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\frac{24 \langle 24 \rangle^2 [34] [13] [35] \langle 26 \rangle s_{\bf 56} (s_{\bf 124} - s_{\bf 134})}{\langle 2|1 + 4|3|^5} +
                                                                                                                                                                                                                                                                                                                        \frac{-12\langle 24\rangle^2\langle 3|1+4|2|[34][13](s_{14}-s_{23}-s_{134}-s_{134})[35]\langle 26\rangle\langle s_{124}-s_{134}\rangle}{\langle 2|1+4|3|^4\Delta_{14}|23|56}+
                                                                                                                                                                                                                                                                                                                                                                       18[12]\langle 24\rangle\langle 3|1+4|2]\langle 12\rangle\langle 13\rangle[13]^{2}[35]\langle 26\rangle s_{56}(s_{124}-s_{134})
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2|1+4|3]^3\Delta^2_{14|23|56}
                                                                                                                                                                                                                                                                                                                                                                                                    -12[12]\langle 4|2+3|1]\langle 12\rangle\langle 13\rangle[13][35]\langle 26\rangle(s_{124}-s_{134})
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \frac{\sqrt{2|1+4|3|^3}\Delta_{14|23|56}}{\sqrt{2|1+4|3|^3}\Delta_{14|23|56}}
                                                                                                                                                                                                                                                                                                                                        \frac{[13]\langle 32[25]\langle 23\rangle\langle 46\rangle\langle 12\rangle[13]\ldots\langle\!\langle 6\,\mathrm{terms}\rangle\!\rangle\ldots+4\langle 23\rangle\langle 46\rangle[34]\langle 34\rangle[35])}{/9|1+4|3|3}+
                                                                                                                                                                                                                                    \frac{-15/8(s_{123}-s_{234})\langle 24\rangle\langle 6|1+4|5|(s_{25}+s_{26}+s_{35}+s_{36})\langle 3|1+4|2|[13]\langle 3|1+4|3]s_{56}(s_{124}-s_{134})}{\langle 2|1+4|3|^2\Delta_{14|23|56}^3}+
                                                                                                                                                                                 \langle 4|2+3|1]\langle 3|1+4|2](s_{25}+s_{26}+s_{35}+s_{36})(-45/2\langle 13\rangle^2[35]\langle 26\rangle[13]^2\ldots \langle\!\langle 8\,\text{terms}\rangle\!\rangle\ldots +15/2[12]\langle 46\rangle\langle 12\rangle^2[14]|35\rangle) = -(45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-45/2)(-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{3/2(15)}{(2|1+4|3]^2\Delta^2_{14|23|56}}
                                                                                                                                                                                           \frac{2[12]\langle 23\rangle[35]\langle 46\rangle\ldots\langle\!\langle 5\, terms\rangle\!\rangle\ldots + 132[13][15]\langle 36\rangle\langle 14\rangle}{\langle 2|1+4|3|2} +
                                                                                                                                                                                                                                                                                   (s_{124} - s_{134})(122[24][12][25]\langle 24 \rangle^2 \langle 26 \rangle \dots \langle (9 \, \mathrm{terms}) \rangle \dots - 20[12]^2 \langle 24 \rangle \langle 13 \rangle [35] \langle 26 \rangle) \ .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \frac{(2|1+4|3|^2\Delta_{14|23|56})}{(2|1+4|3|^2\Delta_{14|23|56})}
                                                                                                                                                                                                                                                                                                      (3|1+4|2](48(23)^2(46)[13][23][35]...(6 \text{ terms})...+168(12)[13]^2[15](36)(14))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \frac{3}{(2|1+4|3]^2\Delta_{14|23|56}}
                                                                                 (s_{123} - s_{234})(3|1 + 4|2|(s_{25} + s_{26} + s_{35} + s_{36})(3|15/32|12|^2\langle 24\rangle\langle 23\rangle\langle 46\rangle[34]\langle 13\rangle[35] \dots \\ (23 \, \mathrm{terms}) \dots + 15/16|12|^2\langle 24\rangle\langle 13\rangle[13]\langle 14\rangle[45|\langle 26\rangle\rangle + 15/16|12|^2\langle 24\rangle\langle 13\rangle[13]\langle 14\rangle[13\rangle[13]\rangle + 15/16|12|^2\langle 24\rangle\langle 13\rangle[13]\rangle + 15/16|12\rangle[13]\rangle + 15/16\rangle[13]\rangle +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2|1+4|3]\Delta^3_{14|23|56}
\langle 13\rangle\langle 4|2+3|1|\langle 3|1+4|2|(s_{25}+s_{26}+s_{35}+s_{36})(-15/8\langle 46\rangle|14|^2|13|\langle 14\rangle^2|45|-15/8|12||14|^2\langle 14\rangle^2|35|\langle 26\rangle+15/8\langle 46\rangle|14|\langle 13\rangle^2|13|^2|35|-15/8|12|\langle 13\rangle^2|13|^2|35|\langle 26\rangle)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \langle 2|1+4|3]\Delta^3_{14|23|56}
                                                                                           (s_{123} - s_{234})(s_{124} - s_{134})(s_{25} + s_{26} + s_{35} + s_{36})(15/2[24][34][13](36)\langle 34\rangle^3[35] \dots \\ (32 \, \mathrm{terms}) \dots + 45/32[12]\langle 46\rangle[14]\langle 13\rangle^2[13][15]\langle 14\rangle) + (13)^2[13](15/2[24][34][13]\langle 13\rangle(13) + (13)^2[13](15/2[24][34][13]\langle 13\rangle(13) + (13)^2[13](15/2[24][34][13]\langle 13\rangle(13) + (13)^2[13](15/2[24][34][13](13)\langle 13\rangle(13) + (13)^2[13](13)\langle 13\rangle(13) + (13)^2[13)\langle 13\rangle(13) + (13)^2[13](13)\langle 13\rangle(13) + (13)^2[13)\langle 13\rangle(13) 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \langle 2|1+4|3]\Delta^3_{14|23|56}
                                                                                                                                 (13)(s_{124} - s_{134})(4|2 + 3|1](s_{25} + s_{26} + s_{35} + s_{36})(15/16[12](16)[14]^2[15](14)^2 \dots \\ \langle 4\,\text{terms} \rangle \dots - 15/4[12]^2(13)^2[13]|35|\langle 26 \rangle \rangle \ . 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2|1+4|3]\Delta^3_{14|23|56}
                                                                                                                                                                                                                            -63/2[24]^3\langle 24\rangle\langle 23\rangle\langle 46\rangle[13]\langle 34\rangle^2[35]\ldots\langle\!\langle 151\,\mathrm{terms}\rangle\!\rangle\ldots +135/4[24][25]\langle 23\rangle^2\langle 46\rangle\langle 13\rangle[13]^2\langle 34\rangle[23]_\perp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2|1+4|3]\Delta^2_{14|23|56}
                                                                                                                     \underbrace{\langle 34 \rangle (s_{123} - s_{234}) (s_{124} - s_{134}) (s_{25} + s_{26} + s_{35} + s_{36}) (-255/128[24][12] \langle 46 \rangle \langle 34 \rangle [45] \dots \\ \langle 8 \text{ terms} \rangle \dots -405/64 \langle 13 \rangle [12]^2 [35] \langle 36 \rangle) }_{-1} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \Delta^3_{14|23|56}
                                                                                                                                (s_{124} - s_{134}) \langle 4|2 + 3|1| (s_{25} + s_{26} + s_{35} + s_{36}) \langle 45/16[24][25] \langle 23\rangle \langle 36\rangle \langle 34\rangle [23] \dots \langle 9 \text{ terms} \rangle \dots - 45/32[24][12][25] \langle 12\rangle \langle 36\rangle \langle 34\rangle ) - (124) \langle 124\rangle \langle 124\rangle
                                                                                                                      (s_{123} - s_{234})\langle 3|1 + 4|2|(s_{25} + s_{26} + s_{35} + s_{36})(1095/32[24][12]\langle 23\rangle\langle 46\rangle\langle 34\rangle[35]\dots \\ (17\,\mathrm{terms})\dots -45/32[12]\langle 23\rangle\langle 36\rangle\langle 34\rangle[23][35])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \Delta^3_{14|23|56}
                                                                                                                                                          \langle 4|2+3|1]\langle 3|1+4|2](s_{25}+s_{26}+s_{35}+s_{36})(15/16[25]\langle 36\rangle\langle 14\rangle^2[14]^2\ldots \langle \langle 11\,\mathrm{terms}\rangle \rangle \ldots \\ -135/16[12]\langle 23\rangle\langle 46\rangle\langle 13\rangle[23][45]) + (13/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16)(11/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \Delta^3_{14|23|56}
                                                                                                                                                                               (s_{123} - s_{234})(s_{124} - s_{134})(15/16[24]^2[13]\langle 36\rangle\langle 34\rangle^3[35]\dots\langle\langle 30\,\mathrm{terms}\rangle\rangle\dots + 15/128[12]^2[34]\langle 13\rangle\langle 36\rangle\langle 34\rangle^2[35]) \ .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \Delta^3_{14|23|56}
                                                                                                                                                                           \langle 4|2+3|1|(s_{124}-s_{134})(15/16[24][12][14]\langle 36\rangle\langle 34\rangle\langle 14\rangle^2[45]\ldots\langle 6\,\text{terms}\rangle\ldots+15/16[12][25][14]\langle 13\rangle^2[13]\langle 36\rangle\langle 14\rangle)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \Delta^3_{14|23|56}
                                                                                                                                                                                             \Delta^3_{14|23|56}
                                                                                                                                                                                                                                                                                                                            [12]\langle 13\rangle\langle 14\rangle[14]^{2}[35]\langle 4|2+3|1]\langle 3|1+4|2](-15/8\langle 36\rangle\langle 14\rangle+15/8\langle 13\rangle\langle 46\rangle)_{\perp}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \Delta^3_{14|23|56}
                                                                                                                                                                                                                                                                             -4341/8[24]^2[13]\langle 36\rangle\langle 34\rangle^3[35]\ldots\langle\!\langle 43\,\mathrm{terms}\rangle\!\rangle\ldots+1371/8[12]^2[25]\langle 23\rangle^2\langle 46\rangle\langle 13\rangle[23]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \Delta^2_{14|23|56}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (123456 \rightarrow \overline{432165}) +
                                                                                                                                                                                                                                                                                                                                                                                                            \frac{-12(s_{123}-s_{234})\langle 24\rangle[13][35]\langle 26\rangle(s_{124}-s_{134})}{\langle 2|1+4|3|^4}+
                                                                                                                                                                                                                          \frac{-105/32(s_{123}-s_{234})(6|1+4|5](s_{25}+s_{26}+s_{35}+s_{36})s_{23}(4|2+3|1](3|1+4|2]s_{56}s_{14}(s_{124}-s_{134})}{\Delta^4_{14|23|56}(2|1+4|3]}
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