```
\frac{(s_{12} + s_{13} + s_{24} + s_{34})(s_{13} - s_{24})(9/8\langle 16 \rangle \langle 12 \rangle [12][15] \ldots \langle \! \langle 5 \operatorname{terms} \rangle \! \rangle \ldots + 9/8\langle 46 \rangle [35][24]\langle 23 \rangle)}{\langle 1|2 + 3|4|\langle 2|1 + 4|3|^2 \Delta_{14}|23|56} + \frac{(s_{12} + s_{13} + s_{24} + s_{34})(s_{13} - s_{24})(9/8\langle 16 \rangle \langle 12 \rangle [12][15] \ldots \langle \! \langle 5 \operatorname{terms} \rangle \! \rangle \ldots + 9/8\langle 46 \rangle [35][24]\langle 23 \rangle)}{\langle 1|2 + 3|4|\langle 2|1 + 4|3|^2 \Delta_{14}|23|56}
                            \frac{(s_{12} + s_{13} + s_{24} + s_{34})(s_{13} - s_{24})(s_{124} - s_{134})(33/32[25]\langle 26 \rangle - 57/32\langle 46 \rangle [45])}{\langle 1|2 + 3|4|\langle 2|1 + 4|3|^2 \Delta_{14}|23|56} +
                   \frac{(s_{13} - s_{24})(s_{124} - s_{134})(-3/8\langle 46\rangle[35]\langle 13\rangle[14]\ldots\langle\!(3\,\mathrm{term})|}{(1|2 + 3|4]\langle 2|1 + 4|3|^2\Delta_{14}|23|56}
                                                                                                                                                                                 ..(3 \text{ terms})...+3/8(46)[35][24](23)
\frac{\langle 46 \rangle (s_{12} + s_{13} + s_{24} + s_{34}) (s_{124} - s_{134}) (-15/16[13]\langle 13 \rangle [45] + 9/8[35]\langle 13 \rangle [14] + 3/16[35][24]\langle 23 \rangle)}{\langle 1|2 + 3|4]\langle 2|1 + 4|3|^2 \Delta_{14}|23|56} +
                                                                                               \frac{3/4\langle 26\rangle[13](s_{124}\!-\!s_{134})[35]\langle 13\rangle^2[12]}{\langle 1|2\!+\!3|4]\langle 2|1\!+\!4|3]^2\Delta_{14}|23|56}+
                                                                                      \frac{-3/8\langle 2|1+3|5]\langle 16\rangle\langle 13\rangle[12][24](s_{\textstyle 123}-s_{\textstyle 234})}{\langle 1|2+3|4]^2\langle 2|1+4|3]\Delta_{\textstyle 14|23|56}}+
                                                                                         \frac{-3/2\langle 3|1+2|5][13]\langle 16\rangle\langle 13\rangle[24](s_{123}-s_{234})}{\langle 1|2+3|4]^2\langle 2|1+4|3]\Delta_{14}[23|56}+
                                                                                                             \scriptstyle +s_{\mathbf{24}}+s_{\mathbf{34}})[25]\langle 26\rangle s_{\mathbf{56}}\langle 3|1+4|2](s_{\mathbf{123}}-s_{\mathbf{234}})\\ \langle 1|2+3|4]\langle 2|1+4|3]\Delta^2_{\mathbf{14}|23|56}\\ +
                                                        9/64(s_{12}+s_{13}+
                                          \frac{-9/64(s_{12}+s_{13}+s_{24}+s_{34})[25]\langle 26\rangle(s_{14}-s_{23})\langle 3|}{\langle 1|2+3|4|\langle 2|1+4|3|\Delta_{14}^2|3|56}
                                                                                                                                                                                       -s_{23})(3|1+4|2](s_{123}-s_{234})
                                        \frac{27/64(s_{12}+s_{13}+s_{24}+s_{34})(s_{13}+s_{34})(3|1+4|2](6|1+2|5](s_{123}-s_{234})}{\langle 1|2+3|4\rangle\langle 2|1+4|3|\Delta_{14}^{2}|23|56}+
                                             \frac{-27/32(s_{12}+s_{13}+s_{24}+s_{34})[25](s_{123}-s_{234})[1}{\langle 1|2+3|4]\langle 2|1+4|3|\Delta_{14}^{2}|23|56}
                                                                                                                                                                                      s_{234})[13]\langle 36\rangle\langle 3|1+4|2]\langle 1\underline{2}\rangle
                                           \frac{9/16[45][14]\langle 14\rangle^2\langle 36\rangle[12]\ldots\langle\!\langle 22\,\mathrm{terms}\rangle\!\rangle\ldots+9/4[3]}{\langle 1|2+3|4|\langle 2|1+4|3|\Delta_{14}|23|56}
                                                                                                                                                                                             +9/4[35]\langle 13\rangle\langle 36\rangle[12]^2\langle 12\rangle
                                                                    \frac{27/32(s_{12}+s_{13}+s_{24}+s_{34})[15]\langle 3|1+4|2]\langle 46\rangle\langle 3|5+6|3]}{\langle 2|1+4|3|\Delta_{14|23|56}^2}+
                                                                                                            \frac{9/16[13][15]\langle 3|1+4|2]\langle 34\rangle\langle 46\rangle}{\langle 2|1+4|3]\langle 4|2+3|1]\Delta_{14|23|56}} +
                                                                                                   \frac{-9/16[15]\langle 34\rangle\langle 46\rangle[12](s_{{\color{blue}123}}-s_{{\color{blue}234}})}{\Delta_{14|23|56}\langle 2|1+4|3]\langle 4|2+3|1]}+
                                                                                                                         (123456 \rightarrow -\overline{432165}) +
                                                                                                   \frac{-45/8\langle 26\rangle[13](s_{\c 124}-s_{\c 134})[35]\langle 24\rangle}{\langle 2|1+4|3|^4}+
                  \frac{\langle 12\rangle[13][35](15/8\langle 24\rangle[24]\langle 26\rangle+15/2\langle 46\rangle[14]\langle 12\rangle-15/8[12]\langle 12\rangle\langle 26\rangle+15/8\langle 26\rangle\langle 23\rangle[23])}{\langle 12\rangle[34]\langle 2|1+4|3]^3}+
                                                                                                                       \frac{15/8[13]^2[25]\langle 12\rangle^2\langle 26\rangle}{\langle 12\rangle[34]\langle 2|1+4|3]^3}+
                                      \frac{\langle 12\rangle[13][35](15/8[15][12](12)^2-15/8[45]\langle 24\rangle^2[24]-15/4[45]\langle 24\rangle[12]\langle 12\rangle)}{\langle 12\rangle[34][56]\langle 2[1+4]3]^3}+
\frac{[13]\langle 26\rangle(-15/8\langle 24\rangle[34]\langle 36\rangle[23]-15/8\langle 26\rangle\langle 24\rangle[24][23]+15/8\langle 46\rangle[14]\langle 14\rangle[34]-15/8\langle 26\rangle\langle 23\rangle[23]^2)}{[34]\langle 56\rangle\langle 2|1+4|3]^3}+
                                                    \frac{[13][35](87/8\langle13\rangle\langle24\rangle\langle26\rangle-81/4\langle24\rangle\langle36\rangle\langle12\rangle+87/8\langle46\rangle\langle12\rangle\langle23\rangle)}{\langle12\rangle\langle2|1+4|3|^3}+
                                    \frac{[13][35](-15/8[45]\langle 13\rangle\langle 24\rangle^2+15/8[45]\langle 24\rangle\langle 34\rangle\langle 12\rangle-15/8[35]\langle 34\rangle\langle 12\rangle\langle 23\rangle)}{\langle 12\rangle[56]\langle 2[1+4]3]^3}+
                       \frac{\langle 13\rangle(-21/2[13]|35|\langle 13\rangle\langle 23\rangle\langle 46\rangle|34|^2\ldots\langle 20\ \mathrm{terms}\rangle\ldots-3/4[23]|35|\langle 23\rangle^2\langle 46\rangle|34|^2)}{\langle 12\rangle[34]\langle 56\rangle[56](1|2+3|4]\langle 2|1+4|3|^2}+
                                 -3/8[13][35]\langle 13\rangle\langle 23\rangle\langle 46\rangle[34]
                                                                                                                    \begin{array}{l} [34]\ldots\langle\!\langle 35\,\mathrm{terms}\rangle\!\rangle\ldots-15/8\langle26\rangle[35]\langle23\rangle[12]\langle12\rangle[23]\\ +\langle12\rangle[34]\langle56\rangle[56]\langle2|1+4|3]^2 \end{array} +
                                                                                                       \frac{3/2[45]\langle 1|2+4|3]\langle 2|1+3|5]\langle 13\rangle[24]}{\langle 12\rangle[34][56]\langle 1|2+3|4]^2\langle 2|1+4|3]} +
                            \frac{-33/4[35](23)\langle 46\rangle[24]^2\langle 12\rangle[34]\ldots\langle\!(26\,\mathrm{terms})\!\rangle\ldots+3/4[14]\langle 16\rangle[12][35][24]\langle 12\rangle^2}{(12)[34]^2\langle 56\rangle[56]\langle 1|2+3|4|\langle 2|1+4|3|}+
                                           \frac{3/2[13][14][35]\langle 13\rangle\langle 46\rangle\langle 12\rangle\ldots\langle\!\langle 9\,\mathbf{terms}\rangle\!\rangle\ldots-3[13][35]\langle 23\rangle\langle 46\rangle[24]\langle 12\rangle}{\langle 12\rangle\langle 24\rangle[34]^2\langle 56\rangle[56]\langle 2|1+4|3]}+
                                               \frac{11/2[25][13]\langle 23\rangle\langle 46\rangle\langle 12\rangle\ldots\langle 28\,\mathrm{terms}\rangle\!\!\rangle\ldots -3/2[35]\langle 34\rangle\langle 23\rangle\langle 46\rangle[34]}{\langle 12\rangle\langle 24\rangle[34]\langle 56\rangle[56]\langle 2|1+4|3]} + \\
                                                                                                                            -\frac{15/8[45]^2 s_{123}\langle 23\rangle^2}{\langle 12\rangle[56]\langle 2|1+3|4]^3}+
                                                                                                                        \frac{-3\langle 46\rangle[45]\langle 23\rangle^2[34]}{\langle 12\rangle\langle 24\rangle[34]\langle 2|1+3|4]^2} +
                                                                                                                       \frac{-39/8[13]\langle 13\rangle [45]^2\langle 23\rangle}{\langle 12\rangle [34][56]\langle 2|1+3|4]^2}+
                                                                                                                      \frac{123/16\langle 3|1+2|5][45]\langle 23\rangle}{\cdots\cdots\cdots}+
                                                                                                                                (12)[56](2|1+3|4]
                                                                                                                        \frac{-11/4\langle 46\rangle^2[14]\langle 23\rangle}{\langle 24\rangle^2[34]\langle 56\rangle\langle 2|1+3|4]} +
                                                   \frac{21/4[14][35]\langle 13\rangle\langle 23\rangle\langle 46\rangle\dots\langle\!\langle 3\, terms\rangle\!\rangle\dots + 21/4\langle 46\rangle[35][24]\langle 23\rangle^2}{\langle 12\rangle\langle 24\rangle[34]\langle 56\rangle[56]\langle 2|1 + 3|4]} + \\
                                                                                   \frac{\langle 13 \rangle (-39/8[13][45][24]\langle 26 \rangle + 3/2\langle 16 \rangle [14]^2[35])}{\langle 12 \rangle [34]^2 \langle 56 \rangle [56]\langle 2|1+3|4]} +
                                                                      \frac{3/2\langle 13\rangle[14][25]\langle 26\rangle \dots \langle\!\langle 4\,\mathrm{terms}\rangle\!\rangle \dots -8\langle 36\rangle[25][14]\langle 12\rangle}{\langle 12\rangle[34]\langle 56\rangle[56]\langle 2|1+3|4]} +
                                                                                                                   \frac{3[23]\langle 1|3\!+\!4|2]\langle 26\rangle\langle 16\rangle[34]}{\langle 12\rangle[34]^2\langle 56\rangle\langle 1|2\!+\!4|3]^2} +
                                                                                                                             \frac{3\langle 16\rangle\langle 6|1+5|4][23]^2}{[34]^2\langle 56\rangle\langle 1|2+4|3]^2} +
                                                                                                                       \frac{-45/4\langle 16\rangle\langle 6|1+5|2][23]}{[34]\langle 56\rangle\langle 1|2+4|3]^2}+
                                                                              \frac{\langle 26\rangle[23](-3[45]\langle 24\rangle\langle 14\rangle[24]-3/2[35]\langle 13\rangle\langle 23\rangle[23])}{\langle 12\rangle\langle 24\rangle[34]^2\langle 56\rangle[56]\langle 1|2+4|3]}+
                                               \frac{93/4[45]\langle 14\rangle\langle 46\rangle[12]\langle 12\rangle\ldots\langle\!\langle 9\,\mathrm{terms}\rangle\!\rangle\ldots -81/4[25]\langle 46\rangle\langle 24\rangle[24]\langle 12\rangle}{\langle 12\rangle\langle 24\rangle[34]\langle 56\rangle[56]\langle 1|2+4|3]} + \\
                                                                                                      \frac{\langle 46 \rangle \langle 34 \rangle (3/2[45]\langle 14 \rangle + 3/2[25]\langle 12 \rangle)}{\langle 12 \rangle \langle 24 \rangle \langle 56 \rangle [56]\langle 1|2 + 4|3]}
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