1

简单测试一下

$$f(Z) = rac{1}{2}(3 + Z_1 + Z_2 + Z_1 Z_2) \ C_1 = rac{1}{2}(1 + Z_1) \ C_2 = rac{1}{2}(1 + Z_2) \ C_3 = rac{1}{2}(1 + Z_1 Z_2) \ H_c = rac{1}{2}(3I + Z_1 + Z_2 + Z_1 Z_2)$$

2

$$2$$
个内部二次项 $f(Z)=rac{1}{2}(6\pm Z_1\pm Z_2\pm Z_3\pm Z_4\pm Z_1Z_2\pm Z_3Z_4\pm Z_1Z_3)$ $C_1=rac{1}{2}(1\pm Z_1)$ $C_2=rac{1}{2}(1\pm Z_2)$ $C_3=rac{1}{2}(1\pm Z_3)$ $C_4=rac{1}{2}(1\pm Z_4)$ $C_5=rac{1}{2}(1\pm Z_1Z_2)$ $C_6=rac{1}{2}(1\pm Z_1Z_2)$ $C_6=rac{1}{2}(1\pm Z_3Z_4)$ $C_6=rac{1}{2}(1\pm Z_3Z_4)$

$$2$$
个内部二次项, 1 个外部二次型 $f(Z)=rac{1}{2}(7\pm Z_1\pm Z_2\pm Z_3\pm Z_4\pm Z_1Z_2\pm Z_3Z_4\pm Z_1Z_3)$ $C_1=rac{1}{2}(1\pm Z_1)$ $C_2=rac{1}{2}(1\pm Z_2)$

$$C_3 = rac{1}{2}(1 \pm Z_3) \ C_4 = rac{1}{2}(1 \pm Z_4) \ C_5 = rac{1}{2}(1 \pm Z_1 Z_2) \ C_6 = rac{1}{2}(1 \pm Z_3 Z_4) \ C_7 = rac{1}{2}(1 \pm Z_1 Z_2) \ H_c = rac{1}{2}(7I \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_3)$$

4

$$2$$
个内部二次项, 2 个外部二次型 $f(Z)=rac{1}{2}(8\pm Z_1\pm Z_2\pm Z_3\pm Z_4\pm Z_1Z_2\pm Z_3Z_4\pm Z_1Z_3\pm Z_2Z_4)$ $C_1=rac{1}{2}(1\pm Z_1)$ $C_2=rac{1}{2}(1\pm Z_2)$ $C_3=rac{1}{2}(1\pm Z_3)$ $C_4=rac{1}{2}(1\pm Z_4)$ $C_5=rac{1}{2}(1\pm Z_1Z_2)$ $C_6=rac{1}{2}(1\pm Z_1Z_2)$ $C_6=rac{1}{2}(1\pm Z_1Z_2)$ $C_6=rac{1}{2}(1\pm Z_1Z_2)$ $C_7=rac{1}{2}(1\pm Z_1Z_2)$ $C_8=rac{1}{2}(1\pm Z_1Z_3)$ $C_8=rac{1}{2}(1\pm Z_1Z_2)$

$$2$$
个内部二次项, 1 个外部二次型 $+1$ 个三次型 $f(Z)=rac{1}{2}(8\pm Z_1\pm Z_2\pm Z_3\pm Z_4\pm Z_1Z_2\pm Z_3Z_4\pm Z_1Z_3\pm Z_1Z_2Z_3)$ $C_1=rac{1}{2}(1\pm Z_1)$ $C_2=rac{1}{2}(1\pm Z_2)$ $C_3=rac{1}{2}(1\pm Z_3)$

$$C_4 = rac{1}{2}(1 \pm Z_4) \ C_5 = rac{1}{2}(1 \pm Z_1 Z_2) \ C_6 = rac{1}{2}(1 \pm Z_3 Z_4) \ C_7 = rac{1}{2}(1 \pm Z_1 Z_3) \ C_8 = rac{1}{2}(1 \pm Z_1 Z_2 Z_3) \ H_c = rac{1}{2}(8I \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_3 \pm Z_1 Z_2 Z_3)$$

6

$$2$$
个内部二次项, 2 个三次型
$$f(Z) = \frac{1}{2}(8 \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_2 Z_3)$$

$$C_1 = \frac{1}{2}(1 \pm Z_1)$$

$$C_2 = \frac{1}{2}(1 \pm Z_2)$$

$$C_3 = \frac{1}{2}(1 \pm Z_3)$$

$$C_4 = \frac{1}{2}(1 \pm Z_4)$$

$$C_5 = \frac{1}{2}(1 \pm Z_1 Z_2)$$

$$C_6 = \frac{1}{2}(1 \pm Z_1 Z_2)$$

$$C_7 = \frac{1}{2}(1 \pm Z_1 Z_3 Z_4)$$

$$C_8 = \frac{1}{2}(1 \pm Z_1 Z_2 Z_3)$$

$$H_c = \frac{1}{2}(8I \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_3 Z_4 \pm Z_1 Z_2 Z_3)$$

$$2$$
个内部二次项, 1 个外部二次型 $+1$ 个四次型 $f(Z)=rac{1}{2}(8\pm Z_1\pm Z_2\pm Z_3\pm Z_4\pm Z_1Z_2\pm Z_3Z_4\pm Z_1Z_3\pm Z_1Z_2Z_3Z_4)$ $C_1=rac{1}{2}(1\pm Z_1)$ $C_2=rac{1}{2}(1\pm Z_2)$ $C_3=rac{1}{2}(1\pm Z_3)$

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$$C_4 = rac{1}{2}(1 \pm Z_4) \ C_5 = rac{1}{2}(1 \pm Z_1 Z_2) \ C_6 = rac{1}{2}(1 \pm Z_3 Z_4) \ C_7 = rac{1}{2}(1 \pm Z_1 Z_3) \ C_8 = rac{1}{2}(1 \pm Z_1 Z_2 Z_3 Z_4) \ H_c = rac{1}{2}(8I \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_3 \pm Z_1 Z_2 Z_3 Z_4)$$

$$2$$
个内部二次项, 1 个三次型 $+1$ 个四次型
$$f(Z) = \frac{1}{2}(8 \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_2 Z_3 \pm Z_1 Z_2 Z_3 Z_4)$$

$$C_1 = \frac{1}{2}(1 \pm Z_1)$$

$$C_2 = \frac{1}{2}(1 \pm Z_2)$$

$$C_3 = \frac{1}{2}(1 \pm Z_3)$$

$$C_4 = \frac{1}{2}(1 \pm Z_4)$$

$$C_5 = \frac{1}{2}(1 \pm Z_1 Z_2)$$

$$C_6 = \frac{1}{2}(1 \pm Z_1 Z_2)$$

$$C_7 = \frac{1}{2}(1 \pm Z_1 Z_2 Z_3)$$

$$C_8 = \frac{1}{2}(1 \pm Z_1 Z_2 Z_3 Z_4)$$

$$H_c = \frac{1}{2}(8I \pm Z_1 \pm Z_2 \pm Z_3 \pm Z_4 \pm Z_1 Z_2 \pm Z_3 Z_4 \pm Z_1 Z_2 Z_3 Z_4)$$