

$$\begin{aligned}
& \frac{1[24](6)1+5[2](6)1+5[4]}{[34]^2(56)(1)2+3[4]s_{234}} + \\
& \frac{-6[13](24)(26)[35](2)1+4[2]s_{56}(s_{134}-s_{124})}{(2)1+4[3]^4\Delta_{14|23|56}} + \\
& \frac{9/2[13](24)(26)[35](3)1+4[2]s_{56}(3)1+4[3](s_{124}-s_{134})}{(2)1+4[3]^3\Delta_{14|23|56}^2} + \\
& \frac{[13](26)[35](-2(14)[14]-2(23)[23]-6(24)[24]-1(12)[12])}{[34](2)1+4[3]^3} + \\
& \frac{(26)[35](-6[13](34)-1[12](24))}{(2)1+4[3]^3} + \\
& \frac{(26)s_{56}[35](3[13](14)[14](34)) \dots \langle 6 \text{ terms} \rangle \dots -3/2[13](34)^2[34]}{(2)1+4[3]^3\Delta_{14|23|56}} + \\
& \frac{(26)[35](-3[12](14)[14](24)(34)[34]) \dots \langle 11 \text{ terms} \rangle \dots +3[12](13)^2[13]^2(24)}{(2)1+4[3]^3\Delta_{14|23|56}} + \\
& \frac{(26)s_{56}[35](s_{13}-s_{24})(3/2(24)^2[24]^2+3/2(13)^2[13]^2)}{(1)2+3[4](2)1+4[3]^3\Delta_{14|23|56}} + \\
& \frac{(26)[35](s_{13}-s_{24})(6(13)[13]+4(14)[14]+4(23)[23]+6(24)[24])}{(1)2+3[4](2)1+4[3]^3} + \\
& \frac{15/16(s_{124}+s_{134})(s_{124}-s_{134})(6)1+4[5](3)5+6[3][13](3)1+4[2](24)(s_{25}+s_{26}+s_{35}+s_{36})}{(2)1+4[3]^2\Delta_{14|23|56}^3} + \\
& \frac{[13](26)[45](13)^2(s_{13}-s_{24})(3/2[23](24)[24]+1/2(23)[23]^2+1/4(13)[13][23]+1/2[13](14)[24])}{(1)2+3[4]^2(2)1+4[3]^2\Delta_{23|14|56}} + \\
& \frac{24(26)[45](13)(s_{13}-s_{24})(1/2[13](14)[24]+1/4[23](24)[24]+1/2(23)[23]^2)}{(1)2+3[4]^2(2)1+4[3]^2\Delta_{23|14|56}} + \\
& \frac{13(s_{13}-s_{24})(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(33/4[13](14)(26)[45]) \dots \langle 4 \text{ terms} \rangle \dots -9/2(13)[13](26)[35]}{(1)2+3[4](2)1+4[3]^2\Delta_{23|14|56}^2} + \\
& \frac{(13)(s_{124}-s_{134})(-91/4(13)^3[13]^4[35](36)) \dots \langle 90 \text{ terms} \rangle \dots +37/4(12)[12]^2(23)[23](24)[24](26)[35]}{(1)2+3[4](2)1+4[3]^2\Delta_{23|14|56}^2} + \\
& \frac{-117/4(12)[13](24)[24]^2(34)[35](36)) \dots \langle 154 \text{ terms} \rangle \dots +3(23)[23]^2(24)^2[24](36)[45]}{(1)2+3[4](2)1+4[3]^2\Delta_{23|14|56}} + \\
& \frac{(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(9/2[13](23)(34)[34][35](46)) \dots \langle 8 \text{ terms} \rangle \dots +9/2(12)[13]^2(24)[25](36)}{(2)1+4[3]^2\Delta_{23|14|56}^2} + \\
& \frac{(s_{124}-s_{134})(1)(12)^2(12)^3(23)[35](46)) \dots \langle 35 \text{ terms} \rangle \dots -7/4[13](23)[23](24)[24](34)[35](36)}{(2)1+4[3]^2\Delta_{23|14|56}^2} + \\
& \frac{1[13][23](26)[45]}{[34]^2(2)1+4[3]^2} + \\
& \frac{1[13][35](36)}{[34](2)1+4[3]^2} + \\
& \frac{105/64[14](23)[56](s_{124}-s_{134})(6)1+4[5][23](4)2+3[1](3)1+4[2](14)(56)(s_{25}+s_{26}+s_{35}+s_{36})}{(2)1+4[3]\Delta_{14|23|56}^4} + \\
& \frac{(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(-105/16[12]^2(13)(23)(24)[34][35](46)) \dots \langle 108 \text{ terms} \rangle \dots -5/64(12)[13][14](24)(34)^2[35](46)}{(2)1+4[3]\Delta_{14|23|56}^3} + \\
& \frac{(s_{134}-s_{124})(s_{25}+s_{26}+s_{35}+s_{36})(5/16[13][23](34)^3[34](36)[45]) \dots \langle 13 \text{ terms} \rangle \dots -15/16[12][13](14)^2[14](34)(36)[45]}{(2)1+4[3]\Delta_{14|23|56}^3} + \\
& \frac{(s_{13}-s_{24})(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(5/16(14)^3[14]^3[45](46)) \dots \langle 23 \text{ terms} \rangle \dots -15/16[13](14)^2[14](24)[24](36)[45]}{(1)2+3[4](2)1+4[3]\Delta_{14|23|56}^3} + \\
& \frac{(13)(s_{13}-s_{24})(s_{134}-s_{124})(s_{25}+s_{26}+s_{35}+s_{36})(-15/16[12](14)^2[14]^2[15](16)-15/16[12](14)^2[14]^2[45](46)+5/16(13)^2[13]^2[14][25](46)+5/16(13)^2[13]^3[25](36))}{(1)2+3[4](2)1+4[3]\Delta_{14|23|56}^3} + \\
& \frac{(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(5/16(12)^2[13]^2[23][24](34)^2(36)[45]) \dots \langle 30 \text{ terms} \rangle \dots +5/16(13)^2[13]^2(23)[23](34)[34][45](46)}{(1)2+3[4](2)1+4[3]\Delta_{14|23|56}^3} + \\
& \frac{7/8(13)^2[23][24](26)[45](4)2+3[1]s_{56}(s_{13}-s_{24})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{1/16(13)[24](6)2+3[1](s_{123}-s_{234})[45](s_{13}-s_{24})(14)(s_{25}+s_{26}+s_{35}+s_{36})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{-3/16(13)(46)(4)2+3[4](s_{123}-s_{234})[45](s_{13}-s_{24})[24](s_{25}+s_{26}+s_{35}+s_{36})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{1/8(13)(23)[23](46)(s_{123}-s_{234})[45](s_{13}-s_{24})[24](s_{25}+s_{26}+s_{35}+s_{36})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{1/8(13)^2[23](6)2+3[1](s_{123}-s_{234})[45](s_{13}-s_{24})(s_{25}+s_{26}+s_{35}+s_{36})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{-1/16(13)[24](26)[45](1)3+4[2](4)2+3[1](s_{25}+s_{26}+s_{35}+s_{36})(s_{123}-s_{234})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{-3/16(13)[45](1)2+4[3](s_{123}-s_{234})(4)2+3[1](36)[24](s_{25}+s_{26}+s_{35}+s_{36})}{(1)2+3[4]^2(2)1+4[3]\Delta_{14|23|56}^2} + \\
& \frac{3/32[15](34)(46)(s_{12}-s_{34})(s_{123}-s_{234})[12](s_{25}+s_{26}+s_{35}+s_{36})}{(2)1+4[3](4)2+3[1]\Delta_{14|23|56}} + \\
& \frac{3/16[15](34)(46)(s_{12}-s_{34})s_{234}[12](s_{25}+s_{26}+s_{35}+s_{36})}{(2)1+4[3](4)2+3[1]\Delta_{14|23|56}^2} + \\
& \frac{1/2(13)^2[23][24](26)[45]s_{56}(s_{13}-s_{24})}{(1)2+3[4]^3(2)1+4[3]\Delta_{14|23|56}} + \\
& \frac{-1/8[12][15](34)(46)(s_{12}-s_{34})}{(2)1+4[3](4)2+3[1]\Delta_{14|23|56}} + \\
& \frac{[45](13)^2(1/2[12][23](24)(24)(26)) \dots \langle 12 \text{ terms} \rangle \dots +1/2[13](24)[24]^2(46)}{(1)2+3[4]^2(2)1+4[3]\Delta_{23|14|56}} + \\
& \frac{[24][45](13)(-1/4(24)^2[24]^2(46)) \dots \langle 7 \text{ terms} \rangle \dots -1/4[12](14)(24)[34](36)}{(1)2+3[4]^2(2)1+4[3]\Delta_{23|14|56}} + \\
& \frac{-37/4(14)^4[14]^4[25](36)) \dots \langle 411 \text{ terms} \rangle \dots -895/32(12)[12](23)^2[23](24)[24]^2[25](46)}{(1)2+3[4](2)1+4[3]\Delta_{23|14|56}^2} + \\
& \frac{235409/288(14)^2[14]^2[25](36)) \dots \langle 60 \text{ terms} \rangle \dots -555/8(13)[13](23)[23][25](36)}{(1)2+3[4](2)1+4[3]\Delta_{23|14|56}} + \\
& \frac{(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(105/32[12](23)[24](34)[35](46)) \dots \langle 39 \text{ terms} \rangle \dots -165/16[14](24)[24][25](34)(46)}{\Delta_{14|23|56}^3} + \\
& \frac{(34)(36)(s_{134}-s_{124})(s_{25}+s_{26}+s_{35}+s_{36})(-15/8[13][24][25](34)) \dots \langle 3 \text{ terms} \rangle \dots +15/8[12](24)[24][25]}{\Delta_{14|23|56}^3} + \\
& \frac{(3)1+4[2](s_{25}+s_{26}+s_{35}+s_{36})(5/8(14)^3[14]^3[25](36)) \dots \langle 89 \text{ terms} \rangle \dots +5/16(23)[24]^2(34)^2[34][35](46)}{(1)2+3[4]\Delta_{14|23|56}^3} + \\
& \frac{[12](13)^2(s_{134}-s_{124})(s_{25}+s_{26}+s_{35}+s_{36})(-15/8[12](13)[13][35](36)) \dots \langle 4 \text{ terms} \rangle \dots +15/16[12](14)[14][35](36)}{(1)2+3[4]\Delta_{14|23|56}^3} + \\
& \frac{-7/8(13)^2[23][24](36)[45](4)2+3[1]s_{56}}{(1)2+3[4]^2\Delta_{14|23|56}^2} + \\
& \frac{-1/2(13)^2[23][24](36)[45]s_{56}}{(1)2+3[4]^3\Delta_{14|23|56}}
\end{aligned}$$