```
2/3i[12]^3\langle 16\rangle^3\langle 23\rangle
                                                                                                                                                                                                    \frac{1}{\langle 12 \rangle \langle 14 \rangle \langle 45 \rangle \langle 56 \rangle [23] \langle 1|2+3|1|^2}
                                                                                                                                                                                                    \frac{-1i[12]^2\langle 16\rangle^2\langle 13\rangle\langle 46\rangle}{\langle 12\rangle\langle 14\rangle^2\langle 45\rangle\langle 56\rangle[23]\langle 1|2+3|1]}+
                                                                                                                                                                                       \frac{-1/3i[12]^3\langle 16\rangle^3\langle 23\rangle}{\langle 12\rangle\langle 14\rangle\langle 45\rangle\langle 56\rangle[23]\langle 1|2+3|1]s_{123}} +
                                                                                                                                                                                                        \frac{-1i[12]^2\langle 16\rangle^2\langle 36\rangle}{\langle 12\rangle\langle 14\rangle\langle 45\rangle\langle 56\rangle[23]\langle 1|2+3|1]}+
                                                                                                                                                                                     \frac{-2/3i\langle 56\rangle[15]^3\langle 13\rangle^4}{\langle 12\rangle\langle 14\rangle\langle 15\rangle\langle 23\rangle\langle 34\rangle[56]\langle 1|5+6|1]^2} + \\
                                                                                                                                                                                                                               -1i\langle 16\rangle\langle 13\rangle^{3}[15]^{2}\langle 34\rangle
                                                                                                                                                                                     \frac{\langle 12\rangle\langle 14\rangle^2\langle 15\rangle\langle 23\rangle\langle 34\rangle[56]\langle 1|5+6|1]}{\langle 12\rangle\langle 14\rangle^2\langle 15\rangle\langle 23\rangle\langle 34\rangle[56]\langle 1|5+6|1]} +
                                                                                                                                                                                     \frac{-1i\langle 16\rangle\langle 13\rangle^3[15]^2\langle 35\rangle}{\langle 12\rangle\langle 14\rangle\langle 15\rangle^2\langle 23\rangle\langle 34\rangle[56]\langle 1|5+6|1|} +
                                                                                                                                                                        \frac{1/3i\langle 56\rangle[15]^3\langle 13\rangle^4}{\langle 12\rangle\langle 14\rangle\langle 15\rangle\langle 23\rangle\langle 34\rangle[56]\langle 1|5+6|1]s_{234}} +
                                                                                                                                                                                                                  1/2i\langle 12\rangle\langle 45\rangle[25]^2\langle 13\rangle\langle 46\rangle
                                                                                                                                                                                                        \frac{1/20\langle 22/\langle 24\rangle\langle 25\rangle\langle 24\rangle\langle 45\rangle[23][56]}{\langle 12\rangle\langle 14\rangle^2\langle 15\rangle\langle 24\rangle\langle 45\rangle[23][56]}
                                                                                                                                                                                                    \frac{-1/2i\langle 12\rangle\langle 45\rangle\langle 36\rangle^2\langle 13\rangle\langle 46\rangle}{\langle 12\rangle\langle 14\rangle^2\langle 15\rangle\langle 23\rangle\langle 24\rangle\langle 45\rangle\langle 56\rangle} +
                                                                                                                                                                            \frac{-1/2i\langle 35\rangle\langle 45\rangle\langle 25\rangle\langle 13\rangle^{3}[15]^{2}}{\langle 12\rangle\langle 14\rangle\langle 15\rangle^{2}\langle 23\rangle\langle 25\rangle\langle 34\rangle\langle 45\rangle[16][56]} +
                                                                                                                                                                                         -1/6i[12]\langle 14\rangle^2\langle 16\rangle\langle 23\rangle\langle 25\rangle^2[45]^3
                                                                                                                                                                      (12)^{2}(14)(15)(24)(25)[34][56]s_{123}s_{345}
                                                                                                                                                                                                                                     (123456 \rightarrow 456123) +
                                                                                                                                                                                                                                     (123456 \rightarrow 543216) +
                                                                                                                                                                                                                                     (123456 \rightarrow 216543) +
\frac{-5/3i\langle12\rangle^2[12]^2\langle16\rangle^3[16]^3\langle36\rangle\dots\langle\langle161\,\mathrm{terms}\rangle\dots+1/3i\langle13\rangle[14][23]\langle24\rangle\langle36\rangle^3[36]^2\langle46\rangle[46]}{\langle12\rangle\langle14\rangle\langle15\rangle[16]\langle23\rangle[23]\langle24\rangle[34]\langle45\rangle\langle56\rangle[56]s_{123}}+
                 \frac{-1/3i\langle12\rangle^4[12]^4\langle23\rangle[23]\langle36\rangle\dots\langle\langle214\,\mathrm{terms}\rangle\rangle\dots+1/3i\langle13\rangle[14]\langle23\rangle[23]^2\langle24\rangle\langle36\rangle^3[36]^2}{\langle12\rangle\langle14\rangle\langle15\rangle[16]\langle23\rangle[23]\langle24\rangle[34]\langle45\rangle\langle56\rangle[56]s_{234}}+
                          \frac{1/3i\langle12\rangle^3[12]^3\langle23\rangle[23]\langle36\rangle\dots\langle(245\,\mathrm{terms})\|\dots-1/2i\langle16\rangle[16]\langle26\rangle[26]\langle36\rangle\langle46\rangle^2[46]^2}{\langle12\rangle\langle14\rangle\langle15\rangle[16]\langle23\rangle[23]\langle24\rangle[34]\langle45\rangle\langle56\rangle[56]} +
                                                                                                                                                                                                                                     (123456 \rightarrow 543216) +
           \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14]\langle 34 \rangle [34][45] \dots \langle (78\,\mathrm{terms}) \dots + 1/3i[12]^2 \langle 23 \rangle \langle 24 \rangle^2 [24]^2 [34][45])}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45][56] s_{123} s_{345}} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[34][45] \dots \langle (78\,\mathrm{terms}) \dots + 1/3i[12]^2 \langle 23 \rangle \langle 24 \rangle^2 [24]^2 [34][45])}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[34][45] \dots \langle (78\,\mathrm{terms}) \dots + 1/3i[12]^2 \langle 23 \rangle \langle 24 \rangle^2 [24]^2 [34][45])}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[34][45] \dots \langle (78\,\mathrm{terms}) \dots + 1/3i[12]^2 \langle 23 \rangle \langle 24 \rangle^2 [24]^2 [34][45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[34][45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[34][45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [34][45]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [14]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [14]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [14]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16][23]\langle 24 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]^3 [14](34)[45]}{\langle 12 \rangle \langle 15 \rangle [16]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 15 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 12 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 12 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 12 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 12 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 12 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 12 \rangle [12]} + \frac{\langle 14 \rangle (1/3i\langle 12 \rangle^2 [12]}{\langle 12 \rangle \langle 1
                  \frac{52/3i\langle12\rangle^3\langle14\rangle\langle36\rangle[12]^3[14]^2\ldots\langle\!(504\,\mathrm{terms})\!)\ldots+1/3i\langle24\rangle\langle36\rangle^3\langle46\rangle[13][26][34][46]^2}{\langle12\rangle\langle15\rangle[16](23)[23]\langle24\rangle[34]\langle45\rangle\langle56\rangle[56]s_{123}}+
                                                                \frac{82/3i\langle12\rangle^{5}[12]^{5}\langle36\rangle^{2}\dots\langle\!\langle1573\,\mathrm{terms}\rangle\!\rangle\dots+4/3i\langle23\rangle[24]\langle36\rangle^{5}[36]^{4}\langle46\rangle}{\langle12\rangle\langle15\rangle\langle16\rangle[16]\langle23\rangle[23]\langle24\rangle\langle34\rangle[34]\langle45\rangle\langle56\rangle[56]s_{234}}+
                                           \frac{-1i\langle 12\rangle^3[12]^4\langle 13\rangle[35]\langle 36\rangle\dots\langle\!\langle 506\,\mathrm{terms}\rangle\!\rangle\dots+8/3i[25]\langle 35\rangle[35]\langle 36\rangle\langle 56\rangle^3[56]^3}{\langle 12\rangle\langle 15\rangle\langle 16\rangle[16][23]\langle 24\rangle\langle 34\rangle[34]\langle 45\rangle[56]s_{345}}+
                                                                    \frac{-82/3 i \langle 12 \rangle^4 [12]^4 \langle 36 \rangle^2 \dots \langle 1032 \, \mathrm{terms} \rangle \dots + 4 i \langle 23 \rangle [24] \langle 36 \rangle \langle 46 \rangle^4 [46]^3}{\langle 12 \rangle \langle 15 \rangle \langle 16 \rangle [16] \langle 23 \rangle [23] \langle 24 \rangle \langle 34 \rangle [34] \langle 45 \rangle \langle 56 \rangle [56]} +
                                                                                                                                                                                                                       \frac{-2/9i\langle 36\rangle^4}{\langle 12\rangle\langle 16\rangle\langle 23\rangle\langle 34\rangle\langle 45\rangle\langle 56\rangle}
```