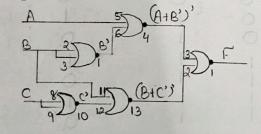
	1
t)
	(

In	outs		Outputs	8	Jan San San San San San San San San San S
A	B	C	(A+B)	CB+C)	F=CA+B) CB+C)
0	0	0	. 0	0	0
0	0	111	0	THE COURSE	. 0 0
0	1	0	la di	0 0	01,101
0	1	1	11	0 0	001
	0	0	1	00	
	0	1	Oliver	0 0	1/2000 Pu 24
	10	0	Carrie	0 1 0	700
	11		H A	9 0	000

Fore Obj. 2-3





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H.		1
ĸ	7	
		/

F= (A+B')(B+C')
1 - 0110 / 010
1 1 9 2
0
0
000
100119
0

 Se No.

		12 13	ugho)		
Inputs	F (AIR) CB	Outputs	81A)	DAH	
ABCD	E C, E,	(A+B) (A+B)C'	(A+BCH)	((A+B)e'+D)E'=	F
000000-000	0-	0000000000000000000	0000	00-000-0-0-000-0-0-0-0-0-0-0-0-0	40 30 7 (6 70 (8

Components Required
Sl. No. Name of the Component Specification Quantity

T402 IC 2 input NOR hate 2

Universal Trainer Kit

Connecting Wires 23806 As required

Observations ->

Fore Obj. 1 -> F= CA+B) CB+C)

Inpu	ık	1	Theoretical Output	Preactical Output
AB	В	C	F= (A+B)(B+C)	
0	0	0	0	0
0	0	1	0	0
0	1	0	1	
0	1	1		
1	0	0	0	0
1	0	1		7 6 6 6
1	1	0	1	0100
1	1 6	1		11100
) .		0000

I	puls		Theoretical Output	Practical Output
A	B	C	F=(A+B')(B+C')	8 1 0 1
0	0	0		
0	0	1	0	0
0	10	0	0	
0	1	1	O	1011
1	0	0		0
1	0	1		i i i i i
1	1	0		1
1	1	1		

For Obj. 3 + F= ((A+B)C'+D)E'

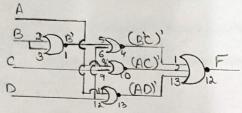
ire Ob	١٠٥	7 F	= ((JH+15)) C		unyano) 91	Practica	l Ow	lpwl
PAT THE	Inp	uls	20	Hooli	049	Theoretical	Output	Tioc. C		
A0000000000000000000000000000000000000	1	00000000000000000-	0000000000000	mo-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		F: (CAIB)C	COHE DONNERS OF THE PARTY OF TH	0-000-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	2000-00-00-00-00-00-00-00-00-00-00-00-00	A 0 0 0 0 1 1 1 1 1 2 7 1 4

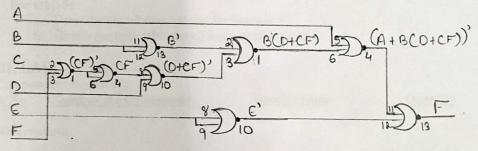
holusion -

This experiments implements Boolean function using logic getes. Some basics of logic gates (NOR) in sum of product representation of equations of their implemention using 7402 IC NOR do logic gates.

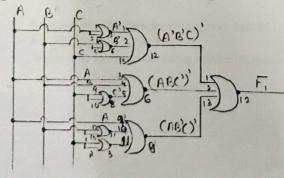
IV) Post-LAB->

1) F= AC+AD+B'D





3) F= Zm (2, 3,8,9,14,15)



ABCO					
	00	01	11	10	
00	mo	mı	me	m,	
			T	1	- AB'C
01	my	me	m ₂	mc	
11	may	mg	mu	m,0	ABC'
10	mız	mis	m ₁₅	m ₁₄	→ AB'C
	-	-			