

DIC

① Sum of product (SOP)

$$① F_1 = \bar{x}\bar{y}z + \bar{x}y\bar{z} + x\bar{y}\bar{z} + x\bar{y}z$$

$$F_2 = \bar{x}yz + x\bar{y}z + xy\bar{z} + xyz$$

$$② F_1 = \bar{x}\bar{y}z + \bar{x}y\bar{z} + x\bar{y}\bar{z} + x\bar{y}z$$

$$F_2 = \bar{x}\bar{y}z + \bar{x}y\bar{z} + \bar{x}yz + x\bar{y}z$$

POS

$$① F_1 = (x+y+z)(x+\bar{y}+\bar{z})(\bar{x}+\bar{y}+z)(\bar{x}+\bar{y}+z)$$

$$F_2 = (x+y+z)(x+y+\bar{z})(x+\bar{y}+z)(\bar{x}+y+z)$$

$$② F_1 = (x+y+z)(x+\bar{y}+\bar{z})(\bar{x}+y+\bar{z})(\bar{x}+\bar{y}+z)$$

$$F_2 = (x+y+z)(\bar{x}+y+\bar{z})(\bar{x}+y+z)(\bar{x}+\bar{y}+z)$$