```
\frac{(24)[35](26)(s_{124}-s_{134})[13](6\langle14\rangle[24](24)[14]\dots(5\,\mathrm{terms})\dots+6[24]\langle12\rangle\langle24\rangle[12])}{\langle2|1+4|3|^4\Delta_{14}|23|56}+
                    [13][35]\langle 24\rangle(s_{124}-s_{134})(-18[13]\langle 36\rangle\langle 12\rangle^2[12]\langle 34\rangle[24]\ldots\langle 15\,\mathrm{terms}\rangle\ldots +9[23][34][12]\langle 13\rangle\langle 46\rangle\langle 23\rangle^2)
                                                                                                                                                          (2|1+4|3]^3\Delta^2_{14|23|56}
                                                           \frac{|35|[13](-96\langle23\rangle\langle34\rangle^2\langle46\rangle[34]^2\ldots\langle11\,terms\rangle\ldots-96[34]\langle13\rangle\langle34\rangle\langle23\rangle\langle46\rangle[13])}{\langle2|1+4|3]^3\Delta_{14}|23|56}+
                                                  \underline{[35]}(s_{124}-s_{134})(-18\langle 12\rangle\langle 34\rangle\langle 46\rangle[14][13]\ldots\langle\!\langle 6\,\mathrm{terms}\rangle\!\rangle\ldots+48[23]\langle 36\rangle\langle 23\rangle\langle 24\rangle[13])}_{+}
                                                                                                                                                           \sqrt{(2|1+4|3]^3}\Delta_{14|23|56}
                                                            [35](-60\langle 14\rangle [35][34]\langle 34\rangle [14]\langle 24\rangle\,.
                                                                                                                                                       \begin{array}{l} 4]\langle 24\rangle \ldots \langle\!\langle 7\, terms\rangle\!\rangle \ldots + 84[35][23][13]\langle 34\rangle\langle 23\rangle\langle 12\rangle)}{[56]\langle 1|2+4|3]\langle 2|1+4|3]^3} + \end{array}
                                                 -49[12]\langle 26\rangle[25]\underline{\langle 24\rangle}^{4}[24]^{3}
                                                                                                                                           \frac{...\langle\!\langle 57\, terms\rangle\!\rangle ... + 18[35][23][34][12]\langle 13\rangle\langle 34\rangle\langle 46\rangle\langle 23\rangle^2[13]}{\langle 2|1 + 4|3|^2\Delta_{14}^2|23|56} +
                                                                                                                                          \frac{4[35]\langle 16\rangle[23]\langle 24\rangle(s_{\mbox{\bf 1}34}\!+\!s_{\mbox{\bf 2}34})}{\langle 1|2\!+\!4|3]^2\langle 2|1\!+\!4|3|^2}+
                                                                               \frac{\langle 26\rangle(s_{14}-s_{23})(6[35][13]^2\langle 13\rangle^2\ldots\langle\!\langle 3\,\mathrm{terms}\rangle\!\rangle\ldots+1[35]\langle 23\rangle^2[23]^2)}{\langle 56\rangle[56]\langle 1[2+4]3]\langle 2[1+4]3|^2\langle 2[1+3]4]}+
                                                                   \frac{230\langle 14\rangle[35][34]\langle 36\rangle\langle 34\rangle[13]\ldots\langle\!\langle 49\,\mathrm{terms}\rangle\!)\ldots -68[35][23][12]\langle 13\rangle\langle 26\rangle\langle 24\rangle}{\langle 56\rangle[56]\langle 1|2+4|3]\langle 2|1+4|3]^2}+
                                                                                                \frac{1/2[35][23]\langle 13\rangle\langle 34\rangle\langle 46\rangle\langle 23\rangle(s_{\mbox{$1$}\mbox{$24$}}-s_{\mbox{$13$}\mbox{$4$}})[13](s_{\mbox{$23$}}-s_{\mbox{$56$}})}{\langle 14\rangle\langle 2|1+4|3|^2\Delta_{\mbox{$23$}\mbox{$14$}}^2|14|56}+
                                                                                                                                                          \frac{46 \rangle \langle 23 \rangle \langle 24 \rangle \ldots \langle \! \langle 28 \, \text{terms} \rangle \! \rangle \ldots + 26 [35] [23] \langle 36 \rangle \langle 13 \rangle \langle 34 \rangle \langle 23 \rangle [13]^2)}{\langle 2|1+4|3|^2 \Delta_{23}^2 |14|56} +
              \scriptstyle (s_{124}-s_{134})(-1039/2[35][34][12]^2\langle 13\rangle\langle 46\rangle\langle 23\rangle\langle 24\rangle\,.
                                           \frac{[35]\langle 34\rangle\langle 46\rangle\langle -1[24][13]\langle 13\rangle\langle 24\rangle -1[13]\langle 12\rangle\langle 13\rangle[12]+1[13]\langle 13\rangle\langle 23\rangle[23]-1[34]\langle 34\rangle\langle 23\rangle[23]\rangle}{\langle 14\rangle\langle 2]1+4[3]^2\Delta_{23}[14]56}+
                                                                                               \frac{[35](s_{\mathbf{23}} - s_{\mathbf{56}})\langle 34\rangle\langle 46\rangle(-2[24]\langle 24\rangle - 2\langle 12\rangle[12] - 1\langle 34\rangle[34])}{\langle 14\rangle\langle 2|1+4|3|^2\Delta_{\mathbf{23}|14|56}} +
                                                                                     \frac{\langle 46 \rangle^2 (-1[24][13]\langle 23 \rangle^2[23] \ldots \langle\!\langle 4\, terms \rangle\!\rangle \ldots + 1/2[13]^2 \langle 13 \rangle^2[14])}{\langle 56 \rangle \langle 2|1 + 4|3|^2 \Delta_{23} |14|56} +
                                                 \frac{(s_{14}-s_{23})(-21/2[12]\langle 26\rangle[25]\langle 24\rangle^2[24]\ldots\langle (14\,\mathrm{terms})\rangle\ldots-1[35][12]\langle 13\rangle\langle 46\rangle[14]\langle 24\rangle)}{\langle 56\rangle[56]\langle 2|1+4|3|^2\Delta_{23}|14|56}+
                                                                    \frac{-215/2[12]\langle 26\rangle[25]\langle 24\rangle^2[24]\ldots\langle\!\langle 30\,\mathrm{terms}\rangle\!\rangle\ldots -940[35][12]^2\langle 23\rangle\langle 46\rangle\langle 12\rangle}{\langle 2|1+4|3|^2\Delta_{23}|14|56}+
                                                                                                                                                                     \frac{8[35]\langle 34\rangle\langle 46\rangle}{\langle 14\rangle\langle 2|1{+}4|3]^2} +
                                                                       \frac{5/4(3|1+4|2](s_{12}+s_{13}+s_{24}+s_{34})[23]^2(3|1+4|5]\langle 4|2+3|1]\langle 46\rangle\langle 23\rangle\langle 12\rangle}{\langle 14\rangle\Delta_{14|23|56}^3\langle 2|1+4|3]}+
s_{23}(s_{124} - s_{134})(s_{123} - s_{234})(255/64[35][12]\langle 34\rangle\langle 23\rangle\langle 46\rangle[24]\dots \\ \langle 18\, \mathrm{terms}\rangle \dots -25/16[23]\langle 36\rangle\langle 34\rangle\langle 23\rangle[25][13]) + (16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16.16)(16
                                                                                                                                                            \langle 2|1+4|3]\Delta^3_{14|23|56}
             \frac{s_{\mathbf{23}}\langle 4|2+3|1](s_{\mathbf{124}}-s_{\mathbf{134}})(-25/16[23]^2\langle 36\rangle\langle 34\rangle\langle 23\rangle|45]\ldots\langle\langle 11\,\mathrm{terms}\rangle\rangle\ldots-5/16[23]\langle 36\rangle\langle 13\rangle\langle 34\rangle[13]|45])}{\langle 2|1+4|3|\Delta_{14}^3|23|56}+
                       \underline{s_{23}\langle 3|1+4|2](s_{123}-s_{234})(-55/8[12]\langle 26\rangle[25]\langle 24\rangle^2[24]\ldots\langle\!\langle 9\,\mathrm{terms}\rangle\!\rangle\ldots -35/8[35][12]^2\langle 13\rangle\langle 26\rangle\langle 24\rangle\rangle}_{+}
                                                                                                                                                            \langle 2|1+4|3]\Delta^3_{14|23|56}
                                                                              [12]\langle 13\rangle\langle 26\rangle[13]s_{{\small 23}}\langle 4|2+3|1]\langle 3|1+4|2](15/8[35]\langle 13\rangle+15/8\langle 14\rangle[45])
                                                                                                                                                            (2|1+4|3]\Delta^3_{14|23|56}
\sqrt{(2|1+4|3]}\Delta^3_{14|23|56}
                                                                                                 \frac{-1/4(s_{12}+s_{13}+s_{24}+s_{34})[23]^2\langle 6|1+4|5]\langle 13\rangle\langle 34\rangle^2\langle 24\rangle}{\langle 14\rangle^2\Delta_{14|23|56}^2\langle 2|1+4|3]}+
                                                                                                                                                   \frac{1[35][23]\langle 13\rangle\langle 34\rangle^2\langle 46\rangle}{\langle 14\rangle^2\Delta_{14|23|56}\langle 2|1+4|3]} +
                                    \frac{13/4[13]^2\langle13\rangle^2\langle34\rangle\langle46\rangle[25]\langle24\rangle[24]\ldots\langle32\,\mathrm{terms}\rangle\ldots-7/2[23]^2[12]\langle13\rangle\langle34\rangle\langle23\rangle\langle46\rangle\langle24\rangle[45]}{\langle14\rangle\langle2|1+4|3]\Delta_{23}^2|14|56}+
                                                 \underbrace{(s_{23} - s_{56})(9/4[35][12]\langle 13\rangle^2\langle 34\rangle\langle 46\rangle[13]\ldots\langle 17\,\mathrm{terms}\rangle\ldots + 1[23]^2\langle 34\rangle\langle 46\rangle\langle 23\rangle^2[25])}_{+}
                                                                                                                                                     \langle 14\rangle\langle 2|1+4|3]\Delta^2_{23|14|56}
                                                                         \frac{\langle 46 \rangle (11/16 \langle 36 \rangle [12] \langle 34 \rangle^3 [34]^3 \ldots \langle 32 \, terms \rangle \ldots -1/16 \langle 36 \rangle \langle 12 \rangle^3 [12]^4)}{\langle 56 \rangle \langle 2| 1+4 | 3| \Delta_{23}^2 | 14 | 56} +
                                  \frac{\langle 46\rangle(s_{23}-s_{14})(-29/8[23][13]\langle 36\rangle\langle 34\rangle\langle 23\rangle[24]\ldots\langle 12\,\text{terms})\ldots -9/8[13]\langle 36\rangle\langle 12\rangle[12]\langle 34\rangle[24]\rangle}{\langle 56\rangle\langle 2|1+4|3|\Delta_{23}^2|14|56}+
                                        \frac{-9205/32[35][34](36)\langle34\rangle^3[24][13]\ldots (68\,\mathrm{term\,s})\ldots -149/4[23][12]\langle13\rangle\langle46\rangle\langle23\rangle^2[25][13]}{\langle2|1+4|3|\Delta_{23}^2|14|56}+
                                                                                        \frac{\langle 34\rangle (-19[35][24]\langle 34\rangle \langle 46\rangle \ldots \langle \! \langle 5\, terms \rangle\! \rangle \ldots + 4\langle 46\rangle \langle 12\rangle [12][25])}{\langle 14\rangle \langle 2|1+4|3|\Delta_{23}|14|56} +
                                                                                                                                                    \frac{16(s_{23}{-}s_{56})\langle 34\rangle\langle 46\rangle[25]}{\langle 14\rangle\langle 2|1{+}4|3]\Delta_{23|14|56}} +
                                                                                      \frac{\langle 46\rangle (3/4\langle 36\rangle [12]\langle 34\rangle [34]\ldots \langle 4\, terms\rangle \ldots +9/2[24]\langle 34\rangle \langle 46\rangle [14])}{\langle 56\rangle \langle 2|1+4|3]\Delta_{23}|14|56} +
                                                                                                                                                            (123456 \rightarrow \overline{432165}) +
                                                                            \frac{-15/4 (3|1+4|2|s_{56} (6|1+4|5|(s_{124}-s_{134})s_{23} \langle 24 \rangle [13](s_{123}-s_{234})}{(2|1+4|3|^2 \Delta_{14}^3 |23|56} +
                                \frac{-105/64(3|1+4|2](s_{12}+s_{13}+s_{24}+s_{34})s_{56}(6|1+4|5](4|2+3|1](s_{124}-s_{134})s_{23}(s_{123}-s_{234})}{\Delta^4_{14|23|56}\langle 2|1+4|3|}
```