$$\frac{1/3i[34]^3\langle 36\rangle^3\langle 45\rangle s_{345}}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3]\langle 3|4+5|3]^3} +$$

$$\frac{1/2i\langle 25\rangle[34]^2\langle 36\rangle^2\langle 6|1+2|3]s_{345}}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3]^2\langle 3|4+5|3]^2} +$$

$$\frac{1/2i[34]^3\langle 36\rangle^2\langle 45\rangle[45]\langle 46\rangle}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|3]\langle 3|4+5|3]^2} +$$

$$\frac{[34]^2\langle 36\rangle^2\langle 45\rangle(-1/2i[14\rangle\langle 16\rangle-1/2i[24\rangle\langle 26\rangle+1/3i[34\rangle\langle 36\rangle)}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3]\langle 3|4+5|3]^2} +$$

$$\frac{[34]^2\langle 7/2i\langle 12\rangle^3[12][13]^3\langle 16\rangle\langle 36\rangle^2\ldots\langle 182\text{ terms}\rangle\ldots+1i[24]\langle 26\rangle^4[26]\langle 34\rangle[34][36]\langle 46\rangle)}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|3]^3\langle 3|4+5|3]s_{345}} +$$

$$\frac{1i\langle 23\rangle[34]^4\langle 45\rangle[45]^2\langle 46\rangle^3}{\langle 12\rangle\langle 16\rangle[35]^3\langle 2|1+6|3]^2\langle 3|4+5|3]s_{345}} +$$

$$\frac{-1/3i\langle 36\rangle^3\langle 45\rangle[46]^3s_{123}}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]\langle 6|4+5|6]^3} +$$

$$\frac{\langle 36\rangle^2\langle 45\rangle[46]^2(-1i\langle 12\rangle\langle 13\rangle[14][26]\ldots\langle 7\text{ terms}\rangle\ldots+1/3i\langle 16\rangle\langle 23\rangle[26][46])}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^2\langle 6|4+5|6]^2} +$$

$$\frac{\langle 36\rangle\langle 45\rangle[46](-1i\langle 12\rangle^2\langle 13\rangle^2[14]^2[26]^2\ldots\langle 39\text{ terms}\rangle\ldots-1/3i\langle 16\rangle^2\langle 23\rangle^2[26]^2[46]^2)}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^3\langle 6|4+5|6]s_{123}} +$$

$$\frac{\langle 13\rangle^2[46]^2\Omega_{624}(1/4i\langle 14\rangle[14]\langle 35\rangle+1/4i\langle 15\rangle[15]\langle 35\rangle+1/4i\langle 23\rangle[24]\langle 45\rangle+1/4i\langle 35\rangle\langle 45\rangle[45])}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^3\Delta_{624}} +$$

$$\frac{1/3i\langle 13\rangle^2\langle 36\rangle\langle 45\rangle^2[45][46]^3}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^3s_{123}} +$$

$$\frac{-1/2i\langle 13\rangle^2\langle 36\rangle\langle 45\rangle[46]^3}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^3} +$$

$$\frac{\langle 13\rangle^2[46]^2\langle 6|2+3|1]\Omega_{624}(3/16i\langle 12\rangle[12]\langle 35\rangle+3/16i\langle 13\rangle[13]\langle 35\rangle+3/16i\langle 23\rangle[23]\langle 35\rangle+3/16i\langle 23\rangle[24]\langle 45\rangle)}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^2\Delta_{624}^2} +$$

$$\frac{\langle 13\rangle[46](-13/8i\langle 12\rangle\langle 13\rangle[13][14][24]\langle 34\rangle\langle 35\rangle\ldots\langle 105\text{ terms}\rangle\ldots-5/8i[24]\langle 25\rangle\langle 34\rangle\langle 35\rangle^2[35][45])}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^2\Delta_{624}} +$$

$$\frac{-1/2i\langle 13\rangle\langle 34\rangle\langle 35\rangle[45][46]^2\langle 56\rangle\ldots\langle 9\text{ terms}\rangle\ldots+1i\langle 16\rangle\langle 35\rangle^2\langle 36\rangle[46]^2[56]}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^2s_{123}} +$$

$$\frac{\langle 13\rangle\langle 35\rangle[46](-1/2i\langle 13\rangle[14]+3/2i\langle 23\rangle[24]-1i\langle 35\rangle[45])}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]^2} +$$

$$\frac{\langle 13\rangle^2[46]^2\langle 6|2+3|1]^2\Omega_{624}(5/32i\langle 12\rangle[12]\langle 35\rangle+5/32i\langle 13\rangle[13]\langle 35\rangle+5/32i\langle 23\rangle[23]\langle 35\rangle+5/32i\langle 23\rangle[24]\langle 45\rangle)}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]\Delta_{624}^3} +$$

$$\frac{\langle 13\rangle[46]\langle 6|2+3|1](-1/8i\langle 12\rangle[13\rangle\langle 23\rangle[24]^2\langle 34\rangle\langle 35\rangle\ldots\langle 29\text{ terms}\rangle\ldots+1/16i\langle 23\rangle^2[23][25][34]\langle 35\rangle^2)}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]\Delta_{624}^2} +$$

$$\frac{\Pi_{624}(103/48i\langle 12\rangle^2[12]^3\langle 13\rangle[14]\langle 15\rangle[24]\ldots\langle 145\text{ terms}\rangle\ldots+1/48i[24]^2\langle 25\rangle^2[25]^2\langle 35\rangle\langle 45\rangle[45])}{\langle 12\rangle[23][56](1|2+3|6]\Delta_{624}^2} +$$

$$\frac{-21/8i\langle 12\rangle\langle 13\rangle[14]^2[24]\langle 34\rangle\langle 35\rangle\ldots\langle 55\text{ terms}\rangle\ldots+1/12i\langle 35\rangle^3\langle 45\rangle[45]^3}{\langle 12\rangle\langle 23\rangle[56](1|2+3|6]\Delta_{624}} +$$

$$\frac{[24](-11/24i\langle 12\rangle[12]^2\langle 13\rangle[14](15\rangle\ldots\langle 36\text{ terms}\rangle\ldots+1/12i[24]\langle 25\rangle[25]\langle 35\rangle\langle 45\rangle[45])}{\langle 12\rangle[23][56](1|2+3|6]\Delta_{624}} +$$

$$\frac{[34]^2(5/2i\langle 12\rangle^2[12]^2[13]\langle 16\rangle\langle 26\rangle^2\ldots\langle 74\text{ terms}\rangle\ldots-27/2i[24]\langle 26\rangle^3\langle 36\rangle[36]^2\langle 46\rangle)}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|3]^3s_{345}} +$$

$$\frac{[34]^2(-65/3i\langle 12\rangle^2[12]^2\langle 26\rangle^2\langle 56\rangle\ldots\langle 68\text{ terms}\rangle\ldots+68/3i\langle 26\rangle^3[26]\langle 56\rangle^2[56])}{\langle 12\rangle\langle 16\rangle[35]\langle 2|1+6|3]^3s_{345}} +$$

$$\frac{1/4i\langle 25\rangle\langle 26\rangle[34]\langle 2|1+6|4](6|2+3|1]\Omega_{246}}{\langle 12\rangle\langle 2|1+6|3]^3\langle 2|1+6|5]\Delta_{624}} +$$

$$\frac{25/2i\langle 23\rangle^2[23]\langle 26\rangle[34]^2\langle 56\rangle^2\ldots\langle 24\text{ terms}\rangle\ldots-11i\langle 26\rangle^2[34]^2\langle 35\rangle\langle 45\rangle[45]\langle 56\rangle}{\langle 12\rangle\langle 16\rangle\langle 2|1+6|3]^3s_{345}} +$$

$$\frac{\langle 26\rangle[34\rangle\langle 56\rangle(1i\langle 12\rangle^2[12][13][14\rangle\langle 16\rangle\ldots\langle 17\text{ terms}\rangle\ldots-25/2i[23\rangle\langle 26\rangle^2\langle 34\rangle[34][46])}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|3]^3\langle 2|1+6|5]} +$$

$$\frac{-1i\langle 25\rangle[34]^3[45]^2\langle 46\rangle^3}{\langle 12\rangle\langle 16\rangle[35]^3\langle 2|1+6|3]^2s_{345}} +$$

$$\frac{7/2i\langle 25\rangle[34]^2\langle 36\rangle[45\rangle\langle 46\rangle\langle 6|1+2|3]}{\langle 12\rangle\langle 16\rangle[35]^2\langle 2|1+6|3]^2s_{345}} +$$

$$\frac{3/16i\langle 25\rangle\langle 26\rangle[34]\langle 2|1+6|4]\langle 3|1+6|2]\langle 6|2+3|1]\Omega_{246}}{\langle 12\rangle\langle 2|1+6|3]^2\langle 2|1+6|5]\Delta_{624}^2} +$$

$$\frac{\langle 26\rangle[34](-2i\langle 12\rangle\langle 14\rangle^2[14]^2[15][24](56\rangle^2\ldots\langle 152\text{ terms}\rangle\ldots-3/4i[15\rangle\langle 16\rangle^2[16\rangle\langle 24\rangle[24][46\rangle\langle 56\rangle^2)}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|3]^2\langle 2|1+6|5]\Delta_{624}} +$$

$$\frac{\langle 26\rangle[34](-11/4i\langle 12\rangle^2[14][15][24]^2\langle 45\rangle\langle 46\rangle\langle 56\rangle\ldots\langle 392\text{ terms}\rangle\ldots+13/4i[45\rangle\langle 56\rangle^5[56]^3)}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|3]^2\langle 2|1+6|5]\Delta_{624}} +$$

$$\frac{5/32i\langle 25\rangle\langle 26\rangle[34]\langle 2|1+6|4]\langle 3|1+6|2]^2\langle 6|2+3|1]\Omega_{246}}{\langle 12\rangle\langle 2|1+6|3]\langle 2|1+6|5]\Delta_{624}^3} +$$

$$\frac{\langle 26\rangle[34](1/2i\langle 23\rangle^4[23]^3[24][25]\langle 56\rangle^2\ldots\langle 133\text{ terms}\rangle\ldots-1/16i[24]^3\langle 26\rangle^2\langle 34\rangle^2[34\rangle\langle 45\rangle^2[45])}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|3]\langle 2|1+6|5]\Delta_{624}^2} +$$

$$\frac{\langle 26\rangle[34]\Pi_{246}(3/4i\langle 23\rangle^3[23]^3[24]\langle 36\rangle\langle 56\rangle\ldots\langle 126\text{ terms}\rangle\ldots+1/48i[23][34\rangle\langle 35\rangle\langle 36\rangle^2\langle 45\rangle^2[45]^2)}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|3]\langle 2|1+6|5]\Delta_{624}^2} +$$

$$\frac{\langle 26\rangle(-23/8i\langle 12\rangle\langle 14\rangle[14]^2[24]^2\langle 46\rangle\langle 56\rangle\ldots\langle 196\text{ terms}\rangle\ldots+37/12i[25][45][46][56\rangle^4[56])}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|3]\langle 2|1+6|5]\Delta_{624}} +$$

$$\frac{1/4i[15]^3\langle 34\rangle^2\langle 3|1+6|5]\langle 5|1+6|4]\Omega_{462}}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\langle 4|1+6|5]^3\Delta_{624}} +$$

$$\frac{3/16i[15]^3\langle 34\rangle^2\langle 3|1+6|5]\langle 5|1+6|4]^2\Omega_{462}}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\langle 4|1+6|5]^2\Delta_{624}^2} +$$

$$\frac{[15]^2\langle 34\rangle\langle 3|1+6|5]\langle 5|1+6|4](1/4i[12]\langle 23\rangle\langle 24\rangle[24]\ldots\langle 9\text{ terms}\rangle\ldots-5/8i[13]\langle 34\rangle\langle 35\rangle[45])}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\langle 4|1+6|5]^2\Delta_{624}} +$$

$$\frac{5/32i[15]^3\langle 34\rangle^2\langle 3|1+6|5]\langle 5|1+6|4]^3\Omega_{462}}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\langle 4|1+6|5]\Delta_{624}^3} +$$

$$\frac{7/16i[15]^3\langle 34\rangle^2\langle 3|1+6|5]\langle 5|1+6|4]^3}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\langle 4|1+6|5]\Delta_{624}^2} +$$

$$\frac{[15]^2\langle 5|1+6|4]^2\Pi_{462}(-3/16i[12]\langle 23\rangle[23][25]\langle 34\rangle\ldots\langle 4\text{ terms}\rangle\ldots-1/48i[15][25]^2\langle 35\rangle\langle 45\rangle)}{[16\rangle[23][56]\langle 2|1+6|5]\langle 4|1+6|5]\Delta_{624}^2} +$$

$$\frac{[15\rangle\langle 5|1+6|4](-1/4i[12]^2\langle 13\rangle[15\rangle\langle 23\rangle^2\ldots\langle 9\text{ terms}\rangle\ldots+1/12i[15]^2\langle 34\rangle\langle 35\rangle^2[45])}{[16\rangle[23][56]\langle 2|1+6|5]\langle 4|1+6|5]\Delta_{624}} +$$

$$\frac{[15\rangle\langle 5|1+6|4](-1/4i\langle 12\rangle[12]^3\langle 23\rangle[25]\ldots\langle 16\text{ terms}\rangle\ldots+1/12i[15]^2[24][25]\langle 35\rangle\langle 45\rangle)}{[16\rangle[23][56]\langle 2|1+6|5]\langle 4|1+6|5]\Delta_{624}} +$$

$$\frac{\langle 6|2+3|1](2245/16i\langle 13\rangle^6[13]^4[14]^2\ldots\langle 825\text{ terms}\rangle\ldots+5/32i\langle 34\rangle\langle 35\rangle^4\langle 45\rangle[34][35]^2[45]^3)}{\langle 12\rangle[56]\langle 2|1+6|5]\Delta_{624}^3} +$$

$$\frac{5/32i[14]^2[15]\langle 34\rangle^2\langle 3|1+6|5]\langle 5|1+6|4]^2\Omega_{462}}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\Delta_{624}^3} +$$

$$\frac{\langle 36\rangle\Omega_{462}(25/32i\langle 12\rangle^2[12]^2\langle 13\rangle[14]^3\langle 34\rangle\ldots\langle 47\text{ terms}\rangle\ldots-5/32i[13]^2\langle 34\rangle\langle 36\rangle^3[46]^3)}{\langle 23\rangle[56]\langle 2|1+6|5]\Delta_{624}^3} +$$

$$\frac{585/32i\langle 12\rangle^3[12]^4\langle 13\rangle[14][16][34\rangle\langle 36\rangle^2\ldots\langle 2723\text{ terms}\rangle\ldots-15/16i[16]^2[26][34]^2\langle 36\rangle^5[36\rangle\langle 46\rangle[46]}{[56\rangle\langle 2|1+6|5]\Delta_{624}^3} +$$

$$\frac{101/48i\langle 23\rangle^3[23]^3[24]^2\langle 26\rangle\langle 36\rangle\langle 56\rangle\ldots\langle 179\text{ terms}\rangle\ldots-3/4i[24][34]^2\langle 35\rangle^2\langle 36\rangle^2[36][45\rangle\langle 46\rangle^2}{\langle 12\rangle\langle 16\rangle[23\rangle\langle 2|1+6|5]\Delta_{624}^2} +$$

$$\frac{35/12i\langle 12\rangle^4[12]^5\langle 13\rangle[14]^2\ldots\langle 2569\text{ terms}\rangle\ldots-3/32i[13][14][25\rangle\langle 35\rangle^2\langle 45\rangle^3[45]^4}{\langle 12\rangle[16][23][56]\langle 2|1+6|5]\Delta_{624}^2} +$$

$$\frac{-13/24i\langle 12\rangle^3[12]^2\langle 13\rangle[14]^3\langle 34\rangle\langle 36\rangle\ldots\langle 74\text{ terms}\rangle\ldots-1/48i[16\rangle\langle 26\rangle\langle 34\rangle[34]\langle 36\rangle^4[36][46]^2}{\langle 12\rangle\langle 23\rangle[56]\langle 2|1+6|5]\Delta_{624}^2} +$$

$$\frac{[14\rangle\langle 34\rangle^2[45](-3/16i[14]^2\langle 24\rangle[24]^2\langle 25\rangle\langle 34\rangle\ldots\langle 4\text{ terms}\rangle\ldots-1/48i[13]^2\langle 35\rangle^3[45]^2)}{[16\rangle\langle 23\rangle[56]\langle 2|1+6|5]\Delta_{624}^2}$$