

$$\begin{aligned}
& \frac{-24[13](26)(36)(41+2+3)\Delta_{13|24|56}}{(56)(2|1+4|3)^3(3|5+6|3)} + \\
& \frac{24[13](16)(24)(26)\Delta_{13|24|56}}{(12)(56)(2|1+4|3)^3} + \\
& \frac{(24)\Delta_{13|24|56}[12](-6(24)[24](26)[35] \dots \langle 4 \text{ terms} \rangle \dots -2(12)[14][35](46))}{(12)[13](2|5+6|2)^2(2|1+4|3)^2} + \\
& \frac{12[12](14)(24)(26)[34](6|2+5|1)\Delta_{13|24|56}}{(12)[13](56)(2|5+6|2)^2(2|1+4|3)^2} + \\
& \frac{(26)(13/2(24)[24](34)^2[34]^3(46) \dots \langle 31 \text{ terms} \rangle \dots -2[12](13)(14)[14](24)[34]^2(46))}{(12)[34](56)(2|5+6|2)(2|1+4|3)^2} + \\
& \frac{[35](24)(9/2(13)[13](23)[24](34)[34][35] \dots \langle 20 \text{ terms} \rangle \dots -9(13)[13](23)^2[23]^2[45])}{(12)[34][56](2|5+6|2)(2|1+4|3)^2} + \\
& \frac{(26)(49/2(34)^2[34]^3(46) \dots \langle 32 \text{ terms} \rangle \dots +43/2(12)[12](23)[23][34](46))}{(12)[34](56)(2|1+4|3)^2} + \\
& \frac{12[12]^3(14)(26)^2\Delta_{13|24|56}}{[13](56)(2|5+6|2)^3(2|1+4|3)} + \\
& \frac{\Delta_{13|24|56}(24)[12](8[25](26)-2[35](36)-2[45](46))}{(12)[13](2|5+6|2)^2(2|1+4|3)} + \\
& \frac{10[12](24)[24](26)(46)\Delta_{13|24|56}}{(12)[13](56)(2|5+6|2)^2(2|1+4|3)} + \\
& \frac{(24)[24](26)(-4[14](24)^3[24]^3[35]+12(13)[13]^2(24)^2[24]^2[45]-12(13)^2[13]^3(24)[24][45]+4(13)^3[13]^4[45])}{(12)[13][34](56)[56](2|5+6|2)(2|1+4|3)(2|1+3|4)} + \\
& \frac{-27/4[13](23)[23](24)^3[24]^2(36)[45] \dots \langle 37 \text{ terms} \rangle \dots -5/2[12](24)^4[24]^3(26)[45]}{(12)[13](56)[56](2|5+6|2)(2|1+4|3)(2|1+3|4)} + \\
& \frac{-3(13)^2[13]^3(23)[24][35](46) \dots \langle 112 \text{ terms} \rangle \dots +3/2(13)[13]^2(34)^2[34]^2[35](36)}{(12)[13][34](56)[56](2|5+6|2)(2|1+4|3)} + \\
& \frac{481/12(14)^2[14]^2(24)^2[24][34][35](46) \dots \langle 233 \text{ terms} \rangle \dots -7/3[13](14)(24)^2[24](34)[34]^2[35](36)}{(12)[13](24)[34](56)[56](1|2+4|3)(2|1+4|3)} + \\
& \frac{-12[12]^2[24](26)^2(34)\Delta_{13|24|56}}{[13](56)(2|5+6|2)^3(2|1+3|4)} + \\
& \frac{4[12](23)[25](26)\Delta_{13|24|56}}{(12)[13](2|5+6|2)^2(2|1+3|4)} + \\
& \frac{10[12](23)[24](26)(46)\Delta_{13|24|56}}{(12)[13](56)(2|5+6|2)^2(2|1+3|4)} + \\
& \frac{[12]\Delta_{13|24|56}(-12[12](13)(23)(26)[35]+12(24)^2[24](36)[45]+12(12)[12](24)(36)[45]+12(23)^2[23][45](46))}{(12)[13](56)[56](2|5+6|2)^2(2|1+3|4)} + \\
& \frac{(23)[25]\Delta_{13|24|56}[12](-6(24)[45]+12(23)[35])}{(12)[13](56)(2|5+6|2)^2(2|1+3|4)} + \\
& \frac{3(14)^3[14]^4[35](36) \dots \langle 60 \text{ terms} \rangle \dots +5[12](13)[14](24)(34)[34]^2[35](36)}{(12)[13][34](56)[56](2|5+6|2)(2|1+3|4)} + \\
& \frac{65/2[12]^2(13)(23)[34][35](46) \dots \langle 86 \text{ terms} \rangle \dots -17/2[14](24)[24]^2(34)[35](46)}{(12)[13][34](56)[56](2|5+6|2)} + \\
& \frac{-2(16)^2(23)[23]^2\Delta_{13|24|56}}{(12)[34](56)(1|2+4|3)^2(3|5+6|3)} + \\
& \frac{-1/3[12](13)(16)^2[23](24)s_{234}}{(12)(56)(1|2+4|3)^2(3|5+6|3)} + \\
& \frac{-1/3[12](13)(16)^2[23](24)(s_{124}-s_{234})}{(12)(56)(1|2+4|3)^2(3|5+6|3)} + \\
& \frac{-4(16)^2[23](34)\Delta_{13|24|56}}{(12)(56)(1|2+4|3)^2(3|5+6|3)} + \\
& \frac{1/3(16)^2[23](34)s_{234}}{(12)(56)(1|2+4|3)^2} + \\
& \frac{1/3[12](13)(16)^2[23](24)}{(12)(56)(1|2+4|3)^2} + \\
& \frac{1/3(16)^2[23](34)(s_{124}-s_{234})}{(12)(56)(1|2+4|3)^2} + \\
& \frac{1/12[34](3|2+4|1)(4|1+3|2)(6|1+3|5)(s_{12}+s_{14}+s_{32}+s_{34})}{[13](1|2+4|3)(2|1+3|4)\Delta_{13|24|56}} + \\
& \frac{-1/24[23](s_{123}-s_{134})(3|2+4|1)(6|1+3|5)(s_{12}+s_{14}+s_{32}+s_{34})}{[13](1|2+4|3)(2|1+3|4)\Delta_{13|24|56}} + \\
& \frac{1/24[14](4|1+3|2)(6|1+3|5)(s_{12}+s_{14}+s_{32}+s_{34})(s_{124}-s_{234})}{[13](1|2+4|3)(2|1+3|4)\Delta_{13|24|56}} + \\
& \frac{(14)[12](1/2(14)^2[15](26)+1/2(14)(24)[25](26)+1(14)(24)[45](46)+1/2(12)(24)[25](46))}{(12)(24)(1|2+4|3)(4|1+2|3)} + \\
& \frac{(12)(14)(46)^2[12](-1/2(13)[13]+1/2(24)[24])}{(12)(24)(56)(1|2+4|3)(4|1+2|3)} + \\
& \frac{(14)(26)(24)(46)[12](-1/2(14)[24]-1/2(13)[23])}{(12)(24)(56)(1|2+4|3)(4|1+2|3)} + \\
& \frac{1/2(14)^3[14][15](46)}{(12)(24)(1|2+4|3)(4|1+2|3)} + \\
& \frac{1/2[12](13)(14)(24)[25][35]}{(12)[56](1|2+4|3)(4|1+2|3)} + \\
& \frac{1/2(14)(24)[24][25](34)[35]}{(12)[56](1|2+4|3)(4|1+2|3)} + \\
& \frac{(24)(46)[12](1/2(14)(36)-1(13)(46))}{(12)(24)(56)(4|1+2|3)} + \\
& \frac{(34)(46)(-1/2(14)[15]-1/2(24)[25])}{(12)(24)(4|1+2|3)} + \\
& (123456 \rightarrow 432165) + \\
& \frac{1/24(3|2+4|1)(4|1+3|2)(2|1+3|5)(6|1+5|3)(s_{12}+s_{14}+s_{32}+s_{34})}{[13](24)(1|2+4|3)(2|1+3|4)\Delta_{13|24|56}} + \\
& \frac{-1/24(16)[45](3|2+4|1)(4|1+3|2)(s_{12}+s_{14}+s_{32}+s_{34})}{(1|2+4|3)(2|1+3|4)\Delta_{13|24|56}}
\end{aligned}$$