$$\frac{1\langle 36\rangle\langle 46\rangle\langle 34\rangle[34]}{\langle 24\rangle\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-1\,6/6|1+3|5\rangle\langle 34\rangle^2\langle 12\rangle[24|13]}{\langle 24\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 34\rangle(s_{13-s_{24}})(6|1+3|5\rangle(-2/3|1+4|3\rangle\langle 14\rangle-1/4\langle 34\rangle[34|)}{\langle 24\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-1/4\langle 15\rangle\langle 34\rangle\langle 12\rangle[24|(s_{13-s_{56}})\langle 46\rangle}{\langle 24\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 46\rangle(s_{13-s_{24}})\langle 36\rangle(-1/2|23]\langle 24|\ldots\langle 3\,\text{terms}\rangle\ldots-5/6\langle 14|24|\langle 14\rangle)}{\langle 56\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-1/2|45]\langle s_{13-s_{24}}\rangle\langle 4|1+3|2]\langle 15]\langle 13\rangle}{[56]\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{15|s_{13-s_{24}}\rangle(-1/3|25]\langle 24|\langle 34\rangle(1+1/4|25]\langle 12|\langle 13\rangle\langle 12\rangle-7/12|45]\langle 24|\langle 34\rangle+7/12|12|\langle 13\rangle^2[35|)}{[56]\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-43/24|25]\langle 14|^2\langle 36\rangle|^2\ldots\langle 54\,\text{terms}\rangle\ldots-1/6\langle 23\rangle\langle 26\rangle[23|25]\langle 12|13\rangle}{\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-9/2\langle 16\rangle\langle 23|^2[24|\langle 26\rangle}{[34|56\rangle\langle 1|2+4|3\rangle\langle 1|2+3|4]} + \frac{\langle 16\rangle(13|\langle 47/4\langle 16\rangle|12]\langle 13|\langle 12\rangle\langle 46\rangle-11\langle 46\rangle|12\rangle[34|-11|23][24|\langle 24\rangle\langle 26\rangle)}{\langle 24\rangle[34|^2\langle 56\rangle\langle 1|2+4|3\rangle\langle 1|2+4|3\rangle} + \frac{\langle 26\rangle|23\rangle(1|24|\langle 26\rangle|13\rangle|14\rangle-10\langle 36\rangle|23\rangle[24\rangle|34\rangle-10|23][24|\langle 24\rangle\langle 26\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{[35|\langle 14\rangle|15\rangle\langle 3/4|34|\langle 14\rangle+139/12|24][13\rangle|12\rangle)}{\langle 24\rangle|34]\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{[35|(12\rangle|25\rangle[-47/4|12][34|+289/12|24|13\rangle)}{[34]^2\langle 56|\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{10[45|1|23\rangle^2[35\rangle|23\rangle}{[34\rangle|56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{-5/3\langle 14|\langle 26\rangle\langle 4|1+2|4\rangle\langle 36\rangle|13\rangle}{[34]\langle 56\rangle\langle 2|3+4|1\rangle\langle 2|1+3|4\rangle} + \frac{14|\langle 36\rangle(26\rangle(-10/3\langle 34\rangle|13\rangle-5\langle 12|\langle 24\rangle)}{\langle 56\rangle\langle 2|3+4|1\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 23\rangle|15\langle 5\langle 45\rangle|14|+5/3\langle 25]\langle 24\rangle+10/3\langle 45]\langle 12|\langle 24\rangle)}{56]\langle 2|3+4|1\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 26\rangle\langle 27/4\langle 36\rangle|12\rangle\langle 24\rangle|34]^2\ldots\langle 3\,\text{terms}\rangle\ldots-10/3\langle 14\rangle|14]\langle 34|\langle 36\rangle|13])}{\langle 24\rangle|34]\langle 56\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-7/4|25]\langle 14|^2[35\rangle|12\rangle)}{[34]^2\langle 56|\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{13|\langle 16\rangle\langle 27/4|14|\langle 46\rangle|23\rangle-1|12\langle 23\rangle|26\rangle-41\,2/14|24\rangle\langle 36\rangle)}{\langle 24\rangle|34\rangle\langle 56\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{15|(-121\,12/45]|14\rangle-45\langle 45]|24\rangle(24\rangle-25/3\langle 45]\langle 13\rangle|13\rangle-41\,2/14|13\rangle[35|)}{34]56]\langle 2|1+4|3\rangle\langle 2|1+3|4]} + \frac{10\langle 3|1+2|4]|15]^2\langle 24\rangle|13\rangle}{[34|56\rangle\langle 2|3+4|1]^2\langle 2|1+4|3\rangle} + \frac{[13|26\rangle(-1\rangle3|12]\langle 13\rangle|13|26\rangle\ldots\langle 3\,\text{terms}\rangle\ldots-1[23\rangle(23\rangle|13\rangle(36\rangle)}{\langle 24\rangle|34]\langle 56|\langle 2|3+4|1\rangle^2\langle 2|1+4|3\rangle} + \frac{[15|(-10\langle 3|45]\langle 34|\rangle|13\rangle^2\langle 12\rangle\ldots\langle 3\,\text{terms}\rangle\ldots+7/3\langle 23\rangle|45]23\rangle|24\rangle|13]\rangle}{\langle 24\rangle|34]^2\langle 56|\langle 2|3+4|1\rangle\langle 2|1+4|3\rangle} + \frac{[13\rangle(16\rangle-121/12|12]\langle 26\rangle-27\,2/4|14\rangle|46\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 2|1+4|3\rangle} + \frac{\langle 26\rangle\langle 229/12|24|13]\langle 46\rangle+68/3|23]|13\rangle\langle 36\rangle-127/4\langle 46|12]|34\rangle+71/3|23|12]|26\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 2|1+4|3\rangle} + \frac{15|181/12|24]\langle 24\rangle|35\rangle\ldots\langle 4\,\text{terms}\rangle\ldots+49/12\,14|\langle 35|14\rangle)}{\langle 24\rangle|34\rangle^2[56|\langle 2|1+4|3\rangle} + \frac{-61\,6/25]|45]|13\rangle}{[34]^2[56|\langle 2|1+4|3\rangle} + \frac{-55/4\langle 25]|45]\langle 23\rangle|13\rangle}{\langle 24\rangle|34\rangle^2[56|\langle 2|1+3|4\rangle} + \frac{2\langle 3|1+2|4]|14]\langle 34\rangle\langle 26\rangle\langle 46\rangle}{\langle 23\rangle\langle 24\rangle|34]\langle 56\rangle\langle 2|1+3|4]\langle 4|5+6|4]} + \frac{-10/3|14]\langle 46\rangle\langle 36\rangle}{\langle 24\rangle|34]\langle 56\rangle\langle 2|1+3|4]} + \frac{1/4|14][24|\langle 34\rangle^2\langle 46\rangle^2}{\langle 24\rangle\langle 56\rangle\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{5/4\langle 46\rangle^3\langle 24\rangle^3}{\langle 34]^2\langle 56\rangle\langle 1|2+3|4]\langle 4|2+3|4]} + \frac{-3/2\langle 3|1+2|4][24|^2\langle 46\rangle^2}{[34]\langle 56\rangle\langle 1|2+3|4]\langle 4|2+3|4]\langle 4|5+6|4]} + \frac{-1/4\langle 46\rangle|24\rangle^2\langle 36\rangle}{[34]\langle 56\rangle\langle 1|2+3|4]\langle 4|2+3|4]} + \frac{15|^2\langle -1/3|14]\langle 46\rangle-10/3|12]\langle 23\rangle)}{[34|56]\langle 2|3+4|1]^2} + \frac{\langle 12\rangle(26\rangle(5/3|12]\langle 26\rangle+4/3|13]\langle 36\rangle+5/3|14]\langle 46\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 2|3+4|1]} + \frac{[15|\langle 5/3|45]|13]\ldots+3|25][36\rangle+5/3|14]\langle 46\rangle|}{\langle 24\rangle|34\rangle[56]\langle 2|1+4|3\rangle} + \frac{3\langle 34\rangle|24|\langle 46\rangle|2|1+3|4]\langle 36\rangle}{\langle 23\rangle\langle 24\rangle|34]\langle 56\rangle\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{-7/2|45]|24|\langle 34\rangle\langle 46\rangle}{\langle 24\rangle|34]\langle 56\rangle\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{1|14]\langle 46\rangle\langle 34\rangle\langle 36\rangle}{\langle 23\rangle\langle 24\rangle|34]\langle 56\rangle\langle 4|5+6|4]} + \frac{3|45]^2\langle 34\rangle^3}{\langle 23\rangle\langle 24\rangle|56]\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{-3\langle 34\rangle\langle 36\rangle^2}{\langle 23\rangle\langle 24\rangle\langle 56\rangle\langle 1|2+3|4]}$$

$$\frac{1\langle 36\rangle\langle 46\rangle\langle 34\rangle[34]}{\langle 24\rangle\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-1\,6/6|1+3|5\rangle\langle 34\rangle^2\langle 12\rangle[24|13]}{\langle 24\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 34\rangle(s_{13-s_{56}})\langle 6|1+3|5\rangle\langle -2/3|14]\langle 14\rangle-1/4\langle 34\rangle[34|)}{\langle 24\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-1/4\langle 15\rangle\langle 34\rangle\langle 12\rangle[24|(s_{13-s_{56}})\langle 46\rangle}{\langle 24\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 46\rangle(s_{13-s_{24}})\langle 36\rangle(-1/2|23]\langle 24|\ldots\langle 3\,\text{terms}\rangle\ldots-5/6\langle 14|24|\langle 14\rangle)}{\langle 56\rangle\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-1/2|45]\langle s_{13-s_{24}}\rangle\langle 4|1+3|2]\langle 15]\langle 13\rangle}{[56]\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{15|s_{13-s_{24}}\rangle(-1/3|25]\langle 24|\langle 34\rangle(1+1/4|25]\langle 12|\langle 13\rangle\langle 12\rangle-7/12|45]\langle 24|\langle 34\rangle+7/12|12|\langle 13\rangle^2[35|)}{[56]\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-43/24|25]\langle 14|^2\langle 36\rangle|^2\ldots\langle 54\,\text{terms}\rangle\ldots-1/6\langle 23\rangle\langle 26\rangle[23|25]\langle 12|13\rangle}{\Delta_{14|23|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-9/2\langle 16\rangle\langle 23|^2[24|\langle 26\rangle}{[34|56\rangle\langle 1|2+4|3\rangle\langle 1|2+3|4\rangle} + \frac{\langle 16\rangle(13|\langle 47/4\langle 16\rangle|12]\langle 13|\langle 12\rangle\langle 46\rangle-11\langle 46\rangle|12\rangle[34|-11|23][24|\langle 24\rangle\langle 26\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 1|2+4|3\rangle\langle 1|2+4|3\rangle} + \frac{\langle 26\rangle|23\rangle(1|24|\langle 26\rangle|13\rangle|14\rangle-10\langle 36\rangle|23\rangle[24\rangle|34\rangle-10|23][24|\langle 24\rangle\langle 26\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{[35|\langle 14\rangle|15\rangle\langle 3/4|34|\langle 14\rangle+139/12|24][13\rangle|12\rangle)}{\langle 24\rangle|34]\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{[35|(12\rangle|25\rangle[-47/4|12][34|+289/12|24|13\rangle)}{[34]^2\langle 56|\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{10[45|1|23\rangle^2[35\rangle|23\rangle}{[34\rangle|56\rangle\langle 1|2+4|3\rangle\langle 2|1+4|3\rangle} + \frac{-5/3\langle 14|\langle 26\rangle\langle 4|1+2|4\rangle\langle 36\rangle|13\rangle}{[34]\langle 56\rangle\langle 2|3+4|1\rangle\langle 2|1+3|4\rangle} + \frac{14|\langle 36\rangle(26\rangle(-10/3\langle 34\rangle|13\rangle-5\langle 12|\langle 24\rangle)}{\langle 56\rangle\langle 2|3+4|1\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 23\rangle|15\langle 5\langle 45\rangle|14|+5/3\langle 25]\langle 24\rangle+10/3\langle 45]\langle 12|\langle 24\rangle)}{56]\langle 2|3+4|1\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 26\rangle\langle 27/4\langle 36\rangle|12\rangle\langle 24\rangle|34]^2\ldots\langle 3\,\text{terms}\rangle\ldots-10/3\langle 14\rangle|14]\langle 34|\langle 36\rangle|13])}{\langle 24\rangle|34]\langle 56\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{-7/4|25]\langle 14|^2[35\rangle|12\rangle)}{[34]^2\langle 56|\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{13|\langle 16\rangle\langle 27/4|14|\langle 46\rangle|23\rangle-1|12\langle 23\rangle|26\rangle-41\,2/14|24\rangle\langle 36\rangle)}{\langle 24\rangle|34\rangle\langle 56\rangle\langle 2|1+4|3\rangle\langle 2|1+3|4\rangle} + \frac{15|(-121\,12/45]|14\rangle-45\langle 45]|24\rangle(24\rangle-25/3\langle 45]\langle 13\rangle|13\rangle-41\,2/14|13\rangle[35|)}{34]56]\langle 2|1+4|3\rangle\langle 2|1+3|4]} + \frac{10\langle 3|1+2|4]|15]^2\langle 24\rangle|13\rangle}{[34|56\rangle\langle 2|3+4|1]^2\langle 2|1+4|3\rangle} + \frac{[13|26\rangle(-1\rangle3|12]\langle 13\rangle|13|26\rangle\ldots\langle 3\,\text{terms}\rangle\ldots-1[23\rangle(23\rangle|13\rangle(36\rangle)}{\langle 24\rangle|34]\langle 56|\langle 2|3+4|1\rangle^2\langle 2|1+4|3\rangle} + \frac{[15|\langle 3/4|24]^2\langle 24\rangle|35\rangle(12\rangle+2|34]\langle 45]^2\langle 34\rangle|14]|45]\langle 14\rangle^2)}{\langle 24\rangle|34]^2[56|\langle 1|2+4|3\rangle\langle 2|1+3|4]} + \frac{\langle 16\rangle\langle 5/2\langle 36\rangle|12]\langle 24\rangle|34]^2\ldots\langle 6\,\text{terms}\rangle\ldots+1|14]\langle 46\rangle\langle 34\rangle|34]^2)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{\langle 26\rangle\langle -17\rangle\langle 46\rangle|24]\langle 34\rangle\langle 34]^2\ldots\langle 4\,\text{terms}\rangle\ldots-17/6\langle 24]^2|13\rangle\langle 12\rangle\langle 46\rangle)}{\langle 24\rangle|34]\langle 56\rangle\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle} + \frac{1/3\langle 6|1+3|5]|14]\langle s_{14-s_{23}}\rangle\langle 13\rangle(s_{123-s_{134}})}{\Delta_{13|24|56}\langle 1|2+4|3\rangle\langle 2|1+3|4\rangle^2} + \frac{[23|\langle 16\rangle(-17/6|23]\langle 36\rangle+1/3|24]\langle 46\rangle)}{[34]\langle 56\rangle\langle 1|2+4|3\rangle^2} + \frac{-7/2\langle 16\rangle\langle 23|^2[24|\langle 26\rangle}{[34]^2\langle 56\rangle\langle 1|2+4|3\rangle^2} + \frac{1/12\langle 6|1+3|5]\langle s_{14-s_{23}}\rangle[23|\langle s_{124-s_{234}}\rangle\langle 13\rangle}{\Delta_{13|24|56}\langle 1|2+4|3\rangle^2\langle 2|1+3|4]} + \frac{-10/3|14]\langle 46\rangle^2}{\langle 24\rangle[34\langle 56\rangle\langle 2|1+4|3\rangle} + \frac{-25/3\langle 46]|13\rangle\langle 36\rangle}{\langle 24\rangle[34\langle 56\rangle\langle 2|1+4|3\rangle} + \frac{-3/4|25]\langle 45]|24|\langle 24\rangle}{[34]56]\langle 1|2+3|4]\langle 2|1+4|3\rangle} + \frac{-61\,6/25]|45]|13\rangle}{[34]^2[56|\langle 2|1+4|3\rangle} + \frac{-55/4\langle 25]|45]\langle 23\rangle|13\rangle}{\langle 24\rangle|34\rangle^2[56|\langle 2|1+3|4\rangle} + \frac{2\langle 3|1+2|4]|14]\langle 34\rangle\langle 26\rangle\langle 46\rangle}{\langle 23\rangle\langle 24\rangle|34]\langle 56\rangle\langle 2|1+3|4]\langle 4|5+6|4]} + \frac{-10/3|14]\langle 46\rangle\langle 36\rangle}{\langle 24\rangle|34]\langle 56\rangle\langle 2|1+3|4]} + \frac{1/4|14][24|\langle 34\rangle^2\langle 46\rangle^2}{\langle 24\rangle\langle 56\rangle\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{5/4\langle 46\rangle^3\langle 24\rangle^3}{\langle 34]^2\langle 56\rangle\langle 1|2+3|4]\langle 4|2+3|4]} + \frac{-3/2\langle 3|1+2|4][24|^2\langle 46\rangle^2}{[34]\langle 56\rangle\langle 1|2+3|4]\langle 4|2+3|4]\langle 4|5+6|4]} + \frac{-1/4\langle 46\rangle|24\rangle^2\langle 36\rangle}{[34]\langle 56\rangle\langle 1|2+3|4]\langle 4|2+3|4]} + \frac{15|^2\langle -1/3|14]\langle 46\rangle-10/3|12]\langle 23\rangle)}{[34|56]\langle 2|3+4|1]^2} + \frac{\langle 12\rangle(26\rangle(5/3|12]\langle 26\rangle+4/3|13]\langle 36\rangle+5/3|14]\langle 46\rangle)}{\langle 24\rangle|34]^2\langle 56\rangle\langle 2|3+4|1]} + \frac{[15|\langle 5/3|45]|14]\ldots+3|25][36\rangle+5/3|14]\langle 46\rangle|}{\langle 24\rangle|34\rangle[56]\langle 2|1+4|3\rangle} + \frac{3\langle 34\rangle|24|\langle 46\rangle|2|1+3|4]\langle 36\rangle}{\langle 23\rangle\langle 24\rangle|34]\langle 56\rangle\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{-7/2|45]|24|\langle 34\rangle\langle 46\rangle}{\langle 24\rangle|34]\langle 56\rangle\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{1|14]\langle 46\rangle\langle 34\rangle\langle 36\rangle}{\langle 23\rangle\langle 24\rangle|34]\langle 56\rangle\langle 4|5+6|4]} + \frac{3|45]^2\langle 34\rangle^3}{\langle 23\rangle\langle 24\rangle|56]\langle 1|2+3|4]\langle 4|5+6|4]} + \frac{-3\langle 34\rangle\langle 36\rangle^2}{\langle 23\rangle\langle 24\rangle\langle 56\rangle\langle 1|2+3|4]}$$