```
\frac{-12\langle 26\rangle[35]\langle 34\rangle[13]s_{\textstyle 123}}{\langle 2|1+4|3]^3\langle 3|5+6|3]}+
\frac{\langle 34 \rangle \langle 36 \rangle (8 \langle 23 \rangle \langle 24 \rangle \langle 26 \rangle [34][23]^2 \dots \langle 4 \, \text{terms} \rangle \dots + 8 \langle 24 \rangle \langle 26 \rangle [34][13][23] \langle 13 \rangle)}{\langle 12 \rangle \langle 56 \rangle (2|1+4|3|^2 \langle 3|5+6|3|^2)} + \\
                    \frac{\langle 26\rangle(6\langle 46\rangle\langle 23\rangle[13][23]\langle 13\rangle\ldots\langle\!\langle 3\,\mathrm{terms}\rangle\!\rangle\ldots-8\langle 12\rangle\langle 24\rangle\langle 36\rangle[12][23])}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3]^2\langle 3|5+6|3|}+
                                                                                                       \frac{8\langle 46\rangle\langle 24\rangle\langle 34\rangle[34]^2\langle 36\rangle}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3]^2\langle 3|5+6|3]}+
                     \frac{[35](-14[25]\langle 13\rangle\langle 24\rangle^2[14]\dots\langle (9~\text{terms})\!)\dots + 2[45]\langle 12\rangle\langle 24\rangle\langle 34\rangle[12])}{\langle 12\rangle[56]\langle 2[1+4|3]^2\langle 3|5+6|3]} +
                                                  \frac{\langle 26 \rangle (-2\langle 14 \rangle \langle 36 \rangle [13] \ldots \langle \! \langle 3\, \text{terms} \rangle \! \rangle \ldots + 2\langle 34 \rangle [34] \langle 46 \rangle )}{\langle 12 \rangle \langle 56 \rangle \langle 2|1 + 4|3]^2} + \\
                                                    \frac{[35](10\langle 34\rangle\langle 24\rangle[45]\ldots\langle\!\langle 3\,\mathrm{terms}\rangle\!\rangle\ldots-2\langle 12\rangle[15]\langle 34\rangle)}{\langle 12\rangle[56]\langle 2|1\!+\!4|3]^2}+
                                                                                                  \frac{-6\langle 4|1+2|3]\langle 34\rangle[34]\langle 36\rangle^2s_{\textstyle 123}}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3]\langle 3|5+6|3|^3}+
                               \frac{\langle 34\rangle\langle 36\rangle(-3\langle 34\rangle[34]^2\langle 46\rangle\ldots\langle\!\langle\!\langle 1\text{erms}\rangle\!\rangle\ldots-7\langle 12\rangle[23]\langle 26\rangle[12])}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3]\langle 3|5+6|3]^2}+
                                                                                                       \frac{-1[35][45]\langle 4|5+6|4]\langle 34\rangle^2}{\langle 12\rangle[56]\langle 2|1+4|3]\langle 3|5+6|3]^2}+
                 \frac{\langle 46 \rangle (-5 \langle 46 \rangle \langle 23 \rangle [34][23] \langle 13 \rangle \dots \langle [9 \, terms] \rangle \dots -2[24] \langle 24 \rangle \langle 36 \rangle [34] \langle 14 \rangle )}{\langle 12 \rangle \langle 56 \rangle \langle 1 | 2+4 | 3 | \langle 2 | 1+4 | 3 | \langle 3 | 5+6 | 3 |} +
                                                                              \frac{\langle 14 \rangle \langle 36 \rangle [34] \langle 26 \rangle (-2 \langle 14 \rangle [12] + 2 [23] \langle 34 \rangle)}{\langle 12 \rangle \langle 56 \rangle \langle 1|2 + 4|3| \langle 2|1 + 4|3| \langle 3|5 + 6|3|} +
                                                  \frac{\langle 46\rangle (-9\langle 12\rangle\langle 36\rangle[12]\ldots\langle (3\,\mathrm{terms})\rangle\ldots -8\langle 46\rangle\langle 13\rangle[14])}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3|\langle 3|5+6|3|} +
                                                                                            \frac{\langle 36 \rangle \langle 26 \rangle (-1[23]\langle 34 \rangle + 10\langle 14 \rangle [12])}{\langle 12 \rangle \langle 56 \rangle \langle 2|1 + 4|3|\langle 3|5 + 6|3|} +
                                                                                                         \frac{5\langle 14\rangle\langle 36\rangle^{2}[13]}{\langle 12\rangle\langle 56\rangle\langle 2|1+4|3|\langle 3|5+6|3|} +
                                                                                               \frac{\langle 34 \rangle [45](12\langle 14 \rangle [15]+12[35]\langle 34 \rangle)}{\langle 12 \rangle [56]\langle 2|1+4|3]\langle 3|5+6|3|} +
                                                                                      \frac{-1\langle 12\rangle\langle 46\rangle^{2}[13]\langle 4|1+3|2]}{\langle 24\rangle\langle 56\rangle\langle 1|2+4|3]\langle 2|1+4|3]\langle 4|1+2|3|} +
                                               \frac{\langle 46 \rangle (-1\langle 14 \rangle \langle 26 \rangle [12] + 10/9\langle 14 \rangle \langle 36 \rangle [13] + 1[23]\langle 46 \rangle \langle 23 \rangle)}{\langle 24 \rangle \langle 56 \rangle \langle 1[2 + 4]3]\langle 2[1 + 4]3]} +
                                                    \frac{\langle 46 \rangle \langle 14[23] \langle 13 \rangle \langle 26 \rangle \dots \langle 5 \text{ terms} \rangle \dots -9 \langle 12 \rangle \langle 16 \rangle [12])}{\langle 12 \rangle \langle 56 \rangle \langle 1[2+4]3] \langle 2[1+4]3]} +
                                                                                                         \frac{-16\langle 14\rangle\langle 36\rangle[23]\langle 26\rangle}{\langle 12\rangle\langle 56\rangle\langle 1|2+4|3|\langle 2|1+4|3|} +
                                                                                                          \frac{-14\langle 14\rangle\langle 36\rangle\langle 16\rangle[13]}{\langle 12\rangle\langle 56\rangle\langle 1|2+4|3|\langle 2|1+4|3|} +
                                                                                                          \frac{14\langle 14\rangle[35][45]\langle 34\rangle}{\langle 12\rangle[56]\langle 1|2+4|3]\langle 2|1+4|3|} +
                                                                                                          \frac{14[35]^2\langle 13\rangle\langle 34\rangle}{\langle 12\rangle[56]\langle 1|2+4|3]\langle 2|1+4|3|} +
                                                                                                \frac{-4\langle 13\rangle\langle 26\rangle^2[13]\langle 34\rangle}{\langle 12\rangle\langle 24\rangle\langle 56\rangle\langle 2|1+4|3|\langle 2|1+3|4|} +
                                                                                                                  \frac{2\langle 34\rangle\langle 26\rangle[45]}{\langle 12\rangle\langle 2|1+4|3|\langle 2|1+3|4|} +
                                                                                                          \frac{-2\langle 34\rangle\langle 24\rangle[45]^2}{\langle 12\rangle[56]\langle 2|1{+}4|3]\langle 2|1{+}3|4]} +
                                                                      \frac{\langle 34\rangle\langle 36\rangle\langle 4\langle 14\rangle[34]\langle 16\rangle[12]-4\langle 12\rangle[23]^2\langle 36\rangle)}{\langle 12\rangle\langle 56\rangle\langle 1|2+4|3]\langle 3|5+6|3]^2}+
                                                                         \frac{\langle 36\rangle\langle 34\rangle\langle 4[23]\langle 36\rangle+1[24]\langle 46\rangle+11\langle 16\rangle[12])}{\langle 12\rangle\langle 56\rangle\langle 3|5+6|3]^2}+
                                                                                                       \frac{4\langle 16\rangle^2\langle 34\rangle[23]s_{\textstyle 123}}{\langle 12\rangle\langle 56\rangle\langle 1|2+4|3]^2\langle 3|5+6|3]}+
                \frac{\langle 46\rangle (-4[24]\langle 14\rangle \langle 36\rangle +6[24]\langle 13\rangle \langle 46\rangle -19[23]\langle 13\rangle \langle 36\rangle -12\langle 16\rangle \langle 13\rangle [12])}{\langle 12\rangle \langle 56\rangle \langle 1[2+4]3]\langle 3[5+6]3]} +
                                                                                                   \frac{\langle 14\rangle\langle 36\rangle\langle 2[23]\langle 36\rangle + 2\langle 16\rangle[12]\rangle}{\langle 12\rangle\langle 56\rangle\langle 1|2 + 4|3]\langle 3|5 + 6|3|} +
                                                                                                          \frac{-2[25]\langle 34\rangle\langle 14\rangle[45]}{\langle 12\rangle[56]\langle 1|2+4|3|\langle 3|5+6|3|} +
                                                                                                          \frac{-18[35][25]\langle 13\rangle\langle 34\rangle}{\langle 12\rangle[56]\langle 1|2+4|3]\langle 3|5+6|3]} +
                                                                                         \frac{-1/3\langle 46\rangle^2\langle 23\rangle[24]\langle 34\rangle[12][56]}{\langle 24\rangle(\langle 3|2|5+6|4|3]-\langle 2|1|5+6|4|2])^2} + \\
                                                           \frac{\langle 34 \rangle^2 \langle 3|1+2|4] \langle 46 \rangle (2/3[23] \langle 26 \rangle + 2/3[34] \langle 46 \rangle)}{\langle 24 \rangle^2 \langle 56 \rangle \langle 1|2+3|4] (\langle 3|2|5+6|4|3] - \langle 2|1|5+6|4|2])} +
                                  \frac{\langle 34 \rangle \langle 46 \rangle (2/3 \langle 46 \rangle \langle 34 \rangle [14] - 2/3 \langle 23 \rangle \langle 46 \rangle [12] - 2/3 \langle 36 \rangle \langle 24 \rangle [12])}{\langle 24 \rangle^2 \langle 56 \rangle (\langle 3|2|5 + 6|4|3] - \langle 2|1|5 + 6|4|2])} + \\
                                                                                              \frac{-4\langle 14\rangle\langle 34\rangle\langle 26\rangle^2\langle 1|3+4|2]}{\langle 12\rangle\langle 24\rangle^2\langle 56\rangle\langle 1|2+4|3]\langle 1|2+3|4]}+
                                                                                                                          \frac{-4\langle 34\rangle\langle 46\rangle^2}{\langle 24\rangle^2\langle 56\rangle\langle 1|2{+}4|3]} +
                                                                                      \frac{\langle 16\rangle\langle 34\rangle\langle 26\rangle(-4[24]\langle 14\rangle -8[23]\langle 13\rangle)}{\langle 12\rangle\langle 24\rangle\langle 56\rangle\langle 1|2+4|3|\langle 1|2+3|4|} +
                                                                                                          \frac{-4[24]\langle 16 \rangle \langle 34 \rangle \langle 46 \rangle}{\langle 24 \rangle \langle 56 \rangle \langle 1|2+4|3|\langle 1|2+3|4|} +
                                                                                                          \frac{10/9[35]\langle 14\rangle\langle 34\rangle\langle 46\rangle}{\langle 12\rangle\langle 24\rangle\langle 1|2+4|3|\langle 4|1+2|3|} +
                                                 \frac{\langle 14 \rangle \langle 46 \rangle^2 (10/9 \langle 14 \rangle [14] + 10/9 [24] \langle 24 \rangle + 28/9 \langle 12 \rangle [12])}{\langle 12 \rangle \langle 24 \rangle \langle 56 \rangle \langle 1[2+4]3] \langle 4[1+2]3]} + \\
                                                                                                  \frac{10/9[35]^2\langle 14\rangle\langle 34\rangle^2}{\langle 12\rangle\langle 24\rangle[56]\langle 1|2+4|3]\langle 4|1+2|3|} +
                                                                                                        \frac{4\langle 34\rangle[45]^2s_{123}\langle 23\rangle}{\langle 12\rangle[56]\langle 2|1+3|4]^2\langle 4|5+6|4|}+
                                                                                                                \frac{8/3\langle 34 \rangle^2 \langle 46 \rangle [45]}{\langle 24 \rangle^2 \langle 1|2+3|4] \langle 4|5+6|4]} +
                                                                                                                           \frac{-8/3\langle34\rangle\langle36\rangle\langle46\rangle}{\langle24\rangle^2\langle56\rangle\langle1|2+3|4|} +
                                                                                                                 \frac{4\langle 34\rangle\langle 46\rangle^2\langle 23\rangle}{\langle 12\rangle\langle 24\rangle^2\langle 56\rangle\langle 4|5+6|4]}
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