$$\rightarrow \Sigma m(0,1,2,0,4,9,14), D(5,10)$$

-2 for missed EPIs
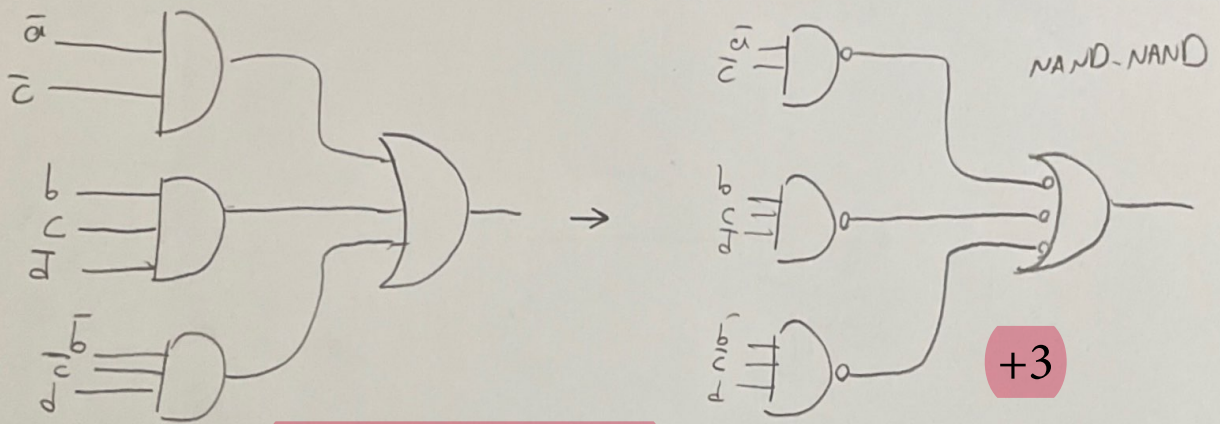
$$EPI, PI \Rightarrow \bar{a}\bar{c}, \bar{b}\bar{c}d, bc\bar{d}$$

-2 for missed PIs +3

$$\xrightarrow{SOP} \bar{a}\bar{c} + bc\bar{d} + \bar{b}\bar{c}d$$

+4

NAND-NAND

-2 for did not change gates
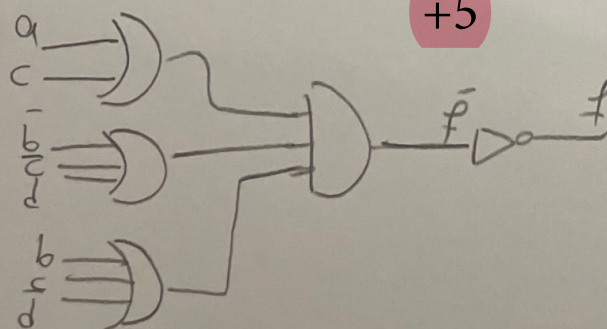
+3

$$f(a,b,c,d) = \Pi M(3,7,8,10,11,13,16), D(5,10) \rightarrow$$

$$\bar{f}(a,b,c,d) = \Pi M(0,1,2,0,4,9,16), D(5,10) \rightarrow$$

$$\rightarrow \bar{f} = (a+c)\cdot(\bar{b}+\bar{c}+d)\cdot(b+c+\bar{d})$$

+5

اعداد

✓ ٥
✓ ١
/ ٣
___
/ ٢
/ ٥
/ ٤
/ ٩
___
/ ١٢
/ ١٥

| (٥,١) ١
| (٥,٤) ٣
| ___
| (١,٥) ٢
| (١,٥) ٤
| (١,٩) ٨
| (٤,٥) ١
| (٤,٩) ٢
| (٩,١٤) ٨
| (١٤,١٥) ١

(٥,١,١,٥) (١,٥)
(٥,١,١,٥) (١,٤)
(٥,١,١,٩) (١,٨)
(٥,٥,١,٥) (٤,١)
(٥,٥,٥,٥) (٥,١)
(٥,٥,٥,٩) (٤,٥)
(٤,٩,٩,١٤) (٥,١٤)