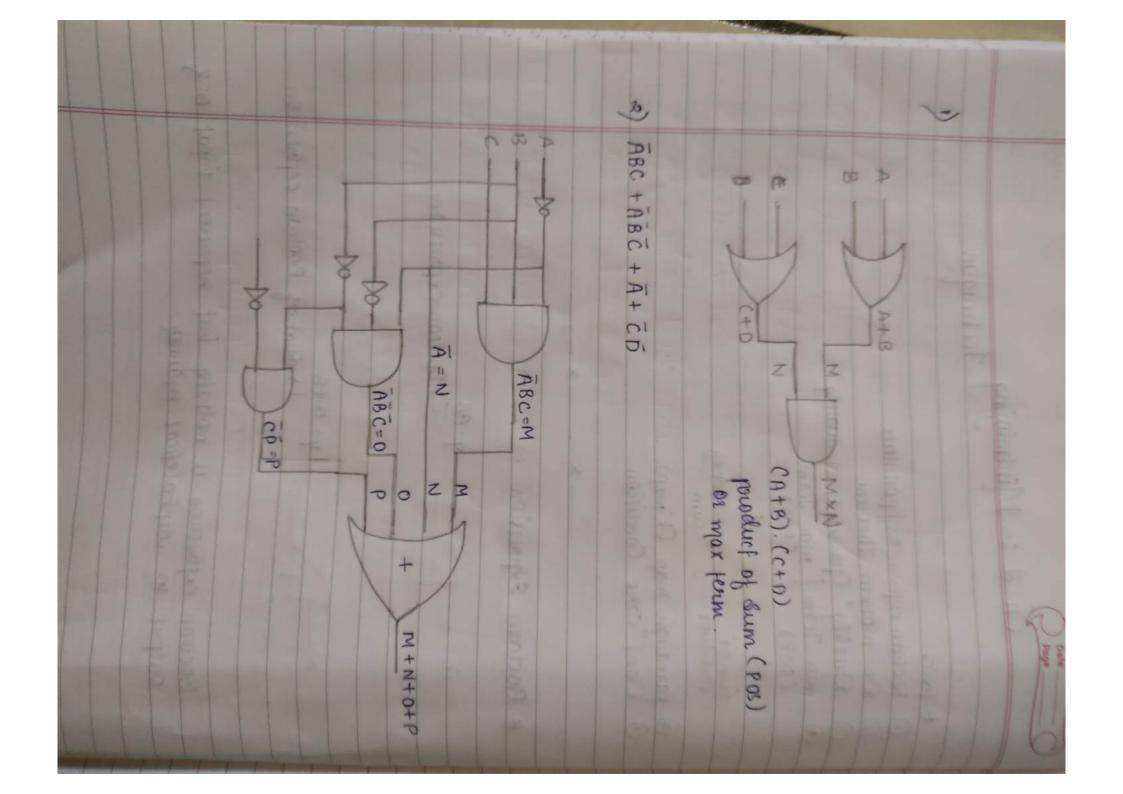
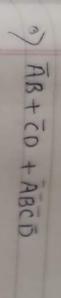
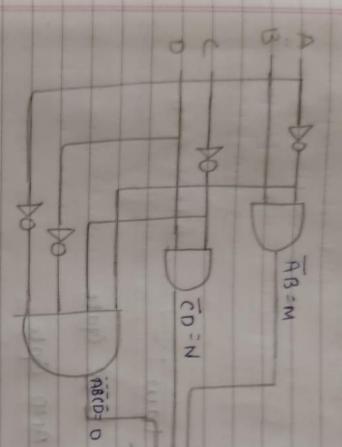
	Dots Page
	Ch-2:- Minimiging Jechnique
	Jechnique.
4	
0	Popics
@	Boolean expression portulate
3	De morgan Theorem
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(3)	francial man (Varia)
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	- X
*	Beclean Expussion
1	
	A V: AB
	Ti Boolean exprusion
	A BITTON O
	A - Y = M+B
	+> Ly dem of Boolean expression
	B
	Boolean expression is nothing but superesent input of
	output in alphabetical manney.
-	







- * Bookean postulatus / Law
- O A. I = A (Identity Law)
- (A. 0 = 0 (Null law)
- (3) A.A:A
- { n=0 }= 0.1=0 }

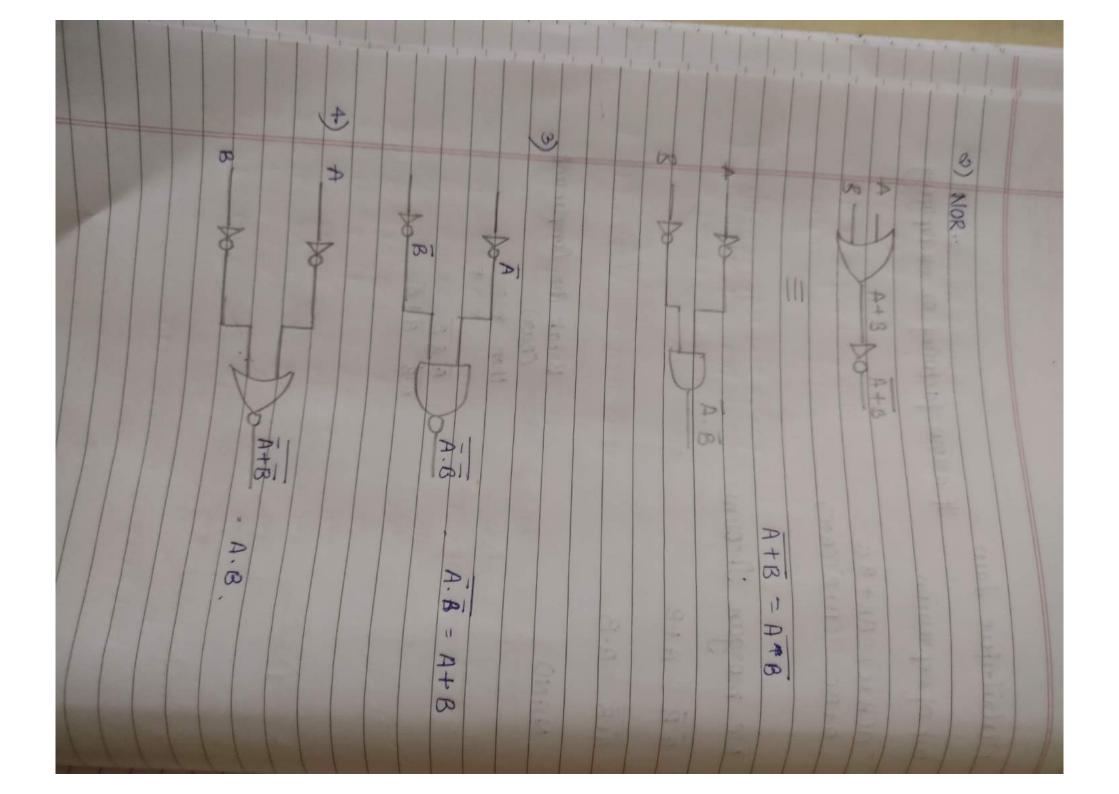
4

19) Associative law 0 0 If allows Grouping of Variable 0 CARCID - CARDIL 0 (A+B)+C If allow change in position of AND & 012 AB=BA A+B = B+A Commutative Law: A+A = 1 A+A=A A+0=A 1 AND Gate (A+c)+B A+(B+() I DR Grate Vasi able

X 3 11) Distributure daws De-morgan A.B out of expression A(B+C): AB+AC A+BC = CA+B) CA+C) A+B Theosen : If allow factoring or multiplying

- (2) A+B = A-B
- (2) ZAND A | B | A | then Break 13 8 (Base) A+B the Compliment

AtB



Truth D A.B.C.D A.B.C.D O Jalvie P At A+B+C+D BI B+C+D AB A+B T +3

* Min form & max form

- 5m 1 (Tim)
- (20d)-

(4)

300

- (4) CAB+BD+AC (A+B)(B+D) CA+C
- Difference b/w mun team max term
- 0 Sum of presenct min form MCIX Junganc f Mes 0
- De Sop the boolean topic

 AND openation is don't for

 Variable & expression & then

 OR Gate is used.

3	(D)	
	1 91 Ps defined by AND	The minterm define the minimum no of combination
	s defi	mun fexu mum mum
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1	1	1

Danable then that Variable

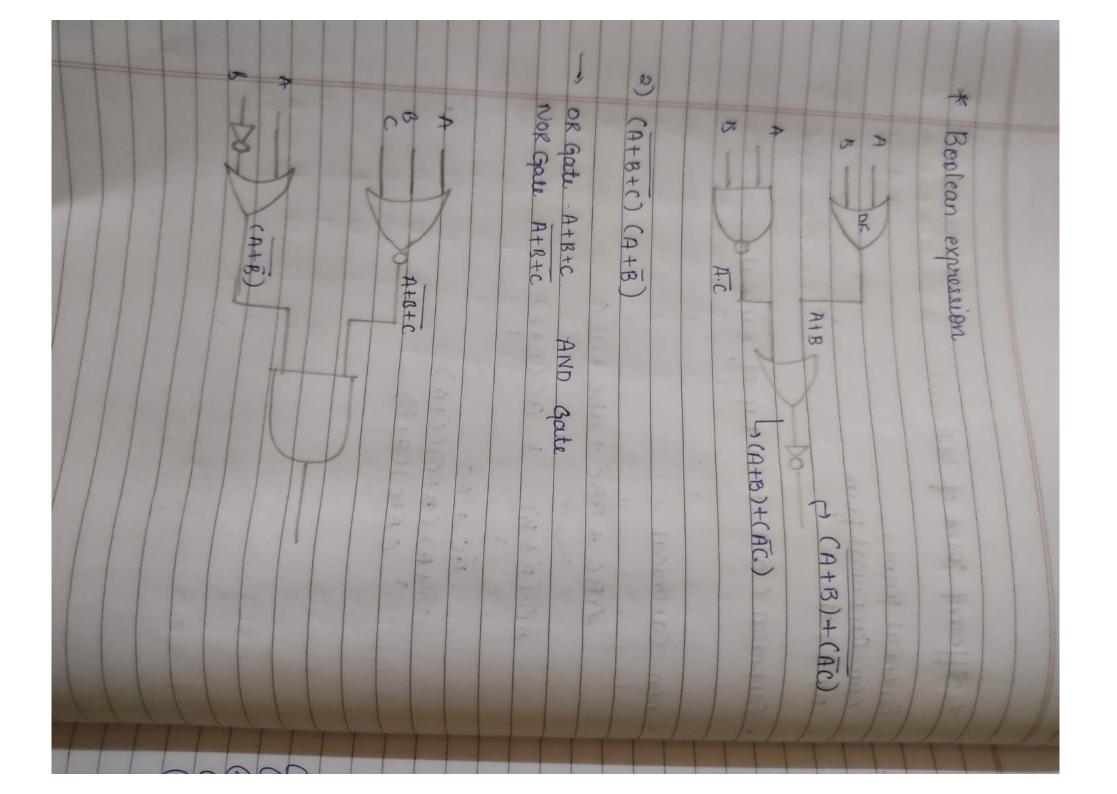
Min Gate - AND Gate

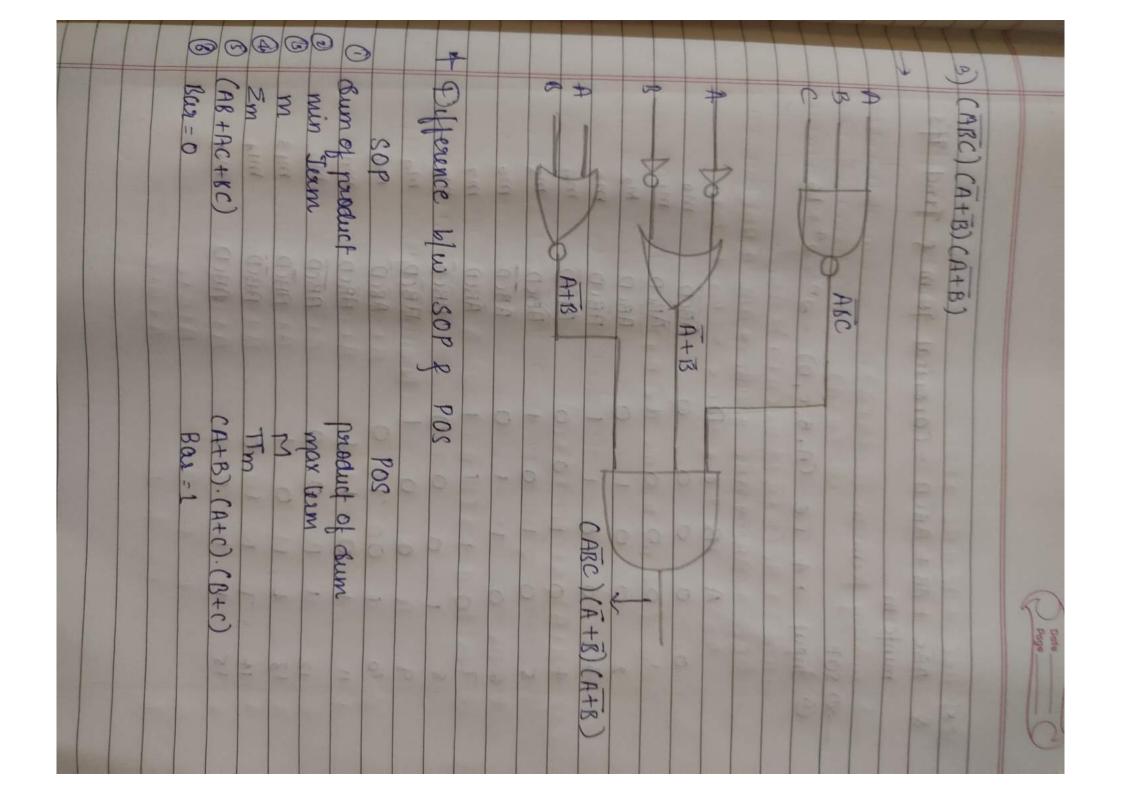
Eg - 3 input . A, B, C

	90	7 6	Cr.	4 0	7 4	0	
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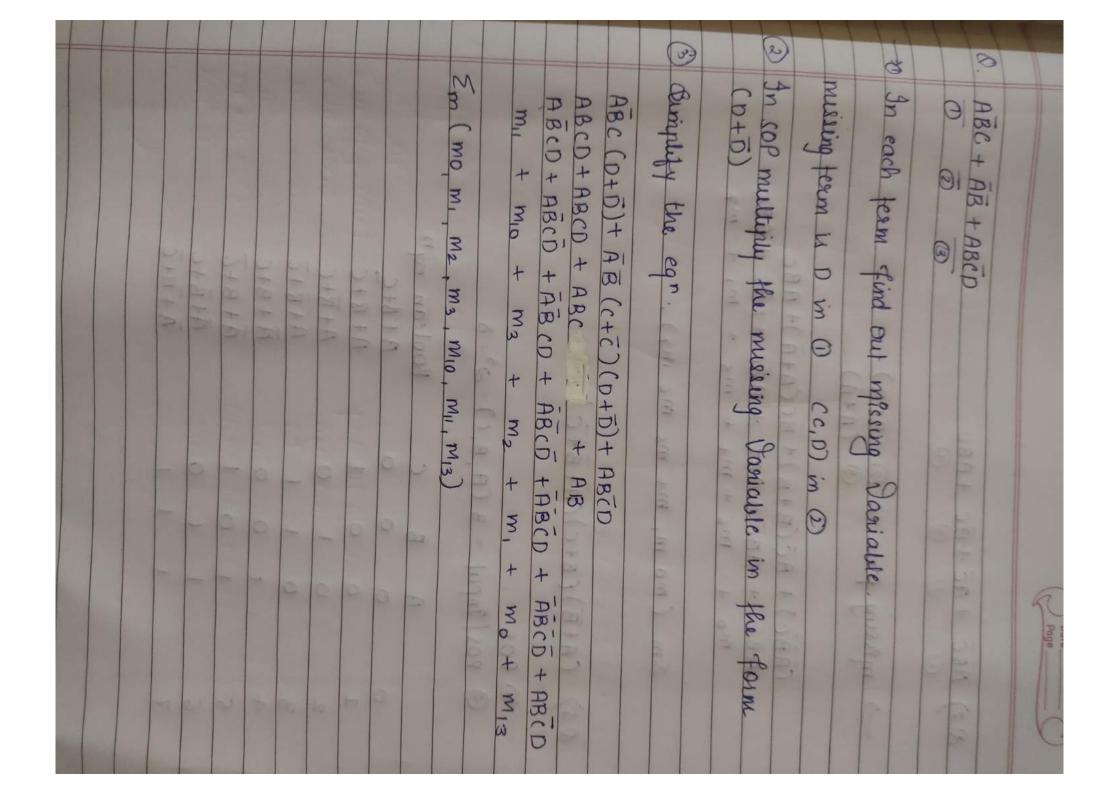
Canonical

3 ·) Canonical form 100 non-3 different form of SOP Canonical (sor) non-Canonical form Canonical AC ABC A+A) (B+B) AC + ABC Atc)(A+C) (A+1)(C+A) AC go driversty en ABC +ABC (B+B) minimal





		15	: 13	12	=	10	9	op	7	6	7 4	-		-			08		SO X	
						ľ					1	6	2	-	G		Sop	mir	ABC	
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	11		-	1	1	1	1										9		Canonical	
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Atlate
                                                   00
                                                                                               ABC
                                                                                               9 B C
```



missing feam in @ C.C.

(A+B+C) CA+B+ mo) (A+15+C ms CB+C+CA.A) CA+B+C) CA+B+C mo CA+B+C ma CA+B+C 4 m

TIM (MO, M2, M3, M4, M7)