```
\frac{7/12[12]^2[15]\langle 16 \rangle}{[14][23]\langle 1|5+6|1|^2}+
                         \frac{5/12[13][15]\langle 16\rangle[24]\langle 34\rangle}{+}
                           [34]\langle 1|5+6|1|^2\langle 3|2+4|3|
                       \frac{-5/4[15][23]^2\langle 36\rangle}{[23][34]\langle 1|5+6|1]\langle 3|2+4|3|} +
                      \frac{1[13][23]\langle 36\rangle^2}{[34]\langle 56\rangle\langle 3|2+4|3]\langle 3|5+6|3|} +
                                             1[13][35](36)
                             34|(2|1+4|3|(3|5+6|3|+
                             \frac{7/12[12]\langle 13\rangle[15]^2\langle 56\rangle}{[14]\langle 1|2+3|1|^2s_{234}} +
                       \frac{11/12[12]^2[15]\langle 16\rangle}{[14][23]\langle 1|2+3|1]\langle 1|5+6|1]} +
  \frac{\langle 16 \rangle \langle 6|1+5|2] (-3[12][34]+5/4[13][24])}{[23][34]\langle 56 \rangle \langle 1|5+6|1]\langle 1|2+3|4]} +
                       \frac{-1/6[12][15]\langle 16\rangle[24]}{[14][23]\langle 1|5+6|1]\langle 1|2+3|4]} +
                   \frac{1/2\langle 13\rangle[15]\langle 56\rangle\langle 1|2+3|5]}{\langle 12\rangle\langle 1|2+3|1]\langle 1|2+3|4]s_{234}} + \\
                    \frac{-1/12[12]\langle 13\rangle[15]\langle 6|1+5|4]}{[14]\langle 1|2+3|1]\langle 1|2+3|4|s_{234}} +
                    \frac{-1/2[45]\langle 6|1+5|2][1|2+4|1\rangle}{\langle 12\rangle[14][23]\langle 1|2+3|4]s_{234}} +
                         \frac{163/12[12]\langle 16\rangle\langle 6|2+4|3]}{\langle 12\rangle[23][34]\langle 56\rangle_{S_{234}}} +
                            \frac{71/6[12]\langle 16\rangle\langle 6|1+5|4]}{[34]\langle 56\rangle\langle 1|2+3|4]s_{234}} +
                     \frac{-157/12[12]\langle 13\rangle[13]\langle 16\rangle^2}{\langle 12\rangle[23]\langle 56\rangle\langle 1|2+3|4]s_{234}} + \\
                                \frac{157/12[25]\langle 6|1+5|2]}{[23]\langle 1|2+3|4]s_{234}} +
                            \frac{1/2\langle 6|1\!+\!5|2][5|3\!-\!4|1\rangle}{\langle 12\rangle[23]\langle 1|2\!+\!3|4]s_{234}} +
                           \frac{157/12[12]\langle 13\rangle\langle 16\rangle[35]}{\langle 12\rangle[23]\langle 1|2+3|4]s_{{\small 234}}} + \\
                                    \frac{7/4[25]\langle 6|1+5|4]}{[34]\langle 1|2+3|4]s_{234}} +
                                        \frac{3/4[15]\langle 34\rangle\langle 36\rangle}{\langle 23\rangle\Delta_{32|14|56}} +
                                         \frac{3/4[12][25]\langle 46 \rangle}{[23]\Delta_{32|14|56}} +
              \frac{-3/8\langle13\rangle[15]\langle36\rangle(s_{132}\!-\!s_{324})}{\langle23\rangle\langle1|2\!+\!3|4]\Delta_{32}|14|56}+
                 \frac{3/8[24][25]\langle 46\rangle(s_{{\small 1}32}{-}s_{{\small 3}24})}{[23]\langle 1|2{+}3|4]\Delta_{{\small 3}2|14|56}}+
\frac{-1/8\langle 6|1+4|5](s_{{\small 132}}-s_{{\small 324}})(s_{{\small 134}}-s_{{\small 124}})}{\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{{\small 32}|14|56}}+
                                   \frac{-1/2\langle 6|1+4|5|}{\langle 1|2+3|4]\langle 2|1+4|3|}
```