac{(s_{13} - s_{24})\langle 6|1 + 3|5|(11/8\langle 34\rangle[24] - 1/4\langle 35\rangle[25] + 7/16[26]\langle 36\rangle)}{\Delta_{13}|24|56\langle 1|2 + 4|3|\langle 2|1 + 3|4|} +
                           \frac{\langle 6|1+3|5|(1/2|36]\langle 35\rangle\langle 36\rangle[25]\dots\langle 19\,\mathrm{terms}\rangle\!\!\rangle\dots-1/4|23\rangle\langle 35\rangle[56]\langle 36\rangle\rangle}{\Delta_{13|24|56}\langle 1|2+4|3|\langle 2|1+3|4|}+
                   \frac{(s_{135} - s_{136})(-1/8[45][23]\langle 34\rangle\langle 36\rangle \ldots \langle\!\langle 3\, \text{terms} \rangle\!\rangle \ldots + 1/8[35]\langle 34\rangle\langle 36\rangle[24])}{\Delta_{13|24|56}(1|2+4|3]\langle 2|1+3|4|} + \\
                                                                                    \frac{-3/2[13]\langle 26\rangle[23]^2\langle 36\rangle[24]}{[13][34]^2\langle 56\rangle\langle 1|2+4|3]\langle 3|2+4|3]} + \\
                                                \frac{-8/3[23][35]\langle 36\rangle[24]\ldots\langle\!\langle 3\,\mathrm{terms}\rangle\!\rangle\ldots+2[23]\langle 16\rangle[12][45]}{[34]^2\langle 56\rangle[56]\langle 1|2+4|3]}+
                                            \frac{[23]\langle 36\rangle(3/2[13]\langle 46\rangle[24]+1/2\langle 46\rangle[12][34]-1/2[23][12]\langle 26\rangle)}{[13][34]\langle 56\rangle\langle 1|2+4|3|\langle 3|2+4|3|}+
                                                                                            \frac{-5/2[23]\langle 36\rangle\langle 6|1+5|2]}{|34|\langle 56\rangle\langle 1|2+4|3|\langle 3|2+4|3|} +
                                                                                           \frac{1/6[14]^2\langle 3|1+2|5]\langle 24\rangle[45]}{[34][56]\langle 2|3+4|1]\langle 2|1+3|4|^2} +
                                                                  \frac{\langle 23\rangle [45]^2[14](-1/12[13]\langle 34\rangle + 1/12[12]\langle 24\rangle)}{[34][56]\langle 2|3+4|1]\langle 2|1+3|4]^2} +
                                                                   \frac{[14][45](1/12\langle 23\rangle[35][24]+1/4[12][45]\langle 12\rangle)}{[34]^2[56]\langle 2|1+3|4|^2}+
                                                                                                   \frac{-7/12[14][45]\langle 23\rangle[25]}{[34][56]\langle 2|1+3|4]^2}+
                                                                                           \frac{-1/6[13][15]^2\langle 23\rangle\langle 3|1+2|4]}{[34][56]\langle 2|3+4|1]^2\langle 2|1+3|4|} +
                                                                                     \frac{1/6[13]^2[45][15]\langle 23\rangle[24]}{[13][34]^2[56]\langle 2|3+4|1]\langle 2|1+3|4]} +
                                                                         \frac{[14]\langle 26\rangle[24](-1/2\langle 26\rangle[12]-1/6[13]\langle 36\rangle)}{[34]^2\langle 56\rangle\langle 2|3+4|1]\langle 2|1+3|4]}+
                                                                          \frac{[14][12]\langle 26\rangle(1/2[14]\langle 46\rangle-1/4[13]\langle 36\rangle)}{[13][34]\langle 56\rangle\langle 2|3+4|1]\langle 2|1+3|4]}+
                                     \frac{[15](11/12[13][25]\langle 23\rangle[14]\dots\langle 4\,\mathrm{terms}\rangle \dots -1/4[14]^2[15]\langle 14\rangle)}{[13][34][56]\langle 2]3+4|1|\langle 2|1+3|4|} +
                                                                                            \frac{-1/12[14]^2\langle 46\rangle\langle 36\rangle}{[34]\langle 56\rangle\langle 2|3+4|1]\langle 2|1+3|4|} +
                                                                                             -5[13]^{2}[45]\langle 36\rangle[24]
                                                                                                      \frac{-1/6\langle 3|2\!+\!4|1][15]^2}{[34][56]\langle 2|3\!+\!4|1]^2}\!+\!
                                                                                   \frac{[14][15](1/3[12][35]{-1/3[13][25])}{[13][34]^2[56]\langle 2|3{+}4|1]} +
                                                                                                     \frac{-5/12[15]^2[12]}{[13][34][56]\langle 2|3+4|1|}
```