

$$= \sum m(0, 2, 4, 6, 10)$$

ab \ cd	00	01	11	10
00	1	1		
01	1*			1
11			1*	1
10		1*		

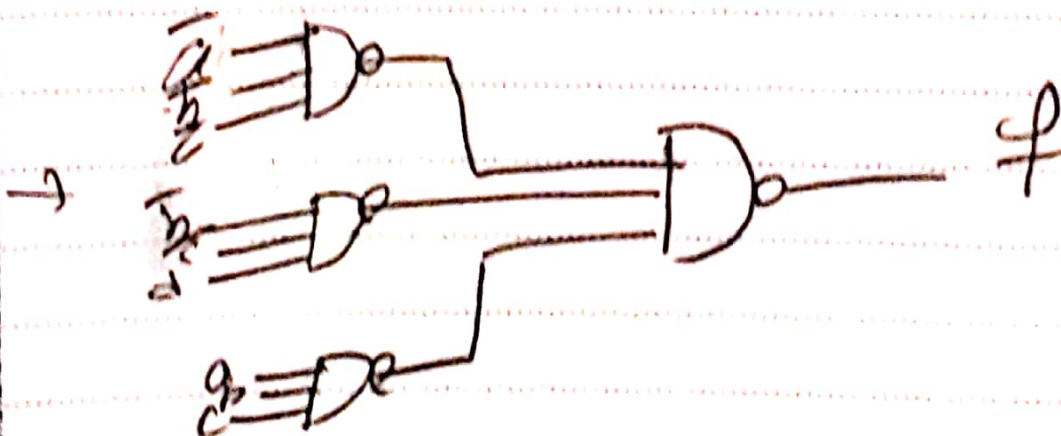
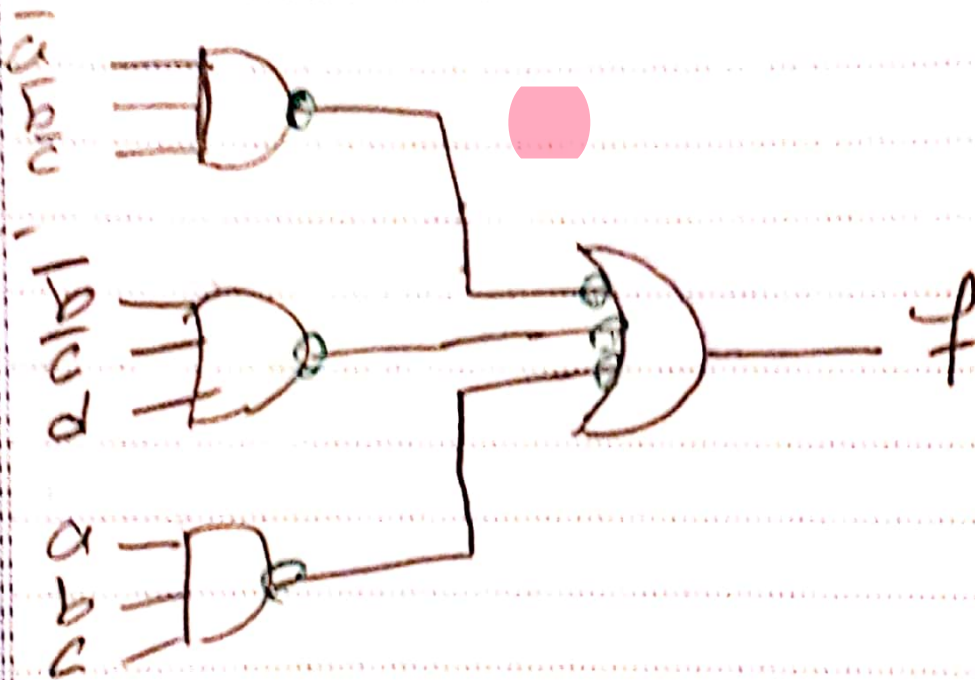
$$PI: \bar{a}\bar{b}\bar{c}, \bar{a}\bar{c}\bar{d}, \bar{b}\bar{c}\bar{d}, abc, bcd$$

$$EPI: \bar{a}\bar{b}\bar{c}, \bar{b}\bar{c}\bar{d}, abc$$

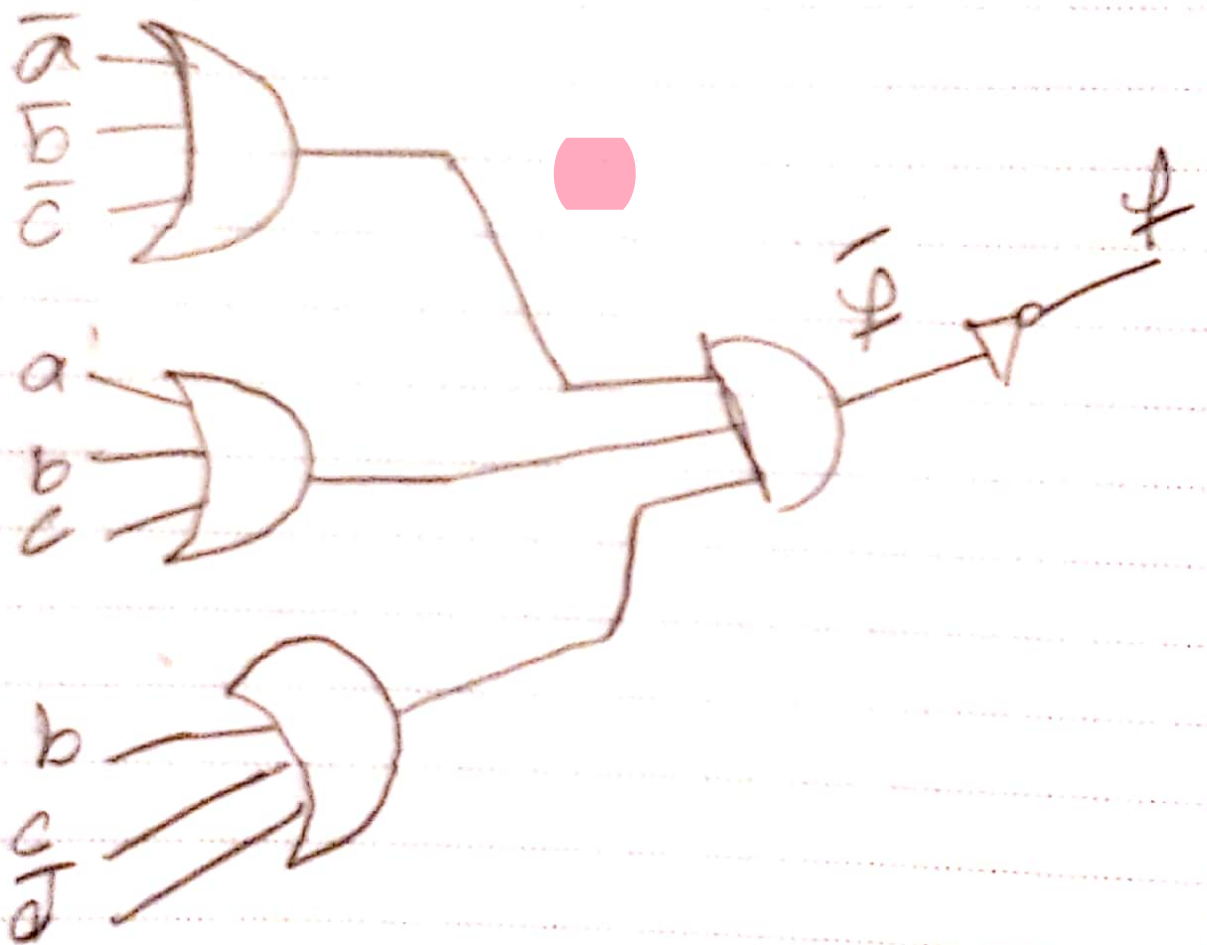
$$f: SOP: \bar{a}\bar{b}\bar{c} + \bar{b}\bar{c}\bar{d} + abc$$

NAND-NAND:

SOP: $\bar{a}\bar{b}\bar{c} + \bar{b}\bar{c}d + abc$



$$F = (a + b + c)(b + c + \bar{a}) \cdot (\bar{a} + \bar{b} + \bar{c})$$



SUBJECT:

DATE: / /

Queen - MC:

$f(a, b, c, d) = \sum m(0, 1, 2, 4, 12, 15)$

	PI				
a	(0, 1) 1 0	a	b	c	d
1	(0, 4) 2 0	0	0	0	-
2	(1, 4) 1 0	0	-	0	0
4	(12, 15) 1 0	-	0	0	1
12		1	1	1	-
15					
16					

PI	0	1	4	9	12	15
$\bar{a}\bar{b}\bar{c}$	X	X				
$\bar{a}\bar{c}d$	X		X			
$\bar{b}\bar{c}d$		X		X		
abc					X	X

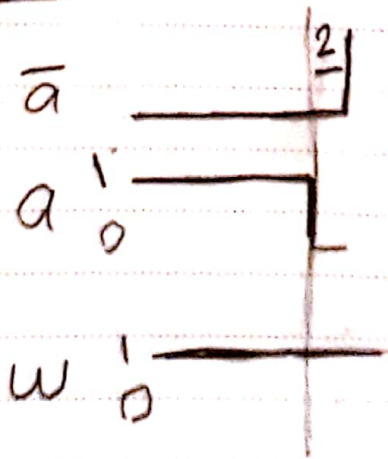
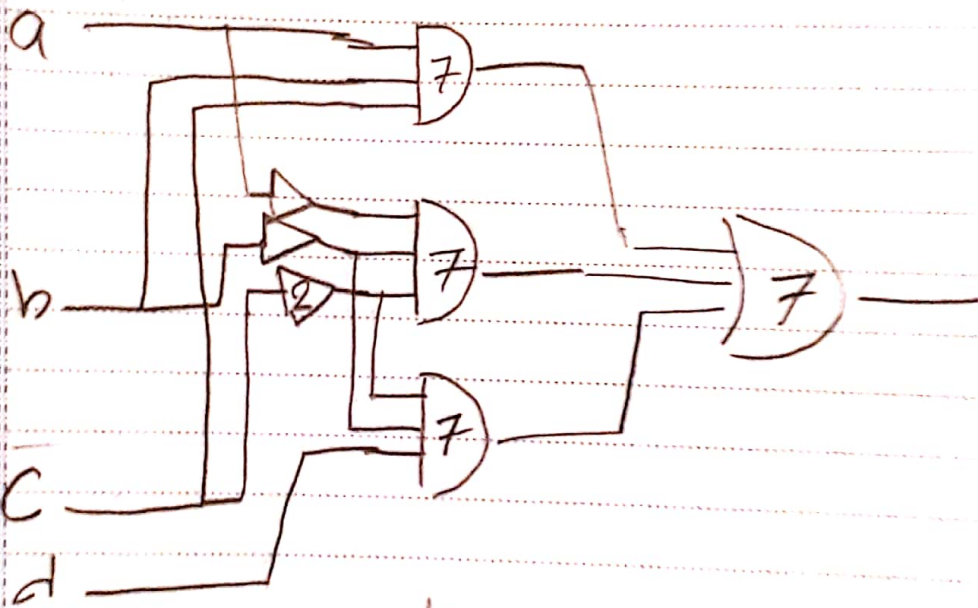
-6

$f = \text{sop} = \bar{a}\bar{b}\bar{c} + \bar{b}\bar{c}d + abc$

FATER

$\bar{a} : 1110$
 $\bar{b} : 0110$

-18



راه حل : افزودن سی : $\bar{a} \bar{e} \bar{d}$