

$$\begin{aligned}
& \frac{5(13)[25](46)(31+24)}{(12)(56)[56](12+34)s_{123}} + \\
& \frac{4(13)(46)(31+25)}{(12)^2(56)[56]s_{123}} + \\
& \frac{5[12](13)^2[15](46)}{(12)(56)[56](12+31)s_{123}} + \\
& \frac{-3[13](24)(26)[35](31+42)(s_{124}-s_{134})}{(21+43)^3\Delta_{14|23|56}} + \\
& \frac{5/2[13](24)(26)[35](31+42)^2(s_{134}-s_{124})}{(21+43)^2\Delta_{14|23|56}} + \\
& \frac{1[13](26)(34)[35](31+42)}{(21+43)^2\Delta_{14|23|56}} + \\
& \frac{1(24)[24](26)[35](31+42)(s_{13}-s_{24})}{(12+34)(21+43)^2\Delta_{14|23|56}} + \\
& \frac{(s_{124}-s_{134})[13](26)(s_{13}-s_{24})(-1/2(14)[24](36)+1/2(13)[24](46)-1/2(13)[23](36)+1/2[12](13)(16))}{(56)(12+34)(21+43)^2\Delta_{14|23|56}} + \\
& \frac{[23](s_{124}-s_{134})(26)(s_{13}-s_{24})(1/2(23)[24](46)+1/2[12](13)(26))}{(56)(12+34)(21+43)^2\Delta_{14|23|56}} + \\
& \frac{[13](26)(s_{124}-s_{134})(-1/2[24](34)(46)+1[23](34)(36)+1/2[12](13)(46))}{(56)(21+43)^2\Delta_{14|23|56}} + \\
& \frac{1[12][23](24)(26)(36)(s_{124}-s_{134})}{(56)(21+43)^2\Delta_{14|23|56}} + \\
& \frac{1/2[13](23)[25](34)[35](s_{124}-s_{134})}{[56](21+43)^2\Delta_{14|23|56}} + \\
& \frac{1/2[12](23)(24)[25][35](s_{124}-s_{134})}{[56](21+43)^2\Delta_{14|23|56}} + \\
& \frac{-4[23](26)(36)(s_{13}-s_{24})}{(56)(12+34)(21+43)^2} + \\
& \frac{-6(23)[25][35](s_{13}-s_{24})}{[56](12+34)(21+43)^2} + \\
& \frac{-35/32(23)[23](31+42)(42+31)(61+45)(s_{134}+s_{124})(s_{134}-s_{124})}{(21+43)\Delta_{14|23|56}^3} + \\
& \frac{-7/16(13)[23](26)[45](31+42)(42+31)(s_{134}-s_{124})}{(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-7/16(13)[23](36)[45](42+31)(s_{13}-s_{24})(s_{134}-s_{124})}{(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{(24)(31+42)^2(-35/8[13][35](36)+35/8[12](26)[35]+35/8[13][25](26))}{(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-15/4[13](26)(34)[35](31+42)^2}{(21+43)\Delta_{14|23|56}^2} + \\
& \frac{5/16(24)[24](26)[35](31+42)^2(s_{123}-s_{234})}{(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-1/32[23](46)(s_{123}-s_{234})(31+45)(s_{124}-s_{134})(13)(s_{23}-s_{56})}{(14)(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-1/32[12](s_{123}-s_{234})(23)[24](s_{124}-s_{134})(61+45)(s_{23}-s_{56})}{[14](12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-3/32[23](36)(46)(31+24)(s_{123}-s_{234})(s_{14}-s_{23})(s_{124}-s_{134})}{(56)(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{3/32[45](s_{123}-s_{234})(41+65)(34)[24](s_{14}-s_{23})(s_{124}-s_{134})}{[56](12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-3/32[12](13)[15][45](s_{123}-s_{234})(14)(s_{14}-s_{23})(s_{124}-s_{134})}{[56](12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{(31+42)(s_{124}-s_{134})(-1/8[12](23)[35](46)\dots\langle 11 \text{ terms} \rangle\dots+11/16[14](24)[25](46))}{(21+43)\Delta_{14|23|56}^2} + \\
& \frac{(31+42)(s_{123}-s_{234})(s_{124}-s_{134})(11/16(14)[14][15](16)\dots\langle 15 \text{ terms} \rangle\dots+1/4(23)[23][25](26))}{(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{(s_{124}-s_{134})(-25/16[12](23)[24](34)[35](46)\dots\langle 23 \text{ terms} \rangle\dots+5/16[13][23](34)^2(36)[45])}{(21+43)\Delta_{14|23|56}^2} + \\
& \frac{(s_{123}-s_{234})(s_{124}-s_{134})(-1/8(13)[13](14)[14][25](36)\dots\langle 13 \text{ terms} \rangle\dots-3/32[12](13)(23)[23][45](46))}{(12+34)(21+43)\Delta_{14|23|56}^2} + \\
& \frac{-1/2(13)[23](26)[45](31+42)(s_{13}-s_{24})}{(12+34)^2(21+43)\Delta_{14|23|56}} + \\
& \frac{1/2[12](13)[24](26)[45](s_{123}-s_{234})(s_{13}-s_{24})}{[14](12+34)^2(21+43)\Delta_{14|23|56}} + \\
& \frac{1/4(13)[23](46)(31+43)(31+45)}{(14)(12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{-1/2(13)^2[15][23](46)(31+43)}{(14)(12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{1/4(13)[14][23](34)(46)(12+35)}{(14)(12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{(s_{23}-s_{56})(5/8[12]^2(13)(14)(26)[45]\dots\langle 16 \text{ terms} \rangle\dots+1/8(24)[24]^2(34)[45](46))}{(14)[14](12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{(13)(s_{23}-s_{56})(1/4(24)[24][25](46)\dots\langle 3 \text{ terms} \rangle\dots-1/8[24](34)[35](46))}{(14)(12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{[24][12](1/2(23)(34)[34][35](36)\dots\langle 11 \text{ terms} \rangle\dots-1/4(23)(24)[24][45](46))}{[14](12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{(36)(9/4(24)^2[24]^3(46)\dots\langle 17 \text{ terms} \rangle\dots+1(12)^2[12]^2[23](36))}{(56)(12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{[45](3/2(24)[24]^2(34)^2[35]\dots\langle 9 \text{ terms} \rangle\dots+3/4[12]^2(13)(14)(24)[45])}{[56](12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{-1/8(14)^2[14]^2[25](36)\dots\langle 54 \text{ terms} \rangle\dots-1/2(13)[13](23)[23][25](36)}{(12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{(s_{14}-s_{23})(-1/8(14)^2[14]^2[25](36)\dots\langle 32 \text{ terms} \rangle\dots-9/8(12)[12]^2(13)[35](36))}{(56)[56](12+34)(21+43)\Delta_{14|23|56}} + \\
& \frac{1/2(23)[24][35](36)+1/2(23)[24][25](26)+1/2(23)[24][45](46)-5/2[12](13)(26)[45]}{(12)[14](12+34)(21+43)} + \\
& \frac{-2(13)^2[13][35](36)\dots\langle 22 \text{ terms} \rangle\dots+2(14)(24)[24](36)[45]}{(12)(56)[56](12+34)(21+43)} + \\
& \frac{-1/2(13)[13][25](36)\dots\langle 4 \text{ terms} \rangle\dots+1/2(24)[24][25](36)}{(14)[14](12+34)(21+43)} + \\
& \frac{-2(14)[35](36)(15+61)}{(12)(56)[56](12+43)(21+43)} + \\
& \frac{[45](2[12](13)(24)(26)\dots\langle 3 \text{ terms} \rangle\dots+2(12)[12](23)(46))}{(12)(56)[56](21+43)(21+34)} + \\
& \frac{-21/8(14)[15](36)\dots\langle 3 \text{ terms} \rangle\dots-1(34)[45](46)}{(12)(56)[56](21+43)} + \\
& \frac{1/2(13)[23](36)[45](31+42)}{(12+34)^2\Delta_{14|23|56}} + \\
& \frac{-1/2[12](13)[24](36)[45](s_{123}-s_{234})}{[14](12+34)^2\Delta_{14|23|56}} + \\
& \frac{(13)(5(13)(24)[24][45](46)\dots\langle 12 \text{ terms} \rangle\dots+1(12)(23)[23][25](36))}{(12)^2(56)[56](12+31)(12+34)} + \\
& \frac{(13)(-3(14)(36)[45]-9(13)[25](26)-7(13)[45](46)-7(13)[15](16))}{(12)^2(56)[56](12+34)} + \\
& \frac{3[12](13)^2[15](16)}{(12)(14)[14](15+61)(12+34)} + \\
& \frac{2[12](13)(16)[45]}{(12)[14](12+43)(12+34)} + \\
& \frac{-2[12](13)(16)^2}{(12)(56)(12+43)(12+34)} + \\
& \frac{1(12)[24][25](34)(36)\dots\langle 5 \text{ terms} \rangle\dots-1[12](13)^2[35](36)}{(12)(14)[14](12+31)(12+34)} + \\
& \frac{(36)(1(23)[24][25]-1[12](13)[45])}{(12)[14](12+31)(12+34)} + \\
& \frac{107/8(13)(25)(36)}{(12)(56)[56](12+34)} + \\
& \frac{-2(14)(16)(31+45)}{(12)^2(56)[56](12+43)} + \\
& \frac{(13)(5(13)[15](46)+1(23)[25](46)-1(24)[25](36)-1(34)[45](46))}{(12)^2(56)[56](12+31)} + \\
& \frac{2[12](13)[15](16)}{(12)[14](15+61)(12+43)} + \\
& \frac{-2(16)[25](34)}{(12)(56)[56](12+43)}
\end{aligned}$$