```
\frac{3\langle 16\rangle[13]\langle 6|1+5|2][24]}{[34]^2\langle 56\rangle s_{234}\langle 1|2+4|3]} +
                                                                                         \frac{3\langle 1|3\!+\!4|2|[24][35][15]}{[34]^2[56]s_{234}\langle 1|2\!+\!4|3]}\!+\!
                                                                                           \begin{array}{l} -9/4\langle 16\rangle\langle 6|1+5|2][12] \\ \overline{[34]\langle 56\rangle} s_{234}\langle 1|2+4|3] + \end{array}
                                                                                            \frac{-9/4[25]\langle 1|3+4|2][15]}{[34][56]s_{234}\langle 1|2+4|3]} +
                                                                                   \frac{21/4\langle 24\rangle\langle 2|3+4|1][25]^2[12]}{[13][56]\langle 2|5+6|2|^2\langle 2|1+4|3|} +
                                                                                  \frac{-7\langle 26 \rangle^{2}[13]\langle 4|1+3|2][24]}{[34]\langle 56 \rangle\langle 2|5+6|2]\langle 2|1+4|3|^{2}} +
                                                                          \frac{\langle 26 \rangle [12] (7 \langle 46 \rangle [24] - 35 / 4 \langle 16 \rangle [12])}{[34] / 56 \rangle / 2 [5 + 6 | 2] / 2 [1 + 4 | 3]} +
                                                                       \frac{[12][25](19/2\langle23\rangle[35]-7/4[15]\langle12\rangle)}{[34][56]\langle2|5+6|2|\langle2|1+4|3|} +
                               \frac{\langle 26 \rangle [12] (35/4[13][24] \langle 36 \rangle \dots \langle \langle 3 \text{ terms} \rangle \dots + 7/4 \langle 16 \rangle [14][12])}{[13][34] \langle 56 \rangle \langle 2|5+6|2| \langle 2|1+3|4|} +
                                                                           \frac{[25]\langle 23\rangle (7[25][14]-19/2[45][12])}{[34][56]\langle 2|5+6|2]\langle 2|1+3|4|}+
                                                                                  \frac{-7\langle 4|1+2|3|\langle 26\rangle[13]\langle 36\rangle[24]}{[34]\langle 56\rangle\langle 2|1+4|3|^2\langle 3|5+6|3|} +
                                                                                                  \frac{-7\langle 26\rangle[13]\langle 46\rangle[24]}{[34]\langle 56\rangle\langle 2|1+4|3|^2} +
                                                                          \frac{21/4\langle 36\rangle^2[24]\langle 4|1+2|3]^2}{\langle 56\rangle\langle 1|2+4|3]\langle 2|1+4|3]\langle 3|5+6|3|^2} +
                                        \frac{\langle 34\rangle[13][24]\langle 36\rangle(6\langle 26\rangle[23]-21/2\langle 46\rangle[34]+7/4\langle 16\rangle[13])}{|34|\langle 56\rangle\langle 2|1+4|3|\langle 3|2+4|3|\langle 3|5+6|3|}+
                                                                      \frac{-7/4\langle 34 \rangle^2 [45][35][13][24]}{[34][56]\langle 2|1+4|3]\langle 3|2+4|3|\langle 3|5+6|3|} +
                                                                                  \frac{6\langle 26\rangle[13]\langle 36\rangle[23][24]}{[34]^2\langle 56\rangle\langle 2|1+4|3|\langle 3|2+4|3|} +
                                                   \frac{[24][13][23]\langle 36\rangle (-35/4\langle 46\rangle\langle 12\rangle +17/4\langle 26\rangle\langle 14\rangle)}{[34]\langle 56\rangle\langle 1]2+4[3]\langle 2]1+4[3]\langle 3]2+4[3]}+
                                                                      \frac{7/4\langle 34\rangle\langle 24\rangle[45][35][23][24]}{[34][56]\langle 1|2+4|3]\langle 2|1+4|3]\langle 3|2+4|3|} +
                                                                                     \frac{-17/4\langle 14\rangle[24][35][15]}{|34|[56]\langle 1|2+4|3|\langle 2|1+4|3|} +
                                                                                     \frac{7/2[25][45]\langle 4|1+2|3]}{[34][56]\langle 1|2+4|3]\langle 2|1+4|3|} +
                                                                                           \frac{-7[25][14]\langle 26\rangle}{[34]\langle 2|1+4|3]\langle 2|1+3|4|} +
                                                                     \frac{[24]\langle 26\rangle(27/4[13]\langle 36\rangle + 5/2\langle 46\rangle[14])}{[34]\langle 56\rangle\langle 2|1 + 4|3|\langle 2|1 + 3|4|} +
                                                                                     \frac{31/4[25]\langle 23\rangle[14][35]}{[34][56]\langle 2|1+4|3]\langle 2|1+3|4|} +
                                                                                     \frac{-7/2\langle 23\rangle[13][45][25]}{[34][56]\langle 2|1+4|3]\langle 2|1+3|4|} +
                                                                                          \frac{35/4\langle 26\rangle\langle 36\rangle[12]}{\langle 56\rangle\langle 2|1+4|3|\langle 2|1+3|4|} +
                                                                      \frac{-11/4\langle 34\rangle\langle 6|1+5|3]\langle 36\rangle[23][24]}{|34|\langle 56\rangle\langle 1|2+4|3|\langle 3|2+4|3|\langle 3|5+6|3|} +
                                                                               \frac{7/4\langle 34\rangle[24][35]^2[12]}{[13][34][56]\langle 1|2+4|3|\langle 3|5+6|3|} +
                                                                                \frac{1/4\langle 34\rangle\langle 23\rangle[35][23][15][24]^2}{[34]^2[56]\langle 1|5+6|1\rangle\langle 3|2+4|3\rangle^2} +
                                                                                 \frac{7/4\langle 34\rangle\langle 6|1+5|3]\langle 36\rangle[23][24]}{\frac{(24)/56\rangle\langle 1|2+4|21/2|2+4|21/2|}{24}}
                                                                                         \frac{1/4\langle 34\rangle\langle 36\rangle[23][15][24]}{[34]\langle 1|5+6|1]\langle 3|2+4|3]^2} +
                                                        \frac{[24]^2\langle 34\rangle[13]\langle 16\rangle(1/4\langle 26\rangle[23]+3/4\langle 16\rangle[13])}{[34]^2\langle 56\rangle\langle 1|5+6|1|\langle 1|2+4|3|\langle 3|2+4|3|}+
                                                                             \frac{-3/4\langle34\rangle[35]^{2}[23][14][24]}{[13][34]^{2}[56]\langle1|2+4|3]\langle3|2+4|3|} +
                                                                                 \frac{3\langle 26\rangle\langle 36\rangle[24][23]^2}{[34]^2\langle 56\rangle\langle 1|2+4|3]\langle 3|2+4|3|} +
                                                           \frac{[24]\langle 34\rangle[13]\langle 16\rangle(1/4\langle 36\rangle[23]+1/2\langle 16\rangle[12])}{[34]\langle 56\rangle(1|5+6|1]\langle 1|2+4|3]\langle 3|2+4|3]}+
                                    \frac{[23][35](1\langle 34\rangle[45][12]-9/4[25][14]\langle 34\rangle+5/4[25]\langle 23\rangle[12])}{|13|[34][56]\langle 1[2+4]3]\langle 32+4|3|}+
                                                                    \frac{\langle 36 \rangle [23] (-9/4 \langle 36 \rangle [23] - 39/4 \langle 46 \rangle [24])}{[34] \langle 56 \rangle \langle 1|2 + 4|3| \langle 3|2 + 4|3|} +
                                                                                   \frac{-3/16[35][23][12]\langle 6|1+5|4]}{\lceil 13\rceil\lceil 34\rceil^2\langle 56\rangle\lceil 56\rceil\langle 1|2+4|3|}+
                                                                  \frac{[35](3/2[25][13][24]+3/16[45][23][12])}{[13][34]^2[56]\langle 1|2+4|3|}+
                                                                                      \frac{-105/16\langle 6|1+5|2][24][35]}{[34]^2\langle 56\rangle[56]\langle 1|2+4|3]}
                                                                                                 \frac{-23/16[25][45][23]}{[34]^2[56]\langle 1|2+4|3|} +
                                                                      \frac{[14][35](-3/16[25][14]+7/4[45][12])}{[13][34]^2[56]\langle 2|1+3|4]}+
                                                                                         \frac{-27/4[45]\langle 6|2+5|1][24]}{[34]^2\langle 56\rangle[56]\langle 2|1+3|4|}+
                                                                          \frac{[45](-7/4[45][12]-41/16[25][14])}{[34]^2[56]\langle 2|1+3|4|} +
        \frac{\langle 16 \rangle (-3/8[13][24]\langle 36 \rangle + 3/8\langle 46 \rangle [14][24] - 3/4\langle 26 \rangle [24][12] + 3/8\langle 16 \rangle [14][12])}{|34|\langle 56 \rangle \langle 1|2 + 4|3|\langle 2|1 + 3|4|} +
                                                                                     \frac{3/4\langle 26\rangle\langle 36\rangle[24][23]}{[34]\langle 56\rangle\langle 1|2+4|3]\langle 2|1+3|4|} +
                                                                                     \frac{3/4[25]\langle 23\rangle[24][35]}{[34][56]\langle 1|2+4|3]\langle 2|1+3|4|} +
                                                                       \frac{[25][45](-3/8[13]\langle 13\rangle + 3/8\langle 14\rangle[14])}{[34][56]\langle 1|2+4|3|\langle 2|1+3|4|} +
                                                                                              \frac{7/8[25][35][12]}{[13][34][56]\langle 1|2+4|3|} +
                                                                                       \frac{3/16\langle 6|2\!+\!5|1][45][12]}{[13][34]\langle 56\rangle[56]\langle 2|1\!+\!3|4|}\!+\!
                                                   \frac{\langle 16 \rangle [12] (3/8[13] \langle 36 \rangle + 3/2 \langle 46 \rangle [14] + 3/8 \langle 26 \rangle [12])}{[13] \langle 56 \rangle \langle 1|2 + 4|3| \langle 2|1 + 3|4|} +
                                                                                    \frac{3/16\langle 26\rangle\langle 6|1+5|2][12]}{|13|\langle 56\rangle\langle 1|2+4|3|\langle 2|1+3|4|}+
                         \frac{3/64[25](s_{124}-s_{234})(s_{15}+s_{16}+s_{35}+s_{36})(s_{123}-s_{134})[15]}{[13][56]\Delta_{13|24|56}(1|2+4|3]\langle 2|1+3|4]}+
                              \frac{[35](-3/16\langle34\rangle[45][12]-3/16[25][14]\langle34\rangle+3/16[25]\langle23\rangle[12])}{[13][56]\langle112+4|3|\langle211+3|4|}+
                                                                   \frac{[25][45](15/16\langle34\rangle[13]-3/16\langle24\rangle[12])}{[13][56]\langle1|2+4|3]\langle2|1+3|4]} +
                                                     \frac{3/64(s_{124}-s_{234})\langle 6|1+3|2](s_{123}-s_{134})[15]}{[13]\Delta_{13}|24|56\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                       \frac{-3/64(s_{\mbox{$124$}}\!-\!s_{\mbox{$234$}})\langle 6|1\!+\!3|5](s_{\mbox{$24$}}\!-\!s_{\mbox{$56$}})[12]}{[13]\Delta_{\mbox{$13$}}|24|56}\langle 1|2\!+\!4|3]\langle 2|1\!+\!3|4]}\!+\!
                                                       \frac{-3/64\langle 6|1+3|5|(s_{\mbox{$123$}}\!-\!s_{\mbox{$134$}})(s_{\mbox{$24$}}\!-\!s_{\mbox{$56$}})[12]}{[13]\Delta_{\mbox{$13$}}\!|\!24|56\langle 1|2\!+\!4|3|\langle 2|1\!+\!3|4|}+
                                                                     \frac{-3/8(s_{24}-s_{56})\langle 13\rangle[35]\langle 46\rangle[12][14]}{[13]\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                          \frac{9/32(s_{\mbox{$13$}}-s_{\mbox{$24$}})(s_{\mbox{$124$}}-s_{\mbox{$234$}})\langle 46\rangle\langle 36\rangle[24]}{\langle 56\rangle\Delta_{\mbox{$13$}}|24|56}\langle 1|2+4|3]\langle 2|1+3|4]} +
                                                          \frac{9/32(s_{13}-s_{24})\langle 46\rangle\langle 36\rangle(s_{123}-s_{134})[24]}{\langle 56\rangle\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                                     \frac{3/8(s_{13}-s_{24})\langle 46\rangle\langle 36\rangle\langle 3|1+4|2][34]}{\langle 56\rangle\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4]}+
               \frac{(s_{15} + s_{16} + s_{35} + s_{36})(s_{124} - s_{234})[25](3/16\langle34\rangle[45] + 3/32\langle13\rangle[15])}{[56]\Delta_{13|24|56}\langle1|2+4|3|\langle2|1+3|4|} +
                                         \frac{3/32[25]\langle 13\rangle(s_{15}+s_{16}+s_{35}+s_{36})(s_{123}-s_{134})[15]}{[56]\Delta_{13}[24[56}\langle 1|2+4|3]\langle 2|1+3|4]}+
                                                         \frac{-39/64[25](36)(s_{123}-s_{134})(s_{124}-s_{234})}{\Delta_{13|24|56}\langle 1|2+4|3]\langle 2|1+3|4|}+
  \frac{(s_{124}-s_{234})(-3/32\langle 36\rangle\langle 14)[45][12]\ldots\langle 9~\text{terms}\rangle\ldots-3/32\langle 34\rangle[45]\langle 46\rangle[24])}{\Delta_{13[24]56}(1[2+4]3]\langle 2[1+3]4]}+
\frac{(s_{123} - s_{134})(-3/16[25](14)[14]\langle 36\rangle \ldots \langle 10\, \mathrm{terms} \rangle \ldots -3/32\langle 34\rangle [45]\langle 46\rangle [24])}{\Delta_{13|24|56}(1|2+4|3]\langle 2|1+3|4|} + \\
                 \begin{array}{l} [\underline{12}](3/4\langle 46\rangle\langle 13\rangle^2[35][14]\dots\langle\!\langle 5\,\mathrm{terms}\rangle\!\rangle\dots-3/8[25]\langle 24\rangle\langle 36\rangle[24]\langle 12\rangle)}{\Delta_{13}|24|56\langle 1|2+4|3]\langle 2|1+3|4]} + \end{array}
                                                                                              \frac{3/8[25]\langle 36\rangle\langle 34\rangle[23]}{\Delta_{13|24|56}\langle 1|2+4|3]} +
                                                                                             \begin{array}{l} -3/8\langle 34\rangle\langle 36\rangle[45][12] \\ \overline{\Delta_{13|24|56}\langle 2|1+3|4]} \end{array}
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