$$\frac{-19/60\langle46\rangle\langle14\rangle[45]\langle23\rangle[12]^2\langle13\rangle}{\langle12\rangle\langle1|2+3|1]^2\langle4|5+6|4]^2}+$$

$$\frac{19/20[12]^2\langle46\rangle[15]\langle13\rangle}{[13]\langle1|2+3|1]^2\langle4|5+6|4]}+$$

$$\frac{-1/7[12]^2[14]\langle46\rangle^2\langle13\rangle}{[13]\langle56\rangle\langle1|2+3|1]^2\langle4|5+6|4]}+$$

$$\frac{-11/28[12][15]^2\langle13\rangle^2}{\langle12\rangle[14][56]\langle1|2+3|1]^2}+$$

$$\frac{19/30\langle46\rangle[45]\langle24\rangle[12]\langle13\rangle^2}{\langle12\rangle^2\langle1|2+3|1]\langle4|5+6|4]^2}+$$

$$\frac{-103/210\langle34\rangle\langle46\rangle[45][13]\langle13\rangle^2}{\langle12\rangle^2\langle1|2+3|1]\langle4|5+6|4]^2}+$$

$$\frac{-1/7\langle46\rangle^2[56][24][12]\langle13\rangle}{\langle12\rangle[23][1|2+3|1]\langle4|5+6|4]^2}+$$

$$\frac{\langle13\rangle(-123/70\langle34\rangle[15][13][12]\langle12\rangle^2\langle36\rangle\ldots\langle13\,\text{terms}\rangle\ldots+359/420\langle46\rangle\langle23\rangle^2[12]^2\langle12\rangle[35])}{\langle12\rangle^2[13]\langle23\rangle\langle56\rangle[56]\langle1|2+3|1]\langle4|5+6|4]}+$$

$$\frac{\langle13\rangle(2/21\langle46\rangle\langle34\rangle^2[45][13]^2\langle13\rangle\ldots\langle3\,\text{terms}\rangle\ldots+2/21\langle46\rangle\langle23\rangle\langle13\rangle\langle24\rangle[12]^2[35])}{\langle12\rangle[13]\langle14\rangle\langle23\rangle\langle56\rangle[56]\langle1|2+3|1]\langle4|5+6|4]}+$$

$$\frac{-41/35\langle46\rangle[45]\langle23\rangle[12]^2\langle13\rangle}{\langle12\rangle[14]\langle56\rangle[56]\langle1|2+3|1]\langle4|5+6|4]}+$$

$$\frac{\langle13\rangle^2[15](389/140\langle46\rangle[13]\langle23\rangle+439/210[12]\langle12\rangle[26]\langle24\rangle)}{\langle12\rangle^2[13]\langle23\rangle\langle56\rangle[56]\langle1|2+3|1]}+$$

$$\frac{[15][12]^2(11/42\langle26\rangle\langle13\rangle-19/84\langle36\rangle\langle12\rangle)}{\langle12\rangle[13][14]\langle56\rangle[56]\langle1|2+3|1]}+$$

$$\frac{[12]\langle13\rangle(2/21\langle25\rangle[26][12]+2/21\langle36\rangle[13][25]-88/105\langle46\rangle[45][12])}{\langle12\rangle[14]\langle23\rangle\langle56\rangle[56]\langle1|2+3|1]}+$$

$$\frac{[12]^3[45](-25/84\langle36\rangle\langle12\rangle+25/84\langle26\rangle\langle13\rangle)}{[13][14]\langle56\rangle[56]\langle1|2+3|1]\langle1|2+3|4]}+$$

$$\frac{-19/84\langle46\rangle[15]\langle13\rangle^2[12][14]}{[13]\langle23\rangle\langle56\rangle[56]\langle1|2+3|1]\langle1|2+3|4]}+$$

$$\frac{1277/420\langle34\rangle\langle46\rangle\langle14\rangle[15][12]^2}{[23][24]\langle56\rangle[56]\langle1|2+3|1]\langle4|2+3|1]}+$$

$$\frac{\langle46\rangle[12]^2(-671/210[25]\langle24\rangle-1277/420\langle14\rangle[15])}{[13][23]\langle24\rangle\langle56\rangle[56]\langle1|2+3|1]}+$$

$$\frac{19/60\langle46\rangle^2[56][24][12]^2\langle13\rangle}{[23]\langle2|1+3|2]^2\langle4|5+6|4]^2}+$$

$$\frac{\langle46\rangle[13][12](19/20\langle34\rangle[45]\langle23\rangle-19/60\langle24\rangle[56]\langle46\rangle)}{\langle12\rangle[23]\langle2|1+3|2]\langle4|5+6|4]}+$$

$$\frac{-1/7\langle46\rangle^2[24]\langle23\rangle[12]\langle13\rangle}{\langle12\rangle\langle56\rangle\langle2|1+3|2]\langle4|5+6|4]^2}+$$

$$\frac{-103/210\langle46\rangle[45]\langle34\rangle\langle13\rangle}{\langle12\rangle^2\langle4|5+6|4]^2}+$$

$$\frac{-19/30\langle46\rangle\langle14\rangle[45][12]\langle13\rangle}{\langle12\rangle^2[23]\langle4|5+6|4]^2}+$$

$$\frac{1/7\langle46\rangle\langle14\rangle[45][24]\langle23\rangle[12]}{\langle12\rangle[13]\langle1|2+3|4]\langle4|5+6|4]^2}+$$

$$\frac{41/35\langle46\rangle\langle34\rangle[45]\langle3|1+2|4]\langle13\rangle}{\langle12\rangle\langle23\rangle\langle1|2+3|4]\langle4|5+6|4]^2}+$$

$$\frac{1/7\langle46\rangle[45][12]\langle4|1+3|2]}{\langle12\rangle[13]\langle23\rangle\langle4|5+6|4]^2}+$$

$$\frac{-41/35\langle46\rangle[45]\langle34\rangle^2}{\langle12\rangle\langle24\rangle\langle4|5+6|4]^2}+$$

$$\frac{19/30[12]^2\langle46\rangle\langle26\rangle\langle13\rangle^2}{\langle12\rangle\langle56\rangle\langle2|1+3|2]^2\langle4|5+6|4]}+$$

$$\frac{163/210[12]^2\langle46\rangle^2[24]\langle13\rangle}{[23]\langle56\rangle\langle2|1+3|2]^2\langle4|5+6|4]}+$$

$$\frac{\langle46\rangle(-519/140\langle46\rangle[24]\langle23\rangle[12]\langle23\rangle[12]\ldots\langle5\,\text{terms}\rangle\ldots+19/20[13]\langle23\rangle[23]^2\langle13\rangle\langle36\rangle)}{\langle12\rangle^2[13]\langle23\rangle\langle56\rangle\langle2|1+3|2]\langle4|5+6|4]}+$$

$$\frac{-19/15\langle46\rangle[12]^2\langle13\rangle^2\langle26\rangle[34]}{\langle12\rangle[23]\langle56\rangle[2|1+3|2][2|1+3|4]\langle4|5+6|4]}+$$

$$\frac{-16/21[24][13]^2[45]\langle24\rangle^3\langle13\rangle^3\langle26\rangle\ldots\langle27\,\text{terms}\rangle\ldots+3/7\langle34\rangle\langle23\rangle^3\langle24\rangle\langle12\rangle[23]^2[35]\langle36\rangle[34]}{\langle12\rangle^2[13]\langle14\rangle\langle23\rangle\langle24\rangle[34]\langle56\rangle[56]\langle2|1+3|4]\langle4|5+6|4]}+$$

$$\frac{10/7\langle24\rangle^2[12]^2[35][13]^2\langle26\rangle[34]^2\ldots\langle210\,\text{terms}\rangle\ldots+2/21\langle34\rangle\langle14\rangle[24]\langle24\rangle^2[35]\langle36\rangle[14][34]^2}{\langle12\rangle^2[13][23]\langle24\rangle[34]\langle56\rangle[56]\langle2|1+3|4]\langle4|5+6|4]}+$$

$$\frac{-3/7\langle34\rangle^2\langle46\rangle[24]\langle24\rangle[12]^2[35][14]\ldots\langle25\,\text{terms}\rangle\ldots-3/7[25]\langle23\rangle^2\langle24\rangle^2[13]\langle26\rangle}{\langle12\rangle^2[13]\langle14\rangle\langle23\rangle\langle24\rangle[34]\langle56\rangle[56]\langle4|5+6|4]}+$$

$$\frac{-41/35\langle46\rangle[45][13]^2[24]^2\langle24\rangle^2\langle13\rangle\ldots\langle7\,\text{terms}\rangle\ldots+3/5[24][13]\langle23\rangle\langle24\rangle[12]\langle12\rangle[23][35]\langle36\rangle}{\langle12\rangle^2[13][14][23]\langle24\rangle[34]\langle56\rangle[56]\langle4|5+6|4]}+$$

$$\frac{-529/210[45]\langle24\rangle^3[12]\langle13\rangle[36][34]\ldots\langle14\,\text{terms}\rangle\ldots+6/35\langle34\rangle[15][13][12]\langle12\rangle^3\langle36\rangle}{\langle12\rangle^2[13]\langle23\rangle\langle24\rangle[34]\langle56\rangle[56]\langle4|5+6|4]}+$$

$$\frac{3/28\langle14\rangle\langle24\rangle[12]^2[35][13]\langle26\rangle[34]\ldots\langle117\,\text{terms}\rangle\ldots-3/7\langle23\rangle\langle24\rangle[12]\langle12\rangle[23]^2[35]\langle36\rangle}{\langle12\rangle^2[13][23]\langle24\rangle[34]\langle56\rangle[56]\langle4|5+6|4]}+$$

$$\frac{-1/3\langle34\rangle\langle3|1+2|4]\langle46\rangle^2}{\langle12\rangle\langle23\rangle\langle56\rangle[4|1+2|3]\langle4|5+6|4]}+$$

$$\frac{\langle34\rangle^2(3/5\langle46\rangle[12][45][12]-3/5\langle36\rangle[13]\langle13\rangle[35])}{\langle12\rangle\langle14\rangle[14]\langle24\rangle\langle56\rangle[56]\langle4|5+6|4]}+$$

$$\frac{3/5\langle34\rangle[24]^2[12][12][35]\langle36\rangle\ldots\langle10\,\text{terms}\rangle\ldots+1/3\langle34\rangle\langle46\rangle[24]^3\langle23\rangle[35]}{\langle14\rangle[14][34]\langle56\rangle[56]\langle1|2+3|4]\langle4|5+6|4]}+$$

$$\frac{\langle13\rangle(3/7\langle14\rangle[25][13]\langle13\rangle[14]\langle36\rangle\ldots\langle12\,\text{terms}\rangle\ldots+11/21\langle34\rangle\langle46\rangle[45][13]\langle24\rangle[13])}{\langle14\rangle\langle23\rangle[34]\langle56\rangle[56]\langle1|2+3|4]\langle4|5+6|4]}+$$

$$\frac{-1/3[25]\langle6|1+3|2]\langle23\rangle^2}{\langle12\rangle\langle2|1+3|2]^2\langle2|1+3|4]}+$$

$$\frac{-1/3[25]\langle45\rangle\langle23\rangle\langle24\rangle[12]\langle13\rangle}{\langle12\rangle[56]\langle2|1+3|2]\langle2|1+3|4]}+$$

$$\frac{-2/21\langle46\rangle\langle23\rangle[12]\langle13\rangle\langle26\rangle[34]}{\langle12\rangle^2[13]\langle56\rangle\langle2|1+3|2]\langle2|1+3|4]}+$$

$$\frac{\langle26\rangle[12](-2/3[13]\langle26\rangle\langle13\rangle^2-5/21\langle13\rangle\langle26\rangle[23]\langle23\rangle+1/3\langle36\rangle\langle12\rangle\langle23\rangle[23])}{\langle12\rangle^2[13]\langle56\rangle\langle2|1+3|2]\langle2|1+3|4]}+$$

$$\frac{\langle46\rangle(10/21\langle23\rangle\langle24\rangle\langle23\rangle^2\langle36\rangle[34]-2/21\langle46\rangle\langle23\rangle^2[23]^2[34]-5/21[12]^2[13]\langle16\rangle\langle12\rangle^2+2/21\langle14\rangle[12]^2\langle12\rangle\langle26\rangle[34])}{\langle12\rangle^2[13]\langle23\rangle\langle56\rangle\langle2|1+3|2]\langle2|1+4|3]}+$$

$$\frac{-1/3\langle14\rangle s_{123}[12]^2[14]\langle26\rangle^2}{\langle12\rangle[13]\langle23\rangle\langle56\rangle[2|3+4|1]\langle1|2+3|2]\langle2|1+3|4]}+$$

$$\frac{[12]^2\langle26\rangle^2\langle14\rangle\langle34|(1/3[13]\langle13\rangle+1/3\langle23\rangle[23])}{\langle12\rangle[13]\langle23\rangle\langle56\rangle\langle2|1+3|2][2|1+4|3]\langle2|1+3|4]}+$$

$$\frac{\langle36\rangle(-1/3\langle23\rangle\langle24\rangle[23]^2\langle36\rangle[34]\ldots\langle5\,\text{terms}\rangle\ldots+1/3[12]^2[13]\langle16\rangle\langle12\rangle^2)}{\langle12\rangle[23]\langle56\rangle\langle2|1+3|2][2|1+4|3]\langle2|1+3|4]}+$$

$$\frac{[45](1/21\langle34\rangle[25][13]\langle23\rangle[23]-2/21[25][13]\langle24\rangle[12]\langle13\rangle+2/21[12]^2\langle13\rangle\langle24\rangle[35])}{\langle12\rangle[13][56]\langle2|1+3|2][2|1+3|4]}+$$

$$\frac{\langle36\rangle(1/3\langle36\rangle\langle12\rangle[12]-1/3\langle36\rangle\langle24\rangle\langle24\rangle-1/7[12]\langle26\rangle\langle13\rangle)}{\langle12\rangle[56]\langle2|1+3|2]\langle2|1+3|4]}+$$

$$\frac{10/21\langle36\rangle\langle23\rangle[46]}{\langle12\rangle[56]\langle2|1+3|2]\langle2|1+4|3]}+$$

$$\frac{3/7[25]^2 s_{123}\langle23\rangle[12]}{[23][56]\langle2|1+3|2][2|5+6|2]\langle2|1+3|4]}+$$

$$\frac{1/3[13]s_{123}[12]^2\langle13\rangle\langle26\rangle^2}{[23]\langle56\rangle[2|3+4|1][2|1+3|2][2|1+4|3][2|1+3|4]}+$$

$$\frac{[12]^2\langle12\rangle\langle46\rangle(-1/3[13]\langle16\rangle[14]+1/3[12]\langle26\rangle[34])}{[13]\langle56\rangle\langle2|1+3|2][2|1+4|3][2|1+3|4]}+$$

$$\frac{[45][12][24](-1/3\langle34\rangle[45][23]-1/3[12][25]\langle12\rangle+1/3[25][13]\langle13\rangle)}{\langle12\rangle[56]\langle2|1+3|2][2|1+4|3]\langle2|1+3|4]}+$$

$$\frac{1/3[15]^2 s_{123}\langle23\rangle[24][12]^2\langle1|3+4|2]}{[13][23][56][2|3+4|1][2|1+3|2]([3|2+5+6|1]3]-[2|4+5+6|1|2])}+$$

$$\frac{2/21[24]^2\langle24\rangle^4[35]\langle36\rangle[34]\ldots\langle22\,\text{terms}\rangle\ldots+2/21\langle46\rangle[13]\langle23\rangle^3[23]^2\langle12\rangle[35]}{\langle12\rangle^2[13]\langle23\rangle\langle24\rangle\langle56\rangle[56]\langle2|1+4|3]\langle2|1+3|4]}+$$

$$\frac{4/21\langle14\rangle^2[13]\langle24\rangle[35][14]\langle36\rangle\ldots\langle32\,\text{terms}\rangle\ldots-2/21\langle24\rangle^2[12][35][23]\langle13\rangle\langle26\rangle}{\langle12\rangle^2[13][23]\langle24\rangle\langle56\rangle[56]\langle2|1+4|3]}+$$

$$\frac{-29/15\langle34\rangle[25][13]\langle24\rangle[12]^2\langle36\rangle\ldots\langle14\,\text{terms}\rangle\ldots+3/7\langle34\rangle\langle46\rangle\langle23\rangle\langle24\rangle[13][35][34]}{\langle12\rangle^2[13]\langle14\rangle\langle23\rangle\langle24\rangle[34]\langle56\rangle[56]}+$$

$$\frac{2/21\langle14\rangle[45][13][12]^2\langle12\rangle\langle26\rangle\ldots\langle13\,\text{terms}\rangle\ldots-1/3\langle34\rangle[24][13]^2[12]\langle12\rangle[35]\langle36\rangle}{\langle12\rangle^2[13][14][23][24]\langle34\rangle\langle56\rangle[56]}+$$

$$\frac{\langle13\rangle(3/28\langle46\rangle[14][12][15]\ldots\langle4\,\text{terms}\rangle\ldots-3/7[12]\langle26\rangle\langle12\rangle[15])}{\langle12\rangle^2[13]\langle23\rangle[34]\langle56\rangle[56]}+$$

$$\frac{159/70\langle34\rangle\langle14\rangle[13][35][36][34]\ldots\langle57\,\text{terms}\rangle\ldots-9/35\langle46\rangle[45]\langle24\rangle[12][23][12]}{\langle12\rangle^2[13][23]\langle24\rangle[34]\langle56\rangle[56]}+$$

$$\frac{3/5[13]\langle24\rangle[13]^2[35]\langle36\rangle\ldots\langle4\,\text{terms}\rangle\ldots-3/5\langle34\rangle[12][12]^2[35]\langle36\rangle}{\langle24\rangle^2[14][14]\langle24\rangle[34]\langle56\rangle[56]}+$$

$$\frac{-25/84\langle14\rangle[13]^2[12][35][14]\langle26\rangle\ldots\langle20\,\text{terms}\rangle\ldots-25/84[24]\langle24\rangle[12][35][13]^2\langle26\rangle}{\langle12\rangle[13][14]\langle56\rangle[56]\langle1|2+3|4][2|1+3|4]}+$$

$$\frac{[13]\langle26\rangle s_{123}(-2/3\langle46\rangle[12]^2[14]\ldots\langle3\,\text{terms}\rangle\ldots-1/3\langle46\rangle[24]\langle23\rangle\langle24\rangle[34])}{\langle12\rangle[23]\langle24\rangle[34]\langle56\rangle[56][2|3+4|1][2|1+4|3][2|1+3|4]}+$$

$$\frac{1/3[36][25][14]^2[14]^2\ldots\langle16\,\text{terms}\rangle\ldots-13/84[24][46][25]\langle26\rangle[12]\langle13\rangle\langle26\rangle}{\langle12\rangle[14][23][24]\langle56\rangle[56]\langle1|2+3|4]}+$$

$$\frac{[24]\langle13\rangle(3/14\langle46\rangle[45][14]+11/84[12][45]\langle26\rangle-1/42\langle36\rangle[13][45]+1/7[25][26][14])}{\langle12\rangle[14][34]\langle56\rangle[56]\langle1|2+3|4]}+$$

$$\frac{\langle26\rangle[13]s_{123}(1/3[12]\langle26\rangle\langle14\rangle+1/3\langle24\rangle\langle24\rangle\langle46\rangle-2/3\langle46\rangle[12]\langle12\rangle)}{\langle12\rangle[23]\langle24\rangle[34]\langle56\rangle[56]\langle2|3+4|1][1|2+4|3]}+$$

$$\frac{[12]\langle46\rangle[14][15](-16/21\langle24\rangle\langle13\rangle+3/7\langle34\rangle\langle12\rangle)}{\langle12\rangle[13]\langle23\rangle[34]\langle56\rangle[56]\langle4|2+3|1]}+$$

$$\frac{-16/21\langle34\rangle\langle46\rangle\langle14\rangle[15][24][13]}{[14][23]\langle24\rangle[34]\langle56\rangle[56]\langle4|2+3|1]}+$$

$$\frac{1/3[24]^2[45]\langle34\rangle\langle46\rangle}{\langle14\rangle[14][34]\langle1|2+3|4]\langle4|2+3|4]}+$$

$$\frac{-1/3[24]^2\langle34\rangle[15]\langle46\rangle}{[14][23]\langle24\rangle\langle1|2+3|4]\langle4|2+3|4]}+$$

$$\frac{55/84[24][13][25]\langle23\rangle\langle24\rangle\langle36\rangle\ldots\langle19\,\text{terms}\rangle\ldots+25/28[24]\langle23\rangle\langle24\rangle[12][35]\langle36\rangle}{[13]\langle23\rangle\langle24\rangle[34]\langle56\rangle[56]\langle1|2+3|4]}+$$

$$\frac{1/3\langle34\rangle^2[13]\langle3|1+2|4]\langle46\rangle^2}{\langle23\rangle\langle24\rangle\langle56\rangle[4|1+2|3]([2|3+5+6|4]2]-[3|1|5+6|4|3])}$$