Question	١	
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1)

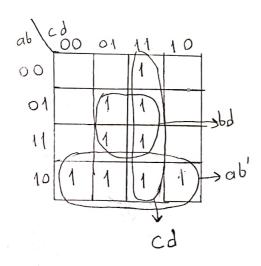
ab Y	900	01	11	10
00	0,6,5,9	0'6'0'	abcd	aib'cd'
	a'bc'b'			
11	abc d'	abcid	abcd	abcd'
10	ab'e'b'	alicid	alicd	alicò

F. (AB, C, D) = \( \int m(0,1,4,5,8,9,10,12,13)

\	. 7		1	1)	
ap /	00	91	11	10	
00	1	1	0	0	
01	1	1	0	0	
11	1	1	Ō	0	
10	(1)	1	0	(1)	
	\ C	1		ab	6

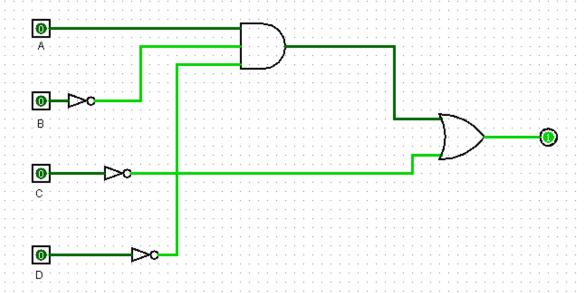
F2(AB,C,D)= \(\Sigma\)(3,5,7,8,9,10,11,13,15)

F1=	c'	+	a١	69	
11-		`	0	00	

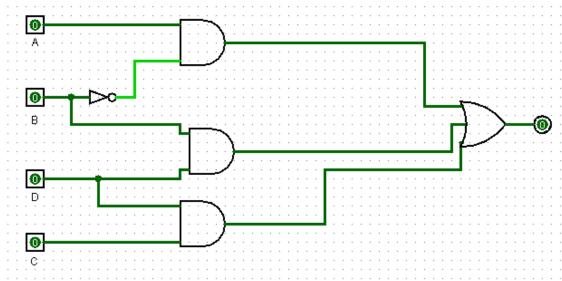


## Question1.3

F:1

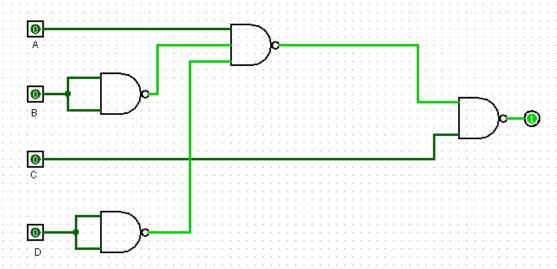


F2

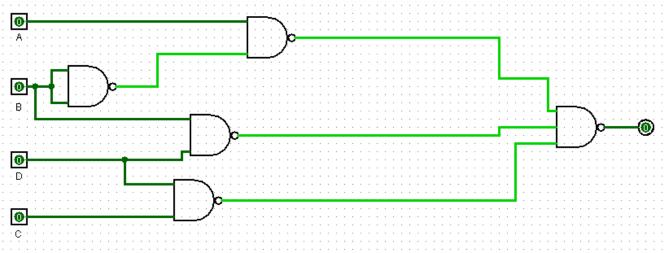


## Question1.4





F



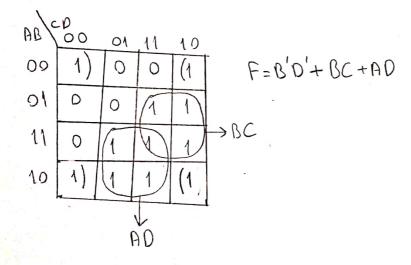
Question 2

$II_{I}$			4								
	A	B	<u>_</u>	D	AB'	AD	BC	co	ABCO	F	
	0	0	0	0	0	0	0	0	1	1	ABCOMO
	0	0	0	ł	0	0	0	0	0	0	
	0	0	1	0	0	0	0	1	9	1	→ A'B' CDm2
	0	0	1	1	0	0	0	0	0	0	-
	0	1	0	0	0	O	0	0	D	0.	
	0	1	0	1	0	0	0	0	0	0	10.00
	0	1	1	0	0	0	0	1	0	1.	→ A'BCD'mi
	0	1	1	1	0	0	1	0	0	1	-> A'BCOM7
	1	0	0	9	1	9	0	0	0	4	→ ABCDm8
	1	0	0	1	1	1	0	0	0	1	→ AB'C'Dma
	11	9	1	0	1	9	1	- 1	0	t.	-> ABCD mio
	1	9	A Comment	1	1	1	1	0	0	1	-> AB'CD mal
	1	1	0	0	0	0	D	0	0	0	
	T	1	0	1	0	1	0	1	0	1.	→ABC'D M13
	1	1	1	0	0	0	1	0	0	1	>ABCD MIL
	1	11	1	1	0	1	1	9	0	1	>ABCD mas
	-			1							

7	1
_	-1
	•

tB/c	000	٥,	W 62	
	00	01	11	10
00	A'B'c'o'	ABCO	ARCO	Arco
01	A'BC'D'	A'BC'D	ABCO	A'BCD'
	ABCD			
10	ABCO	ABCD	AC'CD	ABCO

## 3)



4

AB C	00	. 01	11	10
00	1	0	6	1
01	0	0	4	4
11	0	1	1	1
10	1	1	1	1

## Question2.5

