

-2 for
missed
PIs

2/16

99 29 31 39

	cd	00	01	11	10
ab	0	1	1	1	1
00	1	1	1	1	1
01	1	1	1	1	1
11	1	1	1	1	1
10	1	1	1	1	1

-2 for missed EPIS

$$0, 1, 2, 3 \rightarrow a'b'$$

$$0, 1, 4, 5 \rightarrow a'c'$$

+4

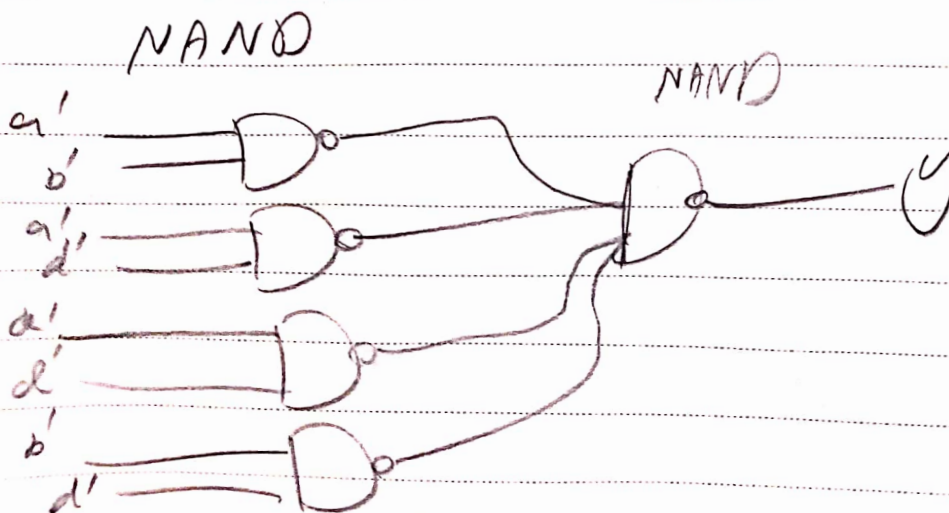
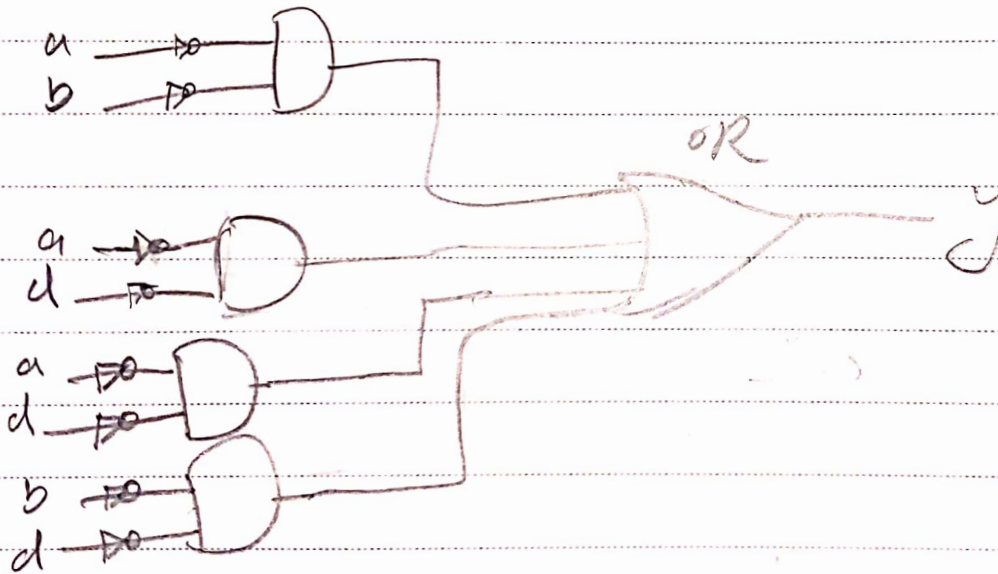
$$0, 2, 4, 6 \rightarrow a'd'$$

$$0, 2, 8, 10 \rightarrow b'd'$$

$$y = a'b' + a'c' + a'd' + b'd'$$

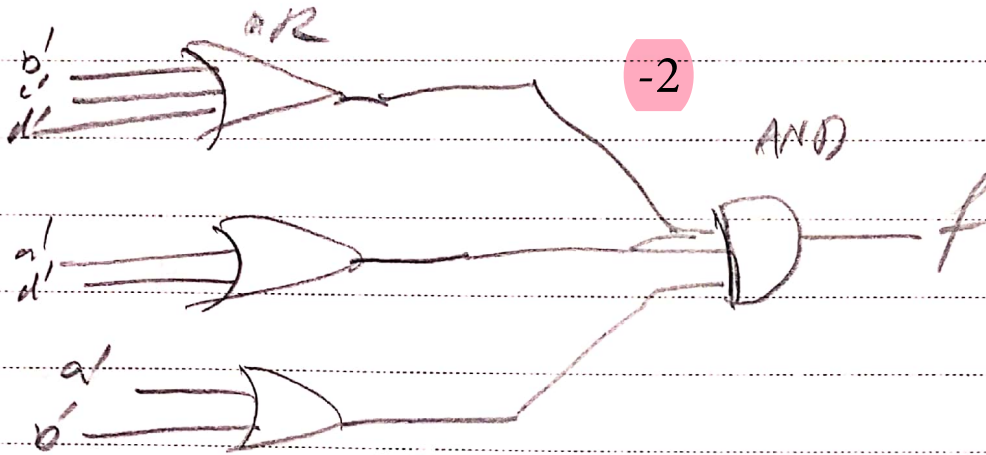
-4 for missed other forms of F

+2



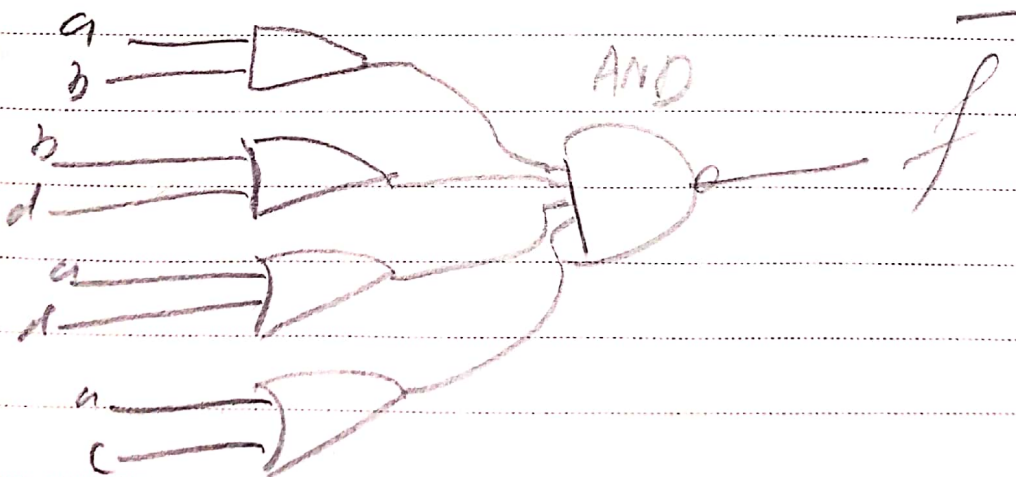
: (Nuseb

$$f = (b' + c' + d') \times (a' + d') (a' + b') \quad +3$$



Sop $f = \bar{a}b + b'd + a'd' + a'c'$ AND or Inv

$$(a+b)(b+d)(a+d)(a+c) \quad -5$$



سوال ۲ :

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جدول مذکور

0000

0001

0010

0011

0100

0101

0110

1000

1010

1011

001 0 0 0 -

005 0 0 - 0

006 0 - 0 0

008 - 0 0 0

1,3 0 0 - 1

100 0 - 0 1

2,3 0 0 1 -

2,3 0 - 1 0

2,10 - 0 1 0

2,11 - 0 1 1

5,6 0 1 0 -

5,5 0 1 - 0

5,15 - 1 0 0

1,10 1 0 - 0

1,15 1 - 0 0

1,2,11 1 0 1 -

+3

-5 for uncompleted Table with some mistake in placing numbers

	0	1	2	3	4	5	6	7	8	9	10	11	12
1	x	x	x	x									
2	x	x			x	x							
3	x	x	x	x	x								
4	x									x	x		
5	x				x					x			
6				x	x							x	

① 0 1 2 3 0 0 -

② 0 1 5 6 0 - 0 -

③ 0 2 5 6 0 - - 0

④ 0 2 8 10 - 0 - 0

⑤ 0 5 8 15 - - 0 0

⑥ 2 3 10 11 - 0 1 -

سوال: $a'b' + a'c' + a'd' + b'd'$

+6