```
\frac{6\langle 34\rangle[34]\langle 36\rangle\langle 46\rangle}{\langle 23\rangle\langle 56\rangle\langle 1|2+4|3|\langle 3|5+6|3|} +
                                                                                                                 \frac{-6\langle 34\rangle^2[35][45]}{\langle 23\rangle[56]\langle 1|2+4|3|\langle 3|5+6|3|} +
               \frac{\langle 4|2+3|1](s_{124}-s_{134})(3(13)(26)\langle 46)-3/2(14)\langle 26\rangle\langle 36\rangle-9/4(12)\langle 36\rangle\langle 46\rangle)}{(14)\langle 23\rangle\langle 56\rangle\langle 2|1+4|3|\Delta_{23}|14|56}+
                                     \frac{\langle 24\rangle\langle 4|2+3|1](s_{124}-s_{134})(3/2\langle 14\rangle\langle 36)[45]+3/4\langle 13\rangle\langle 6|1+4|5])}{\langle 14\rangle\langle 23\rangle\langle 56\rangle[56]\langle 2|1+4|3]\Delta_{23}|14|56}+
                                           \frac{\langle 46 \rangle (s_{124} - s_{134}) (s_{123} - s_{234}) (-9/8 \langle 23 \rangle \langle 46 \rangle - 3/8 \langle 24 \rangle \langle 36 \rangle)}{\langle 14 \rangle \langle 23 \rangle \langle 56 \rangle \langle 2 | 1 + 4 | 3 | \Delta_{23} | 14 | 56} + \frac{\langle 46 \rangle (s_{124} - s_{134}) (s_{123} - s_{234}) (-9/8 \langle 23 \rangle \langle 46 \rangle - 3/8 \langle 24 \rangle \langle 36 \rangle)}{\langle 14 \rangle \langle 23 \rangle \langle 56 \rangle \langle 2 | 1 + 4 | 3 | \Delta_{23} | 14 | 56}
                   \frac{(s_{124}-s_{134})(s_{123}-s_{234})(3/8\langle23\rangle\langle34)[35]\langle46\rangle-3/8\langle24\rangle\langle36\rangle\langle4|1+6|5])}{(14)\langle23\rangle\langle56\rangle[56]\langle2|1+4|3|\Delta_{23}|14|56}+
                                                                                  \frac{\langle 24 \rangle (-3/2[25] \langle 26 \rangle \langle 34 \rangle + 3/2 \langle 36 \rangle \langle 4|1+2|5])}{\langle 14 \rangle \langle 23 \rangle \langle 56 \rangle [56] \langle 2|1+4|3]} +
                                                                                                                               \frac{-13/2[24]\langle 34\rangle\langle 46\rangle^2}{\langle 14\rangle\langle 56\rangle\langle 4|2+3|4]^2}
                                                                                                                     \frac{-7/12[14][24]\langle 34\rangle\langle 46\rangle^2[56]}{\langle 4|2+3|4]^2\langle 4|5+6|4]s_{123}} +
                                                                                                                 \frac{29/4[24]\langle 34\rangle\langle 46\rangle^2}{\langle 14\rangle\langle 56\rangle\langle 4|2+3|4]\langle 4|5+6|4|} +
                                                                                                       \frac{-1\langle 34\rangle\langle 46\rangle^2\langle 3|1+2|4]}{\langle 14\rangle\langle 23\rangle\langle 56\rangle\langle 4|2+3|4]\langle 4|5+6|4]}+
                                                                                                        \frac{-51/4[24]\langle 46\rangle^2\langle 4|1+3|2]}{\langle 14\rangle[23]\langle 56\rangle\langle 4|2+3|4]\langle 4|5+6|4|} +
                                                                                                                        \frac{-1/2\langle 34\rangle\langle 46\rangle^2[56]}{\langle 14\rangle\langle 24\rangle\langle 4|2+3|4]s_{123}} +
                                                                                                     \frac{-51/4\langle 34\rangle^2[34]\langle 46\rangle^2[56]}{\langle 14\rangle\langle 24\rangle\langle 4|2+3|4]\langle 4|5+6|4]s_{123}} + \\
                                                                                            \frac{49/4\langle 24\rangle\langle 34\rangle\langle 46\rangle^2[56]\langle 3|1+2|4]}{\langle 14\rangle\langle 23\rangle\langle 24\rangle\langle 4|2+3|4]\langle 4|5+6|4]s_{123}}
                                                                                            \frac{8\langle 24\rangle\langle 34\rangle^2[45]\langle 46\rangle s_{\textstyle 123}}{\langle 14\rangle\langle 23\rangle\langle 24\rangle\langle 4|2+3|4|\langle 4|5+6|4|s_{\textstyle 123}}+
                                                                                             \frac{-49/4\langle 24\rangle[24]\langle 46\rangle^2[56]\langle 4|1+3|2]}{\langle 14\rangle[23]\langle 24\rangle\langle 4|2+3|4]\langle 4|5+6|4]s_{123}} + \\
                                                                                                      \frac{-9/4\langle 13\rangle\langle 34\rangle[45]\langle 46\rangle s_{\mbox{\bf 123}}}{\langle 14\rangle\langle 23\rangle\langle 1|2+3|4]\langle 4|5+6|4]s_{\mbox{\bf 123}}} +
                                                                                                     \frac{-3\langle 34\rangle\langle 46\rangle\langle 1|2+3|5]\langle 3|1+2|4]}{\langle 14\rangle\langle 23\rangle\langle 1|2+3|4]\langle 4|5+6|4]s_{123}}
                                                                                                                        \frac{-1\langle 34\rangle^2[45]\langle 46\rangle}{\langle 14\rangle\langle 23\rangle\langle 4|5+6|4]s_{123}}+
                                                                                                                 \frac{51/4[23]\langle 34\rangle[45]\langle 46\rangle}{[23]\langle 24\rangle\langle 1|2+3|4]\langle 4|5+6|4|} +
                                                                                                          \frac{-1/2[12]\langle 24\rangle[24][45]\langle 46\rangle}{[14][23]\langle 24\rangle\langle 1|2+3|4|\langle 4|5+6|4|} +
                                                                                                                      \frac{-5/4\langle13\rangle^2\langle46\rangle^2[56]}{\langle14\rangle^2\langle23\rangle\langle1|2+3|4]s_{123}}
                                                                                                             \frac{1/3\langle13\rangle^2\langle46\rangle^2\langle4|5+6|4]}{\langle14\rangle^2\langle23\rangle\langle56\rangle\langle1|2+3|4]s_{123}} +
\frac{\langle 46 \rangle (-403/36\langle 13 \rangle \langle 24 \rangle [25] + 53/4\langle 13 \rangle \langle 34 \rangle [35] + 51/4\langle 12 \rangle [25] \langle 34 \rangle + 1/2\langle 13 \rangle \langle 14 \rangle [15])}{\langle 14 \rangle \langle 24 \rangle \langle 1[2+3] 4] s_{123}} + \\
                                                                                                                       \frac{419/18\langle 24\rangle\langle 34\rangle[45]\langle 46\rangle}{\langle 14\rangle\langle 24\rangle\langle 2|1+3|4]s_{123}}+
                                                                      \frac{401/18\langle 34 \rangle \langle 36 \rangle \langle 1|2+3|5]-421/36\langle 13 \rangle^2 [15]\langle 46 \rangle}{\langle 14 \rangle \langle 23 \rangle \langle 1|2+3|4] s_{123}} +
                                                                                                                   \frac{-419/18\langle 24\rangle\langle 34\rangle\langle 36\rangle[45]}{\langle 14\rangle\langle 23\rangle\langle 2|1+3|4]s_{1\,23}} +
                                                                                                      \frac{419/18\langle 13\rangle\langle 24\rangle\langle 34\rangle[45]^2\langle 56\rangle}{\langle 14\rangle\langle 23\rangle\langle 1|2+3|4]\langle 2|1+3|4]s_{123}} +
                                                                                     \frac{419/18\langle 14\rangle\langle 24\rangle^2\langle 34\rangle[45]^2\langle 3|1+2|4|}{\langle 14\rangle\langle 23\rangle\langle 24\rangle[56]\langle 1|2+3|4]\langle 2|1+3|4]s_{123}}+
                                                                                                      \frac{419/18\langle 12\rangle[12]\langle 16\rangle\langle 23\rangle[35]}{\langle 23\rangle\langle 1|2+4|3|\langle 1|2+3|4|\langle 2|1+4|3|} +
                         \frac{[34]\langle 34\rangle (12\langle 12\rangle [45]\langle 46\rangle -6\langle 14\rangle \langle 26\rangle [45]+6\langle 12\rangle [35]\langle 36\rangle -6\langle 13\rangle \langle 26\rangle [35])}{\langle 23\rangle \langle 1[2+4]3]\langle 1[2+3]4]\langle 2[1+4]3]}+
                                                                                             \frac{6\langle 16\rangle\langle 34\rangle[34]\langle 46\rangle\langle 2|1+3|4]}{\langle 23\rangle\langle 56\rangle\langle 1|2+4|3|\langle 1|2+3|4|\langle 2|1+4|3|}+
                                                                                                                 \frac{-6\langle 16\rangle\langle 24\rangle\langle 34\rangle[45]}{\langle 14\rangle\langle 23\rangle\langle 1|2+3|4]\langle 2|1+4|3]} + \\
                        \frac{419/18\langle14\rangle\langle24\rangle[34]\langle36\rangle^2\dots\langle\!\{4\,\mathrm{terms}\}\!\!\}\dots-311/9\langle13\rangle\langle24\rangle[34]\langle36\rangle\langle46\rangle}{\langle14\rangle\langle23\rangle\langle56\rangle\langle1[2+3|4]\langle2[1+4|3]}+
                                                                                                        \frac{6\langle 13\rangle\langle 24\rangle^2[25][45]}{\langle 14\rangle\langle 23\rangle[56]\langle 1|2+3|4]\langle 2|1+4|3]} +
                                                                                                                   \frac{455/18\langle13\rangle\langle36\rangle\langle4|1+6|5]}{\langle14\rangle\langle23\rangle\langle56\rangle[56]\langle1|2+3|4|} +
                          \frac{401/18\langle 14\rangle\langle 34\rangle\langle 36\rangle[45]+521/18\langle 13\rangle\langle 36\rangle\langle 46\rangle[56]+3\langle 13\rangle\langle 34\rangle[45]\langle 46\rangle}{\langle 14\rangle\langle 23\rangle\langle 56\rangle[56]\langle 1]2+3|4|}+
                                                                                                   \frac{-527/18\langle 14\rangle\langle 26\rangle\langle 36\rangle(s_{13}-s_{24})}{\langle 14\rangle\langle 23\rangle\langle 56\rangle\langle 1|2+3|4]\langle 2|1+4|3]}+
                                     \frac{365/18\langle 24\rangle\langle 36\rangle\langle 46\rangle[56]-473/18\langle 23\rangle\langle 46\rangle^2[56]+3\langle 26\rangle\langle 34\rangle^2[35]}{\langle 14\rangle\langle 23\rangle\langle 56\rangle[56]\langle 2[1+4|3]}+
                                                                                                                         (123456 \rightarrow -\overline{432165})
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