```
\frac{\frac{1/2(s_{13}-s_{24})\langle 1|2+3|5]\langle 3|1+4|2|\langle 16\rangle(s_{123}-s_{234})}{\langle 14\rangle\langle 1|2+3|4|^2\langle 2|1+4|3|\Delta_{14|23|56}}+
                                                                                                                                                                                                                              \frac{-2\langle 23\rangle[24]^2\langle 16\rangle[12][45]}{[14][34]\langle 1|2+3|4]^2\langle 4|2+3|4]} +
                                                                                                                                               \frac{\frac{1/2\langle 6|1+4|5](s_{124}-s_{134})(s_{13}-s_{24})(s_{124}+s_{134})}{\langle 1|2+3|4]\langle 2|1+4|3]^2\Delta_{23|14|56}}+
                                                                                                                                                       \frac{\frac{1\langle 6|1+4|5](s_{123}-s_{124})(s_{124}-s_{134})(s_{13}-s_{24})}{\langle 1|2+3|4]\langle 2|1+4|3]^2\Delta_{23|14|56}}+
                                                                                                                            \frac{-7/16s_{1\underline{2}\underline{3}}\langle 3|1+4|2](s_{1\underline{3}\underline{4}}-s_{1\underline{2}\underline{4}})(s_{1\underline{2}\underline{3}}-s_{2\underline{3}\underline{4}})\langle 6|1+4|5]}{\langle 1|2+3|4]\langle 2|1+4|3|\Delta^2_{1\underline{4}|23|56}}+
                                                                                                                                                                \frac{-1/2\langle 3|1+4|5](s_{23}-s_{56})\langle 3|1+4|2][23][45]\langle 24\rangle}{\langle 14\rangle[14][56]\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+
                                                                                                                                                                                                   \frac{-1/2\langle 13\rangle\langle 3|1+4|2][23]\langle 6|1+4|5]\langle 24\rangle}{\langle 14\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}} +
                                                                                                      \frac{\langle 46\rangle\langle 3|1+4|2](1/2|12][25]\langle 12)^2\ldots\langle 3\, terms\rangle\ldots -1[13]\langle 13\rangle^2[35])}{\langle 14\rangle\langle 1|2+3|4\rangle\langle 2|1+4|3]\Delta_{14}|23|56}+
                                                                                                                                                                                      \frac{-1/2\langle 13\rangle\langle 3|1+4|2][23]\langle 6|1+5|4]\langle 46\rangle\langle 24\rangle}{\langle 14\rangle\langle 56\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14}|23|56}+
                                                                                                                                             \frac{\langle 46 \rangle \langle 3|1+4|2](s_{{\small 2}3}-s_{{\small 56}})(-3/4\langle 13 \rangle [35]-3/2[25]\langle 12 \rangle)}{\langle 14 \rangle \langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}} + \\
                                                                                                                                                                                    \frac{1/4(s_{23}-s_{56})\langle 13\rangle\langle 3|1+4|2][45]\langle 46\rangle\langle 24\rangle}{\langle 14\rangle\langle 23\rangle\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}+
                                                                                                                  \frac{\langle 36 \rangle \langle 12 \rangle \langle 46 \rangle \langle 3|1+4|2] (s_{23}-s_{56}) (-1/4[24] \langle 24 \rangle -1/4 \langle 34 \rangle [34])}{\langle 14 \rangle \langle 23 \rangle \langle 56 \rangle \langle 1[2+3|4] \langle 2|1+4|3] \Delta_{14|23|56}} +
                                                        \frac{\langle 46 \rangle \langle 3|1+4|2| (s_{\mathbf{23}} - s_{\mathbf{56}}) (-1/4|23| \langle 26 \rangle \langle 13 \rangle - 1/2[34] \langle 46 \rangle \langle 13 \rangle - 1/4 \langle 46 \rangle \langle 12 \rangle [24])}{\langle 14 \rangle \langle 56 \rangle \langle 1|2+3|4| \langle 2|1+4|3| \Delta_{\mathbf{14}} |23|56} +
\frac{[45][12]\langle 3|1+4|2](s_{23}-s_{56})\langle 1/4[13][45]\langle 14\rangle+1/4[12]\langle 12\rangle[35]-1/4[13][25]\langle 12\rangle+3/4[45][23]\langle 24\rangle)}{[14][23][56]\langle 1[2+3|4]\langle 2]1+4|3]\Delta_{14}[23]56}+\frac{[45][12]\langle 3|1+4|2](s_{23}-s_{56})\langle 1/4[13][45](24)+1/4[12]\langle 1/2](3)}{[14][23][56]\langle 1/2+3|4|\langle 2|1+4|3|\Delta_{14}|23]56}+\frac{[45][12]\langle 3|1+4|2](s_{23}-s_{56})\langle 1/4[13][45](42)+1/4[12]\langle 1/2|(3)|3-1/4[13][25]\langle 1/2\rangle+3/4[45][23]\langle 1/2\rangle+3/4[45][23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](23)[23](
                                                                                                                                                                                             \frac{1/2s_{123}\langle 3|1+4|5]\langle 3|1+4|2][13][45]}{[14][56]\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|23|56}}
                                                                                                                                                                                             \frac{1s_{123}(s_{23} - s_{56})\langle 3|1 + 4|2][15][45]}{[14][56]\langle 1|2 + 3|4]\langle 2|1 + 4|3]\Delta_{14}|23|56} +
               \frac{(3|1+4|2|(-5/2\langle 23)^2[24]\langle 13\rangle[13]\langle 46\rangle[35]\dots\langle 112\,\mathrm{terms}\rangle\dots-3/2|34|[24]\langle 34\rangle\langle 36\rangle[45]\langle 24\rangle^2)}{\langle 23\rangle\langle 56\rangle[56]\langle 1|2+3|4|\langle 2|1+4|3|\Delta_{14}|23|56}+
   \frac{(s_{124} - s_{134})(-3/2\langle 23\rangle^2[25][24]\langle 13\rangle[13]\langle 46\rangle \ldots (\langle 32 \, \text{terms}) \ldots -3/2\langle 23\rangle^2[25][24][23]\langle 36\rangle\langle 24\rangle)}{\langle 23\rangle\langle 56\rangle[56]\langle 1[2+3|4]\langle 2[1+4|3]\Delta_{14}|23|56} + \frac{(s_{124} - s_{134})(-3/2\langle 23\rangle^2[25][24](23)\langle 36\rangle\langle 24\rangle)}{\langle 23\rangle\langle 56\rangle[56]\langle 1(2+3)4|\langle 2(1+4)3\rangle(21)(23)\langle 36\rangle\langle 24\rangle)} + \frac{(s_{124} - s_{134})(-3/2\langle 23\rangle^2[25][24](23)\langle 36\rangle\langle 24\rangle)}{\langle 23\rangle\langle 56\rangle[56]\langle 1(2+3)4|\langle 2(1+4)3\rangle(23)(23)\langle 36\rangle\langle 24\rangle)} + \frac{(s_{124} - s_{134})(-3/2\langle 23\rangle^2[25][24](23)\langle 36\rangle\langle 24\rangle)}{\langle 23\rangle\langle 56\rangle[56]\langle 1(2+3)4|\langle 2(1+4)3\rangle(23)(23)\langle 36\rangle\langle 24\rangle)} + \frac{(s_{124} - s_{134})(-3/2\langle 23\rangle^2[25][24](23)\langle 36\rangle\langle 24\rangle)}{\langle 23\rangle\langle 56\rangle[56]\langle 1(2+3)4|\langle 2(1+4)3\rangle(23)(23)\langle 36\rangle\langle 24\rangle)} + \frac{(s_{124} - s_{134})(-3/2\langle 23\rangle^2[25][24](23)\langle 36\rangle\langle 24\rangle)}{\langle 23\rangle\langle 56\rangle[56]\langle 1(2+3)4|\langle 2(1+4)3\rangle(23)(23)\langle 36\rangle\langle 24\rangle)} + \frac{(s_{124} - s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_{134})(-s_
                         \frac{\langle 3|1+4|2|(5/4|34]|12|^2|45|\langle 26\rangle\langle 14\rangle^2\ldots\langle 26\, \text{terms}\rangle\ldots -3/2|34||24|\langle 13\rangle\langle 34\rangle|13|\langle 46\rangle|35|\rangle}{[23]\langle 56\rangle|56|(1|2+3|4]\langle 2|1+4|3|\Delta_{14}|23|56}+
                               \frac{[24]\langle 14\rangle[25](s_{124}-s_{134})(-3/2[13]\langle 36\rangle[24]\langle 24\rangle+3/4[13]^2\langle 36\rangle\langle 13\rangle+3/4[12]^2\langle 12\rangle\langle 26\rangle)}{[23]\langle 56\rangle[56]\langle 1[2+3]4]\langle 2[1+4]3]\Delta_{14}[23]56}+
                                  \frac{11/18\langle 36\rangle[14]^3[25]\langle 14\rangle^3\ldots\langle 57\, terms\rangle\ldots-11/36\langle 23\rangle[24]^2\langle 13\rangle\langle 34\rangle[13]\langle 46\rangle[35]}{\langle 14\rangle[14]\langle 23\rangle[23]\langle 24\rangle[34]\langle 112+3|4|\langle 4|2+3|4|}+
                           \frac{\langle 46\rangle[24](-11/36\langle 23\rangle[12]^2[23]\langle 36\rangle\langle 12\rangle^2\ldots\langle\!\{18\,\mathrm{terms}\rangle\!\}\ldots+11/3\langle 23\rangle^2[24]^2[23]\langle 46\rangle\langle 24\rangle)}{\langle 14\rangle[14](23)[23]\langle 24\rangle[34]\langle 56\rangle\langle 12\rangle+3|4|\langle 4|2+3|4|}+
                                                                           \frac{[12](2[13]^2\langle 26\rangle\langle 13\rangle^4[15]\ldots\langle\!(17\,\mathrm{terms})\!\rangle\ldots+13/3\langle 13\rangle^3[14]^2\langle 46\rangle[35]\langle 24\rangle)}{\langle 12\rangle[13]\langle 14\rangle[14]\langle 23\rangle\langle 56\rangle[56]\langle 1[2+3]1](1[2+3]4]}+
               \frac{11/9[34]\langle 23\rangle[24]^2\langle 13\rangle^2[12]\langle 46\rangle[35]\langle 24\rangle\dots\langle\langle 45\,\mathrm{terms}\rangle\rangle\dots+4/9\langle 23\rangle^2\langle 13\rangle^2[23]^3[13]\langle 36\rangle[45]}{\langle 12\rangle\langle 14\rangle[14]\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 1|2+3|4|\langle 4|5+6|4|
                                              \frac{25/3\langle 36\rangle[14]^4[35]\langle 14\rangle^4\ldots\langle 80\,\mathrm{terms}\rangle\ldots-2[34][24][12]\langle 34\rangle[23]\langle 36\rangle[45]\langle 12\rangle\langle 24\rangle^2}{\langle 12\rangle[13]\langle 14\rangle[14]\langle 23\rangle[23]\langle 24\rangle[34]\langle 56\rangle[56]\langle 1[2+3]4|}+
           \frac{-4s_{123}\langle 36\rangle\langle 26\rangle\langle 24\rangle}{\langle 12\rangle\langle 23\rangle\langle 56\rangle\langle 2|1+4|3|^2} +
                                                                                                                                                                                                                                                         \frac{2\langle 2|1+4|2]\langle 46\rangle\langle 26\rangle}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3|^2} +
                                                                                                                                                                  \frac{\langle 34 \rangle [45][35](-1\langle 34 \rangle [34]-1[24]\langle 24 \rangle-1[14]\langle 14 \rangle)}{\langle 12 \rangle [34][56]\langle 2|1+4|3|\langle 3|5+6|3|}+
                                                                                                                                                                                                               \frac{\langle 36 \rangle^{2}[13](-1[12]\langle 12 \rangle + 1\langle 34 \rangle[34])}{\langle 23 \rangle[34]\langle 56 \rangle\langle 2|1 + 4|3|\langle 3|5 + 6|3|} +
                                                                                                                                                                                                                 \frac{2\langle 23\rangle[45]\langle 26\rangle\langle 4|1+3|2]}{\langle 12\rangle\langle 2|1+4|3|\langle 2|1+3|4]\langle 4|5+6|4|} +
                                      \frac{-2[24]\langle 34\rangle^2[23][13]^2\langle 36\rangle[45]\langle 12\rangle^2...\langle 83\,\mathrm{terms}\rangle...+2\langle 23\rangle^2[24][23]^3[45]\langle 36\rangle\langle 24\rangle^2}{\langle 12\rangle\langle 14\rangle[14]\langle 23\rangle[23][34]\langle 56\rangle[56]\langle 2[1+4]3]\langle 4[5+6]4]}+
                                                                                                            \frac{-2\langle 23\rangle[25][13]\langle 46\rangle\langle 12\rangle\ldots\langle\!\langle 4\,\mathrm{terms}\rangle\!\rangle\ldots+2\langle 36\rangle[14]\langle\!\langle 14\rangle[35]\langle\!\langle 24\rangle}{\langle12\rangle[13]\langle\!\langle 23\rangle\langle 1|2+4|3|\langle\!\langle 2|1+4|3|}
                                          \frac{\langle 36 \rangle \langle 46 \rangle (-1[12] \langle 12 \rangle^2 [13] -1[13] [34] \langle 34 \rangle \langle 12 \rangle -2[13] \langle 12 \rangle [24] \langle 24 \rangle +2[34] \langle 23 \rangle [23] \langle 24 \rangle )}{\langle 12 \rangle [13] \langle 23 \rangle \langle 56 \rangle \langle 1[2+4]3 \rangle \langle 2[1+4]3} +
                                    \frac{1[24]^2\langle 34\rangle[13]\langle 36\rangle\langle 12\rangle[35]\langle 24\rangle\dots\langle 160\,\mathrm{terms}\rangle\dots-6\langle 23\rangle[25][24][23][13]\langle 36\rangle\langle 12\rangle\langle 24\rangle}{\langle 12\rangle\langle 14\rangle[14][23][23][34]\langle 56\rangle[56]\langle 2|1+4|3|}+
                                                                                                                                                                                                                                            \frac{3\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{\langle 36 \rangle (1[34]\langle 23 \rangle \langle 13 \rangle [23]\langle 46 \rangle \ldots \langle 5\, \mathrm{terms} \rangle \ldots - 2[24][13]\langle 36 \rangle \langle 14 \rangle \langle 12 \rangle)}{\langle 12 \rangle \langle 23 \rangle [34]\langle 56 \rangle \langle 1[2+4]3]\langle 3[5+6]3|} + \frac{\langle 36 \rangle \langle 1[34]\langle 23 \rangle \langle 13 \rangle \langle 12 \rangle \langle 12 \rangle \langle 13 \rangle \langle 13 \rangle \langle 14 \rangle \langle 12 \rangle \langle 13 \rangle \langle 
                                                                                                                                               \frac{\langle 36 \rangle (-2[12]\langle 36 \rangle \langle 12 \rangle \ldots \langle \langle 4\,\mathrm{terms} \rangle \ldots -2[14]\langle 46 \rangle \langle 13 \rangle)}{\langle 12 \rangle \langle 23 \rangle |34|\langle 56 \rangle \langle 3|5+6|3|} +
                                                        \frac{[12](-35/3\langle23\rangle^2[25]\langle13\rangle[13]\langle46\rangle\dots\langle(26\,\mathrm{terms})\rangle\dots+2\langle34\rangle[15]\langle36\rangle[14]\langle14\rangle\langle12\rangle)}{\langle12\rangle[13]\langle14\rangle[14]\langle23\rangle\langle56\rangle[56]\langle12+3|1]}+
     \frac{-10/9[25][24]\langle 13\rangle^2[13]^2\langle 36\rangle\langle 24\rangle^2\ldots\langle 126\,\mathrm{terms}\rangle\ldots -94/9\langle 13\rangle[12]^2[13]\langle 36\rangle[45]\langle 14\rangle\langle 12\rangle\langle 24\rangle}{\langle 12\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 24\rangle[34]\langle 56\rangle[56]\langle 4|5+6|4|}+
                                                                                                                                         \frac{-1[13][45]\langle 46\rangle\langle 13\rangle\ldots\langle 8\,\mathrm{terms}\rangle\ldots+4[25][24]\langle 26\rangle\langle 24\rangle}{\langle 12\rangle[13]\langle 23\rangle[34]\langle 1|2+4|3|}+
                                                                                                                      \frac{\langle 46 \rangle (-1[34]\langle 36 \rangle [24]\langle 24 \rangle \dots \langle \langle 4\,\mathrm{terms} \rangle \dots -2[13]\langle 36 \rangle [34]\langle 13 \rangle)}{\langle 12 \rangle [13]\langle 23 \rangle [34]\langle 56 \rangle \langle 1[2+4]3]} +
                                                                                                                      \frac{[45](-2[13][45]\langle 34\rangle\langle 14\rangle\dots\langle 4\,\mathrm{terms}\rangle\!\!)\dots -2\langle 23\rangle[25][23]\langle 24\rangle)}{\langle 12\rangle[13]\langle 23\rangle[34][56]\langle 1|2+4|3|}+
                                                                                                                                                                      \frac{-1/3[15]^2s_{123}\langle 34\rangle\langle 13\rangle}{\langle 12\rangle[13]\langle 23\rangle[56](\langle 2|3|5+6|1|2|-\langle 3|4|5+6|1|3|)}+
                                                                                                                                                                      \frac{-1/3[12]\langle 46\rangle^2[24]\langle 2|3+4|2]}{[23]\langle 24\rangle[34]\langle 56\rangle\langle\langle 3|2|5+6|4|3|-\langle 2|1|5+6|4|2]\rangle} +
                                                                                                                                                                                                                          \frac{-4/3[12]\langle 3|1+2|5]\langle 13\rangle[35]}{\langle 12\rangle\langle 23\rangle[23][34][56]\langle 3|1+2|3]} +
                                                                 \frac{286/9\langle 23\rangle[25][12]^2\langle 46\rangle\langle 12\rangle^2\ldots\langle\!(66\,\mathrm{terms})\!\!\!)\ldots -2[34]\langle 34\rangle^2[45][14]\langle 14\rangle\langle 46\rangle}{\langle 12\rangle\langle 14\rangle[14]\langle 23\rangle[23]\langle 24\rangle[34]\langle 56\rangle[56]} +
                                                                                       \frac{-16/9\langle34\rangle^2\langle36\rangle\langle12\rangle[35]\ldots\langle\!\{10\,\mathrm{terms}\!\}\ldots-31/6\langle23\rangle\langle13\rangle\langle34\rangle\langle46\rangle[35]}{\langle12\rangle\langle14\rangle\langle23\rangle\langle24\rangle[34]\langle56\rangle[56]}+
                                                              \frac{-403/36\langle 23\rangle[25][24][13]\langle 46\rangle\dots\langle\langle 10\,\text{terms}\rangle\rangle\dots+1039/36\langle 13\rangle[12][13]\langle 36\rangle[35]}{\langle 12\rangle[14][23]\langle 24\rangle[34]\langle 56\rangle[56]}+
                                                                                                          \frac{535/36[12]\langle 36\rangle\langle 12\rangle[15]\ldots\langle\!\langle\!(6\,\mathrm{terms})\!\rangle\!\ldots\!+\!13/4[12]\langle 23\rangle\langle 36\rangle[35]}{\langle 12\rangle[14]\langle 24\rangle[34]\langle 56\rangle[56]}+
                                                                                                                      \frac{13/4[13]\langle 46\rangle[25]\langle 13\rangle\ldots\langle\!\langle 6\,\mathrm{terms}\rangle\!\rangle\ldots-11/2\langle 34\rangle\langle 46\rangle[24][35]}{\langle 12\rangle[23]\langle 24\rangle[34]\langle 56\rangle[56]}
```