$$\frac{7/16(s_{13}-s_{24})[24]\langle26\rangle\langle13\rangle\langle4|2+3|1]\langle3|1+4|2]\langle35]}{\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}^2}+$$

$$\frac{1/8\langle2|1+4|5](s_{23}-s_{56})\langle34\rangle\langle3|1+4|2][23]\langle46\rangle}{\langle14\rangle\Delta_{14|23|56}^2\langle2|1+4|3]}+$$

$$\frac{-3/8\langle2|3+4|1](s_{23}-s_{14})\langle36\rangle\langle3|1+4|2][23]\langle46\rangle}{\langle56]\Delta_{14|23|56}^2\langle2|1+4|3]}+$$

$$\frac{\langle4|2+3|1]\langle13\rangle\langle36\rangle\langle3|1+4|2](-7/16[35][24]-7/16[23][45])}{\langle1|2+3|4]\Delta_{14|23|56}^2}+$$

$$(123456\rightarrow\overline{432165})+$$

$$\frac{[24]\langle34\rangle(-1[13]\langle25\rangle\langle36\rangle-1\langle25][14]\langle46\rangle+1[35]\langle36\rangle[12]+1[45]\langle46\rangle[12])}{[34]\langle56\rangle[56]s_{234}\langle4|2+3|4]}+$$

$$\frac{3[13]\langle24\rangle\langle26\rangle\langle3|1+4|2][35](s_{124}-s_{134})}{\Delta_{14|23|56}\langle2|1+4|3]^3}+$$

$$\frac{5/2[13]\langle24\rangle\langle26\rangle\langle3|1+4|2]^2[35](s_{124}-s_{134})}{\Delta_{14|23|56}^2\langle2|1+4|3]^2}+$$

$$\frac{1[12]\langle24\rangle\langle26\rangle\langle3|1+4|2][35]}{\Delta_{14|23|56}\langle2|1+4|3]^2}+$$

$$\frac{-1(s_{13}-s_{24})[13]\langle26\rangle\langle13\rangle\langle3|1+4|2][35]}{\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]^2}+$$

$$\frac{-1[13]\langle34\rangle\langle36\rangle[35](s_{124}-s_{134})}{\Delta_{14|23|56}\langle2|1+4|3]^2}+$$

$$\frac{-1/2[13]\langle26\rangle\langle34\rangle[25](s_{124}-s_{134})}{\Delta_{14|23|56}\langle2|1+4|3]^2}+$$

$$\frac{[35](s_{124}-s_{134})(s_{13}-s_{24})(1/2\langle24\rangle\langle36\rangle[24]-1/2[24]\langle23\rangle\langle46\rangle-1/2\langle26\rangle\langle13\rangle[12])}{\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]^2}+$$

$$\frac{\langle26\rangle(s_{124}-s_{134})(1/2[13]\langle36\rangle\langle14\rangle[12]+1/2[13][24]\langle34\rangle\langle46\rangle-1/2[34]\langle34\rangle\langle46\rangle[12])}{\langle56\rangle\Delta_{14|23|56}\langle2|1+4|3]^2}+$$

$$\frac{[35](s_{124}-s_{134})(1[35]\langle34\rangle^2[14]-1/2[13]\langle25\rangle\langle23\rangle\langle34\rangle-1/2\langle12\rangle[15]\langle34\rangle[12]+1/2\langle24\rangle[15]\langle13\rangle[12])}{[56]\Delta_{14|23|56}\langle2|1+4|3]^2}+$$

$$\frac{-1[35]^2\langle24\rangle\langle3|1+4|2]}{[56]\langle1|2+4|3]\langle2|1+4|3]^2}+$$

$$\frac{-2[35]\langle23\rangle\langle34\rangle\langle26\rangle}{\langle1|2+4|3]\langle2|1+4|3]^2}+$$

$$\frac{-2[35]^2\langle34\rangle\langle2|3+4|2]}{[56]\langle1|2+4|3]\langle2|1+4|3]^2}+$$

$$\frac{-4[35]\langle34\rangle[15]}{[56]\langle2|1+4|3]^2}+$$

$$\frac{35/32\langle6|1+4|5](s_{15}+s_{16}+s_{45}+s_{46})\langle4|2+3|1]\langle3|1+4|2]s_{23}(s_{134}-s_{124})}{\Delta_{14|23|56}^3\langle2|1+4|3]}+$$

$$\frac{1/4[34]\langle4|2+3|1]\langle13\rangle(s_{123}-s_{234})\langle3|1+4|2]\langle6|1+4|5]}{\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}^2}+$$

$$\frac{\langle4|2+3|1](s_{123}-s_{234})\langle3|1+4|2](-1/8[35]\langle13\rangle\langle36\rangle[34]-1/8[35][24]\langle26\rangle\langle13\rangle-1/2\langle12\rangle[45]\langle36\rangle[23])}{\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}^2}+$$

$$\frac{-1/4\langle6|1+4|5](s_{13}-s_{24})\langle23\rangle(s_{123}-s_{234})\langle3|1+4|2][23]}{\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}^2}+$$

$$\frac{3/8(s_{13}-s_{24})[24]\langle23\rangle(s_{123}-s_{234})\langle3|1+4|2][35]\langle46\rangle}{\langle1|2+3|4]\langle2|1+4|3]\Delta_{14|23|56}^2}+$$

$$\frac{\langle4|2+3|1]\langle3|1+4|2](-35/4\langle12\rangle[15]\langle16\rangle[12]\ldots\langle13\,\text{terms}\rangle\ldots+73/8[25]\langle24\rangle\langle26\rangle[24])}{\Delta_{14|23|56}^2\langle2|1+4|3]}+$$

$$\frac{\langle3|1+4|2](-3/8[12]\langle24\rangle^2\langle26\rangle[24][25]\ldots\langle9\,\text{terms}\rangle\ldots-8[34][12]\langle23\rangle\langle34\rangle[35]\langle46\rangle)}{\Delta_{14|23|56}^2\langle2|1+4|3]}+$$

$$\frac{\langle4|2+3|1](s_{124}-s_{134})(1/2[45][23]\langle34\rangle\langle36\rangle\ldots\langle7\,\text{terms}\rangle\ldots+29/4[24]\langle34\rangle\langle45\rangle\langle46\rangle)}{\Delta_{14|23|56}^2\langle2|1+4|3]}+$$

$$\frac{(s_{124}-s_{134})(-65/8[12]\langle24\rangle\langle23\rangle\langle34\rangle[35]\langle46\rangle\ldots\langle12\,\text{terms}\rangle\ldots+1/2[14][24]\langle34\rangle^2[35]\langle46\rangle)}{\Delta_{14|23|56}^2\langle2|1+4|3]}+$$

$$\frac{\langle13\rangle[24]\langle6|1+4|5](s_{13}-s_{24})(-1/2[13]\langle13\rangle-1/2[23]\langle23\rangle)}{\Delta_{14|23|56}\langle1|2+3|4]^2\langle2|1+4|3]}+$$

$$\frac{-1/2\langle24\rangle[13]^2(s_{13}-s_{24})(s_{123}-s_{234})[35]\langle46\rangle}{\langle14\rangle\Delta_{14|23|56}\langle1|2+3|4]^2\langle2|1+4|3]}+$$

$$\frac{3/2(s_{13}-s_{24})[24]\langle13\rangle\langle34\rangle[35]\langle46\rangle}{\langle14\rangle\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{(s_{23}-s_{56})[46](-1/2[14]\langle24\rangle[24][35][25]\ldots\langle4\,\text{terms}\rangle\ldots+1/2\langle24\rangle\langle34\rangle[45][24]^2)}{\langle14\rangle[14]\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{-1/2[12]\langle24\rangle\langle23\rangle[45]\langle3|1+4|3]\langle46\rangle}{[14]\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{-1(s_{23}-s_{56})[12][24]\langle23\rangle[45]\langle46\rangle}{[14]\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{[24]\langle26\rangle(1/4[24]\langle23\rangle\langle34\rangle\langle23][46]\ldots\langle3\,\text{terms}\rangle\ldots-1/4[12]\langle24\rangle[24]\langle13\rangle\langle46\rangle)}{\langle56\rangle\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{\langle26\rangle(s_{14}-s_{23})(-3/4[24][23]\langle34\rangle\langle36\rangle-3/4[24]^2\langle34\rangle\langle46\rangle+1/4[23]\langle13\rangle\langle36\rangle[12]+1/2[24]\langle36\rangle\langle14\rangle[12])}{\langle56\rangle\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{\langle36\rangle[34]\langle46\rangle(s_{14}-s_{23})(-1/4[24]\langle34\rangle+1/4\langle13\rangle[12])}{\langle56\rangle\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{-1/2[34](s_{14}-s_{23})\langle34\rangle\langle36\rangle^2[23]}{\langle56\rangle\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{[25](-1/8[14][24][12]\langle34\rangle^2[35]+1/2[14][12]\langle12\rangle[34]\langle45]-3/8[14][34]\langle14\rangle\langle34\rangle^2[45]+1/8[25]\langle12\rangle^2\langle23\rangle[12]^2)}{[56]\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{[25](s_{14}-s_{23})(-11/8[45]\langle34\rangle^2[34]\ldots\langle4\,\text{terms}\rangle\ldots+1/8[25]\langle12\rangle\langle23\rangle[12])}{[56]\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{1/2(s_{14}-s_{23})[24]\langle34\rangle^2[35][45]}{[56]\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{5/4[25][14]^2\langle14\rangle^2\langle36\rangle\ldots\langle56\,\text{terms}\rangle\ldots-25/8[12]\langle24\rangle[24]\langle13\rangle\langle26\rangle[25]}{\Delta_{14|23|56}\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{1/2[12]\langle13\rangle\langle34\rangle[35]\langle46\rangle}{\langle14\rangle\Delta_{14|23|56}\langle2|1+4|3]}+$$

$$\frac{1/2\langle6|1+4|5]\langle23\rangle[12]^2}{[14]\Delta_{14|23|56}\langle2|1+4|3]}+$$

$$\frac{[12]\langle26\rangle(-1[23]\langle34\rangle\langle36\rangle-1/4\langle13\rangle\langle46\rangle[12])}{\langle56\rangle\Delta_{14|23|56}\langle2|1+4|3]}+$$

$$\frac{[25](-3[35]\langle34\rangle^2[14]\ldots\langle3\,\text{terms}\rangle\ldots-1/8\langle24\rangle[15]\langle13\rangle[12])}{[56]\Delta_{14|23|56}\langle2|1+4|3]}+$$

$$\frac{2\langle14\rangle\langle24\rangle\langle26\rangle[24]^2[25]\ldots\langle29\,\text{terms}\rangle\ldots+261/8[12]\langle34\rangle\langle36\rangle[23]^2[45]}{\langle14\rangle[34]\langle56\rangle[56]\langle1|2+3|4]\langle2|1+4|3]}+$$

$$\frac{1[35][45]\langle23\rangle\langle34\rangle}{[34][56]\langle1|2+4|3]\langle2|1+4|3]}+$$

$$\frac{-2[35]\langle34\rangle\langle16\rangle[12]}{\langle56\rangle[56]\langle1|2+4|3]\langle2|1+4|3]}+$$

$$\frac{3[35][25]\langle34\rangle}{[56]\langle1|2+4|3]\langle2|1+4|3]}+$$

$$\frac{1[13][24][12]\langle34\rangle\langle36\rangle[35]\ldots\langle6\,\text{terms}\rangle\ldots+1[13][24]\langle13\rangle\langle23\rangle[35]\langle46\rangle}{\langle14\rangle[34]\langle56\rangle[56]\langle2|1+4|3]\langle2|1+3|4]}+$$

$$\frac{2[35][34]\langle34\rangle\langle46\rangle\ldots\langle6\,\text{terms}\rangle\ldots-229/8[25][14]\langle46\rangle\langle14\rangle}{\langle14\rangle[34]\langle56\rangle[56]\langle2|1+4|3]}+$$

$$\frac{3/8[24]\langle23\rangle(s_{123}-s_{234})\langle3|1+4|2][25]\langle46\rangle}{\langle1|2+3|4]\Delta_{14|23|56}^2}+$$

$$\frac{\langle3|1+4|2](49/16[13][25]\langle34\rangle\langle36\rangle\ldots\langle3\,\text{terms}\rangle\ldots-31/8[25]\langle23\rangle\langle46\rangle[12])}{\Delta_{14|23|56}^2}+$$

$$\frac{57/8[12]\langle34\rangle\langle36\rangle[25](s_{124}-s_{134})}{\Delta_{14|23|56}^2}+$$

$$\frac{-1/2[24]\langle6|1+4|5]\langle13\rangle^2[12]}{\Delta_{14|23|56}\langle1|2+3|4]^2}+$$

$$\frac{-1/2[24]\langle13\rangle^2(s_{123}-s_{234})[25]\langle46\rangle}{\langle14\rangle\Delta_{14|23|56}\langle1|2+3|4]^2}+$$

$$\frac{3/2[24]\langle13\rangle\langle34\rangle[25]\langle46\rangle}{\langle14\rangle\Delta_{14|23|56}\langle1|2+3|4]}+$$

$$\frac{[25](1/8[25][24]\langle23\rangle\langle34\rangle-1/8[24]\langle34\rangle^2[45]-1/8[25]\langle13\rangle\langle23\rangle[12])}{[56]\Delta_{14|23|56}\langle1|2+3|4]}+$$

$$\frac{[24](1[34]\langle14\rangle[12]\langle34\rangle\langle36\rangle[45]\ldots\langle10\,\text{terms}\rangle\ldots-1[24]^2\langle23\rangle\langle34\rangle[35]\langle46\rangle)}{\langle14\rangle[14][34]\langle56\rangle[56]\langle1|2+3|4]\langle4|2+3|4]}+$$

$$\frac{-1\langle3|1+2|4]^2\langle24\rangle[46]^2}{\langle14\rangle[14]\langle56\rangle\langle1|2+3|4]\langle2|1+3|4]\langle4|5+6|4]}+$$

$$\frac{-1[24]^2\langle12\rangle\langle23\rangle[25]\langle46\rangle\ldots\langle20\,\text{terms}\rangle\ldots-1[14]\langle14\rangle[24]\langle12\rangle[36][25]}{\langle14\rangle[34]\langle56\rangle[56]\langle1|2+3|4]}+$$

$$\frac{-269/8[14]\langle14\rangle[24]\langle36\rangle[25]\ldots\langle11\,\text{terms}\rangle\ldots-1[12][24]\langle12\rangle[36][25]}{\langle14\rangle[14][34]\langle56\rangle[56]\langle1|2+3|4]}$$