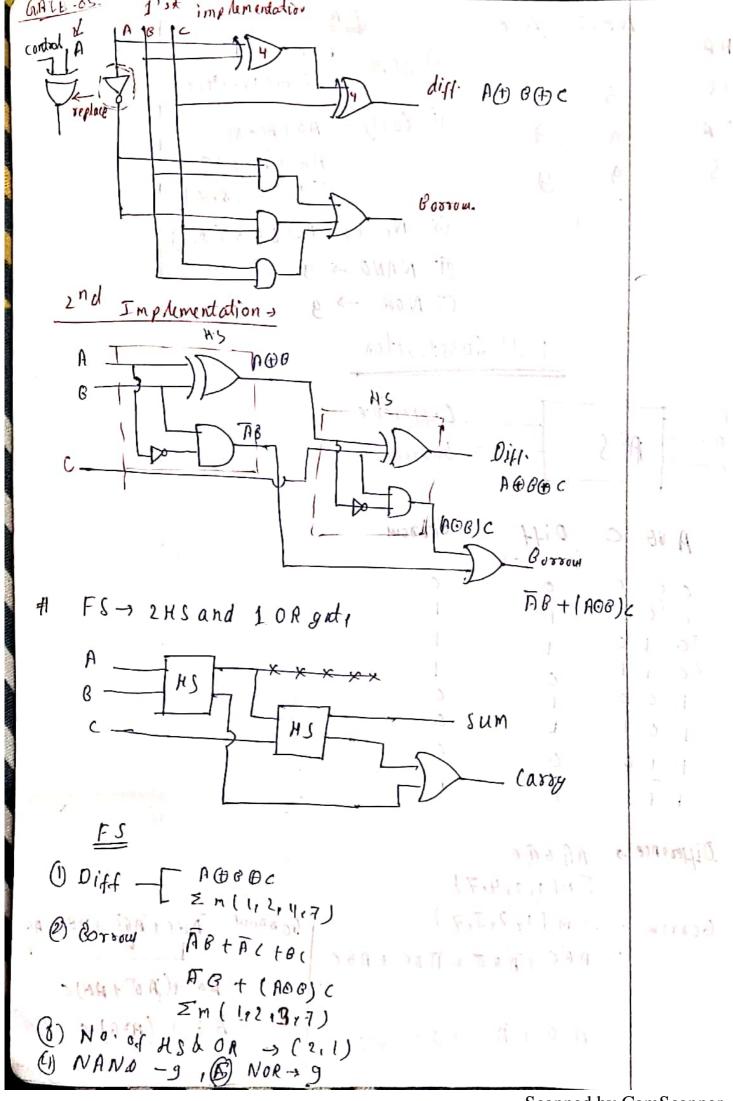
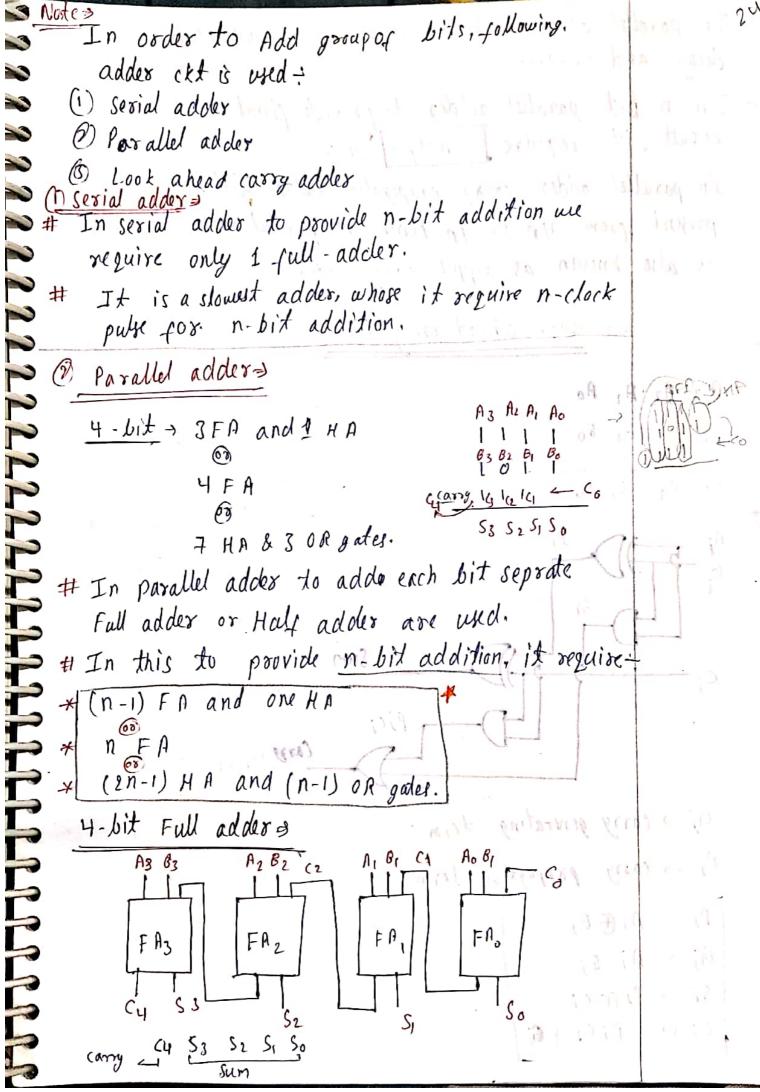


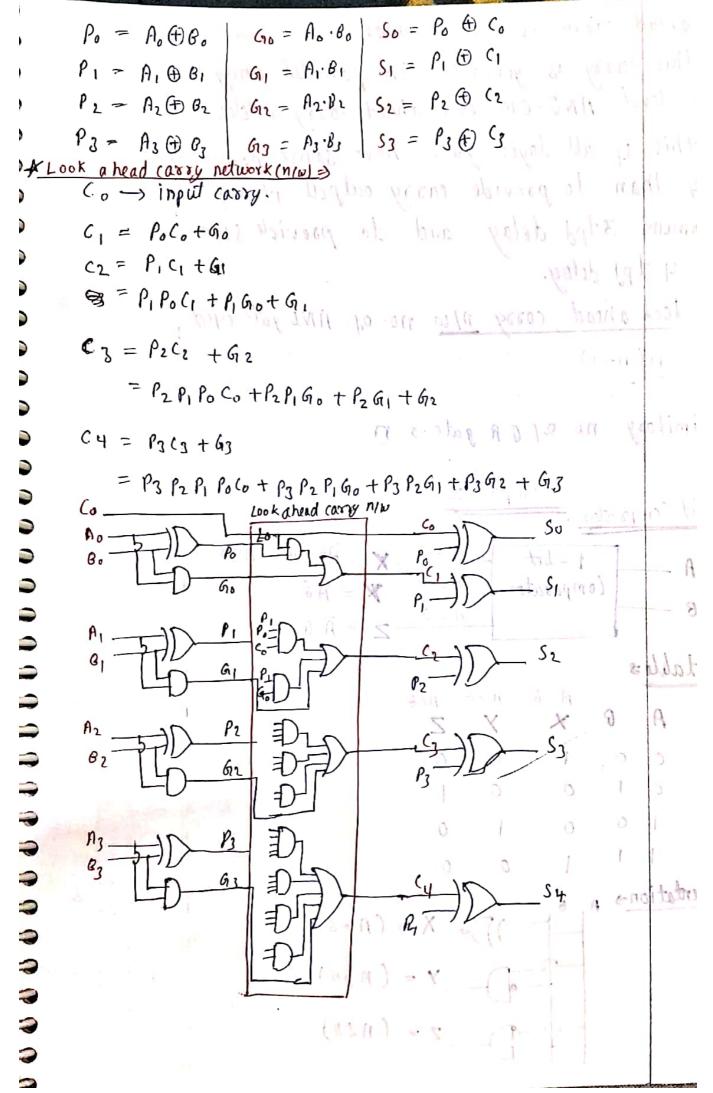
5		22-044	A Lin A	Γ. Δ	23							
9	HA	NAND 5	NDR	10000	<i>u</i>							
	HS		5	OSUM - [ Zm(1,2,4,7)								
3		5	S	1\-								
	FA	9	9	@ Carry - AB+AC+BC								
	FS	9	9	AB+(ABB)C								
			9	Em (3,5,6,7)								
3	,	5		3 No. of HAS DR -> (2,1)								
•				(1) NAND → 9								
<b>&gt;</b>				S NOR → g								
•	Full Substractor											
3		;	_									
•	v —	1.		_ Difference								
	в — с —	FS	140	Borrow .								
	the state of the s											
	ABB C Diff BORDOW											
	1	(0	-8)-6									
	0 9	20	0	0								
5	0		1	1 150 2 115 and 1 CR get	•							
	(50	10	1		: 2							
	1	0 0	0	0								
		0 1	0 1	10-124								
	1	10	0	0								
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3	2:	1011										
3	Ditters	nce = A(	BBGC									
			(1,2,4,	the state of the s								
-	Borro	u = 2 r	n ( 1, 2, 3	(7)   BODOW = ABC+ABC+ABC+	ABC							
3		= A6	CTABZ	+ ABC + ABC	J							
3				= AB + (A & + AB)C								
		- Ā	0 + A C	+BC-C) [ = AB+ (MB) C								
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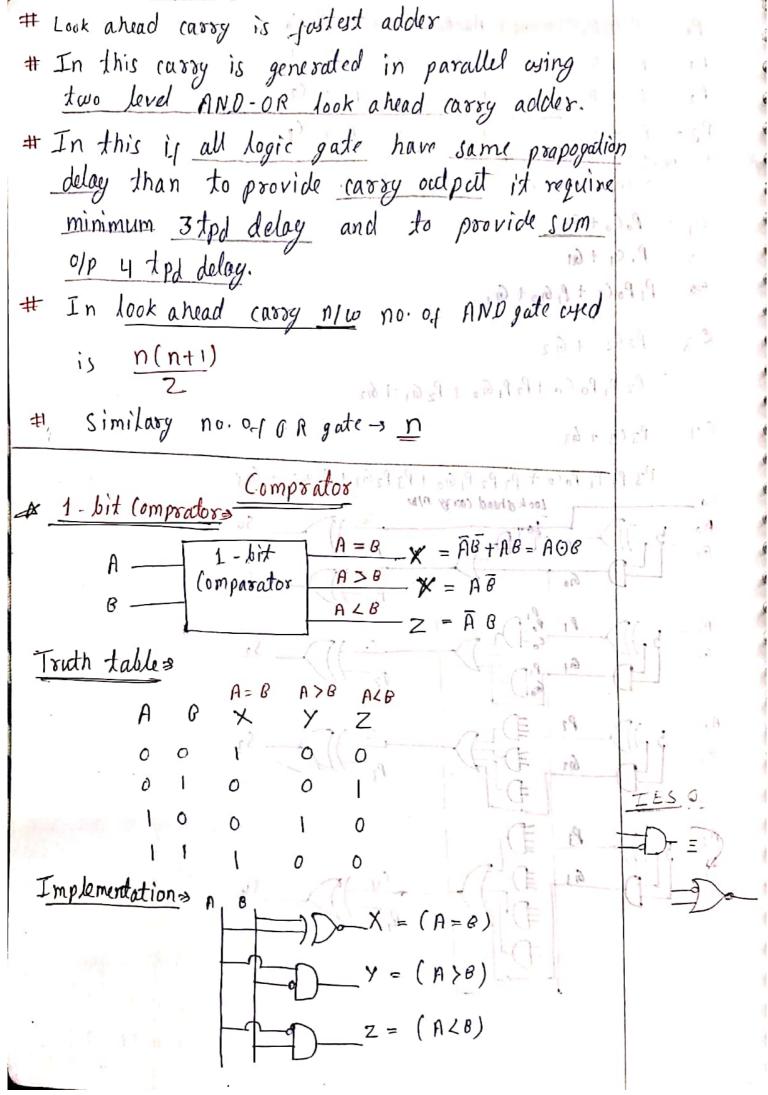
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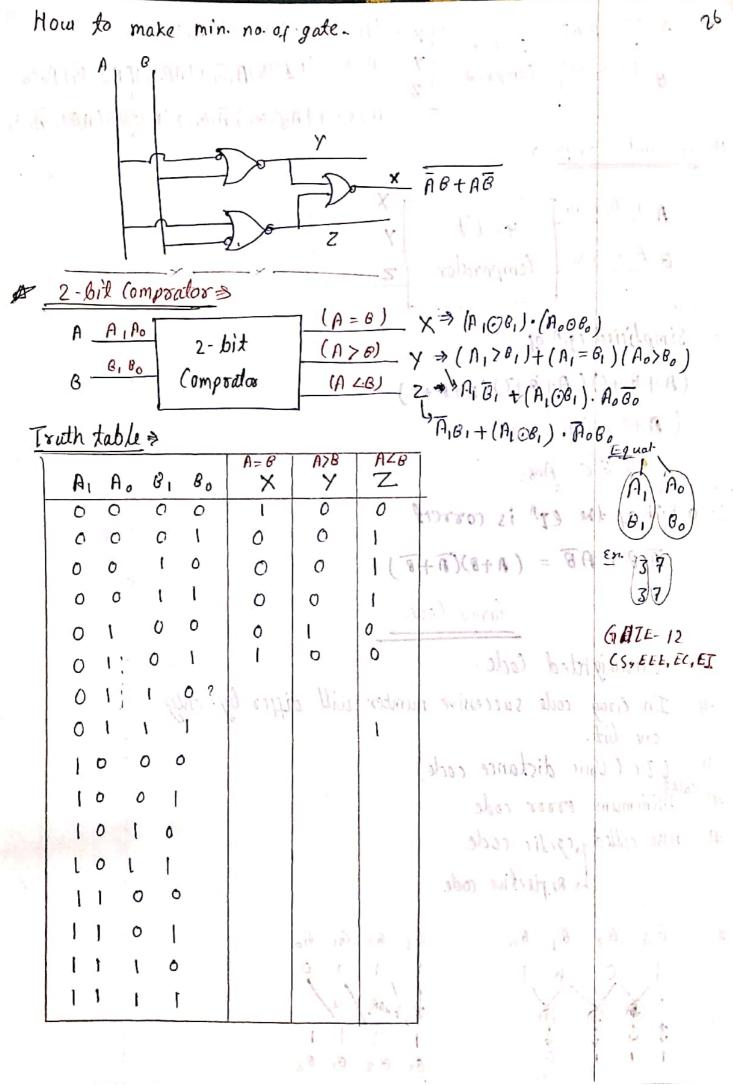


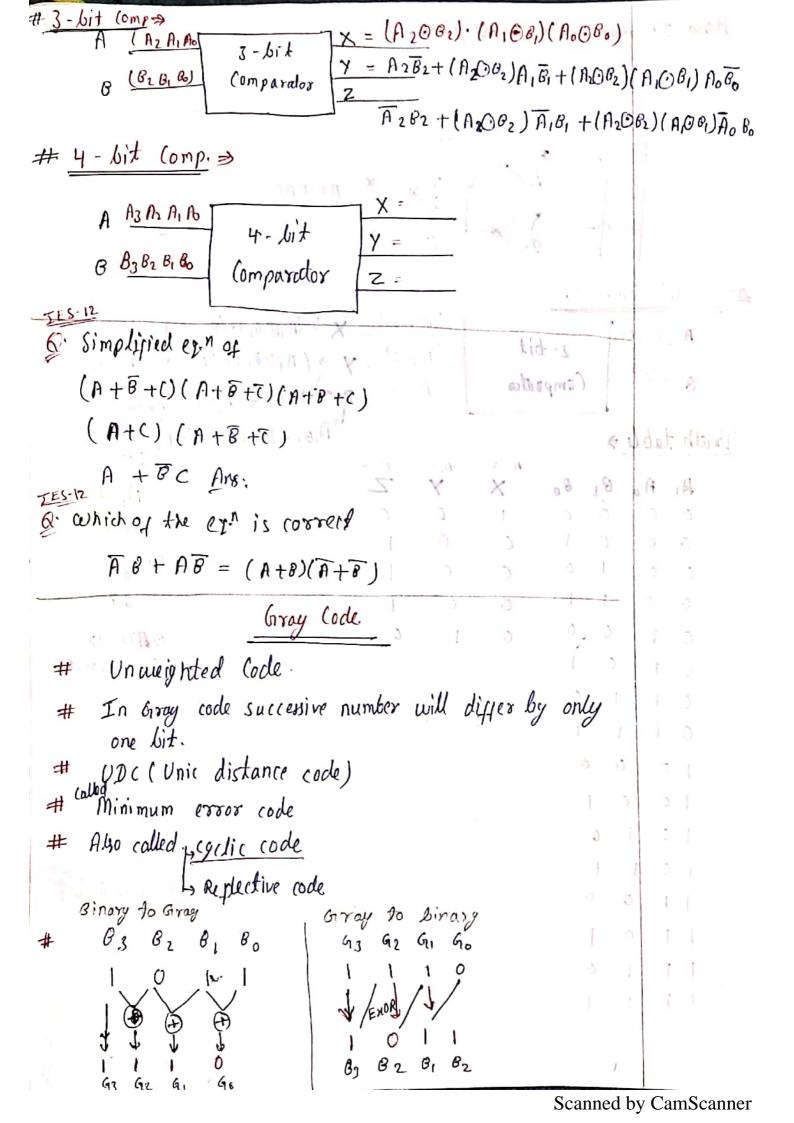


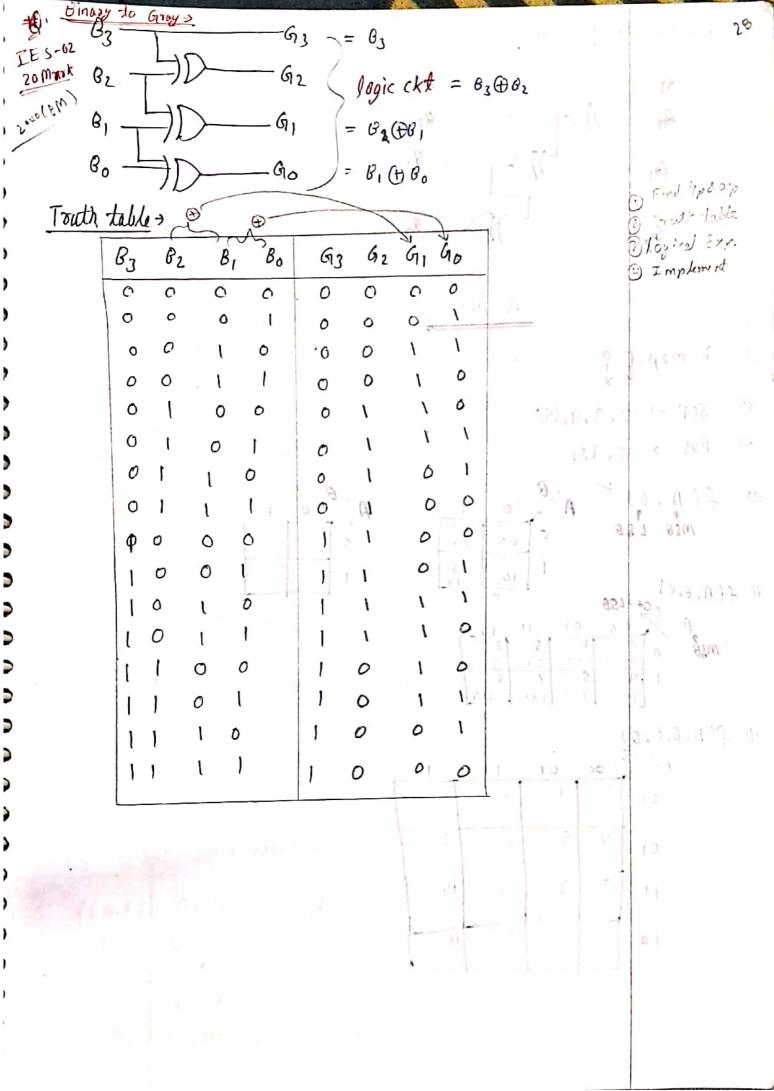
In parallel adder each full-adder will provide 2 tpd delay and by carry. 800 # In n-pit parallel adder to provide final result, it require [2 ntpd/delay In parallel adder carry prapagation delay will be present from ilp to ofp hence it parallel adoler is also known as ripple carry adder. 4-bit Look ahead carry adder A3 A2 A1 A0 BZ B2 B1 B0 7 HD & 3 68 gales. person let adobe to adobe cert bit sepso odder es Heef adous ans which. is hid sum sylving it sint ) FI and on HA Pici Gi - carry generating term ( I more diately) who he Pi -> carry prapagation term (more time) Pi = Ai (+) Bi Si = Piffci () +1 = P)(1+6)

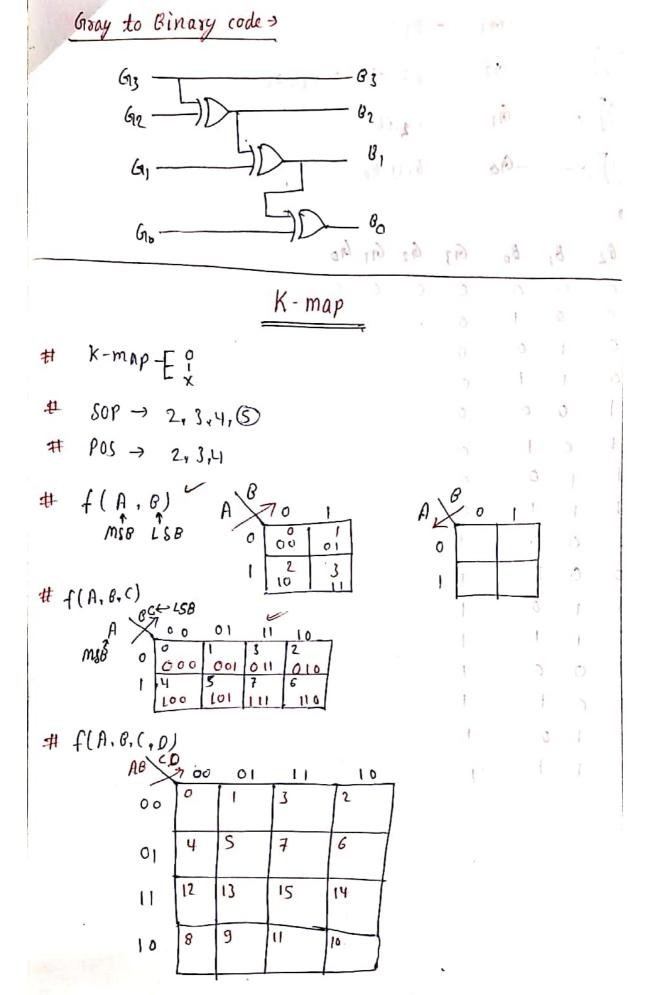


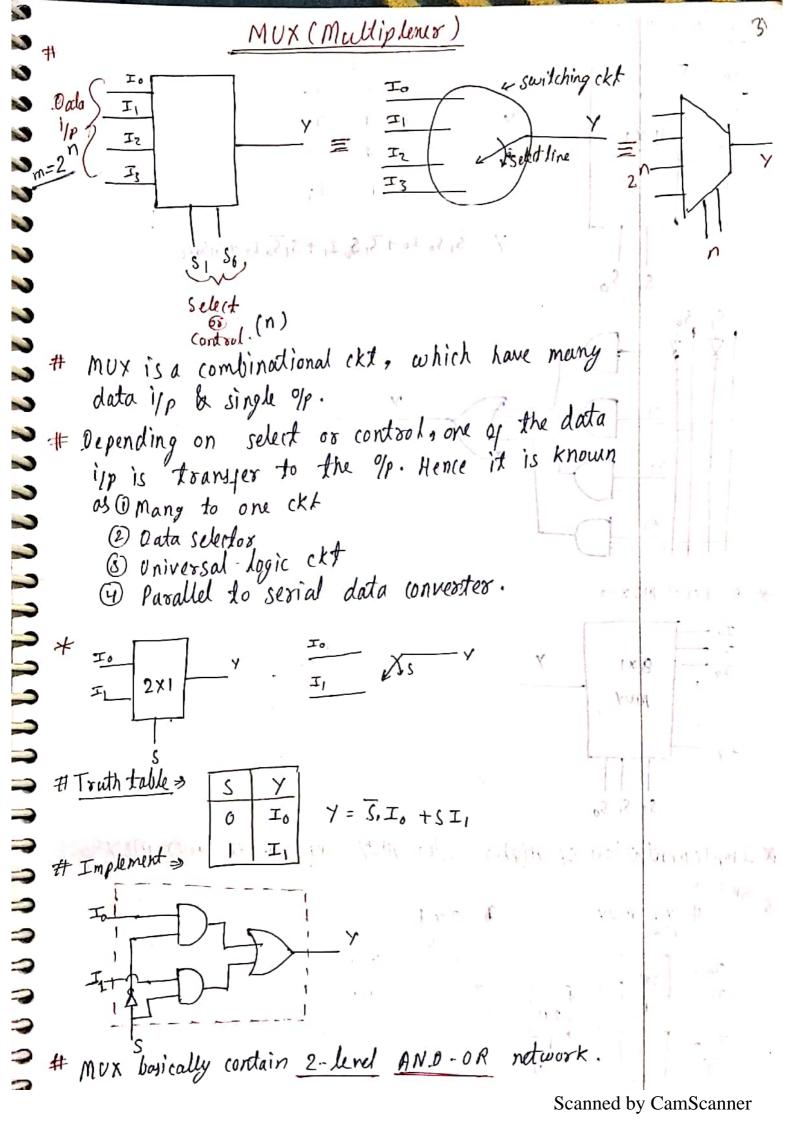


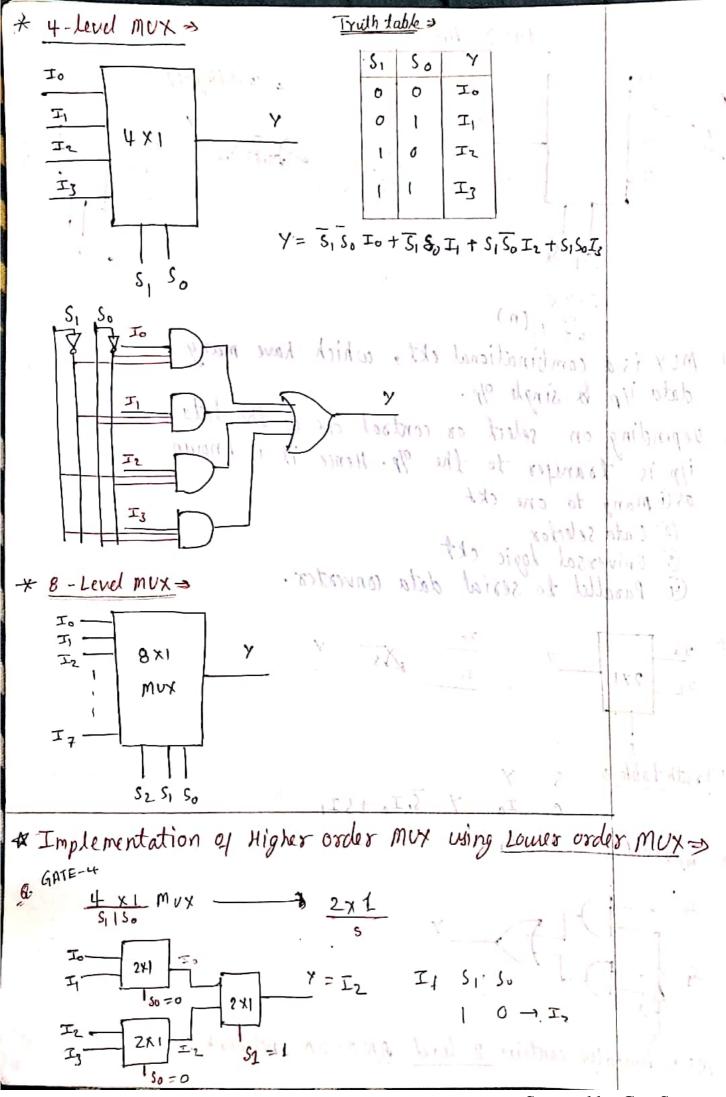


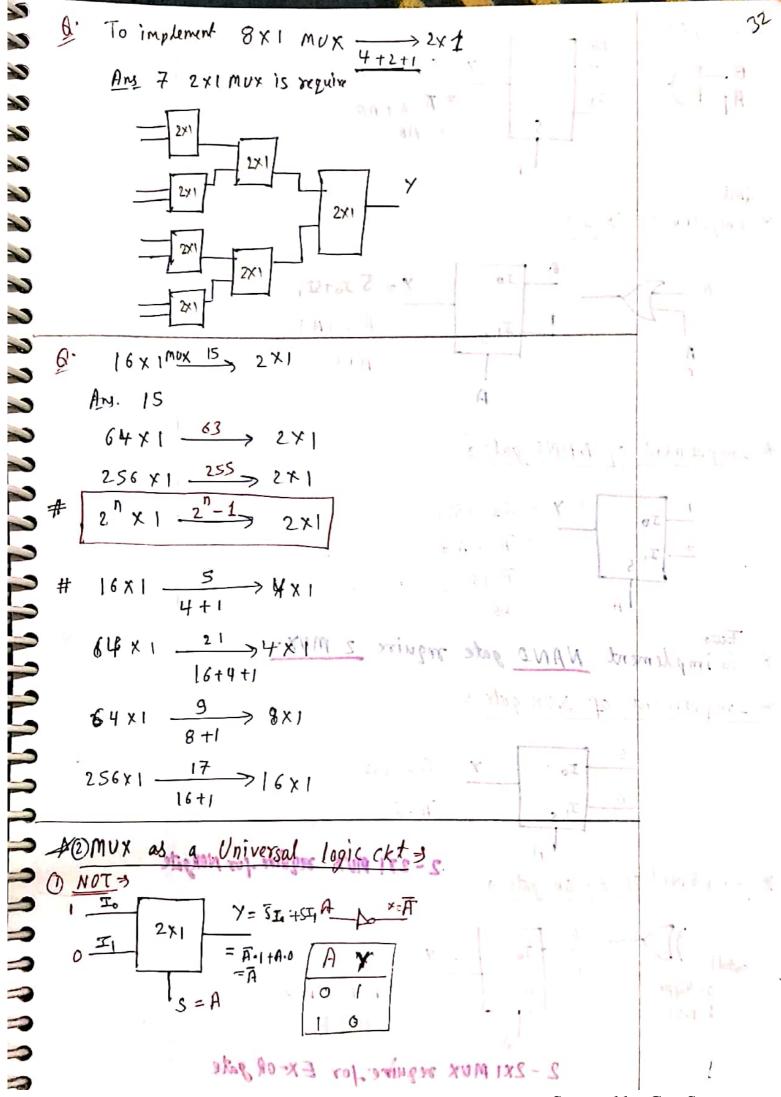




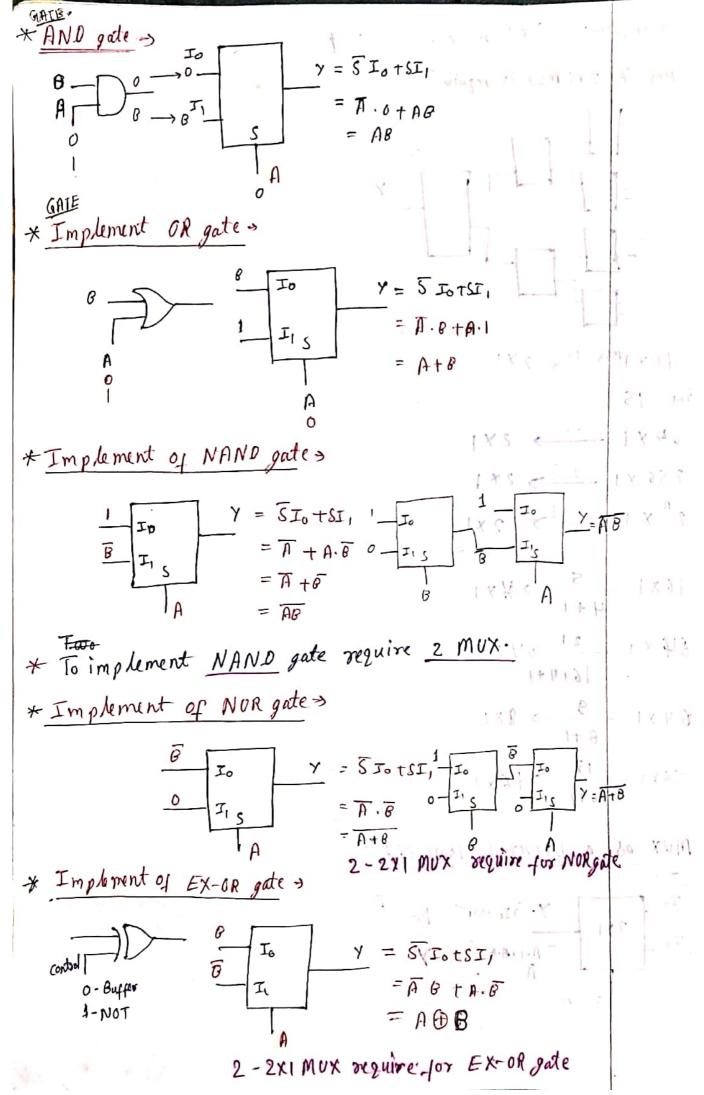


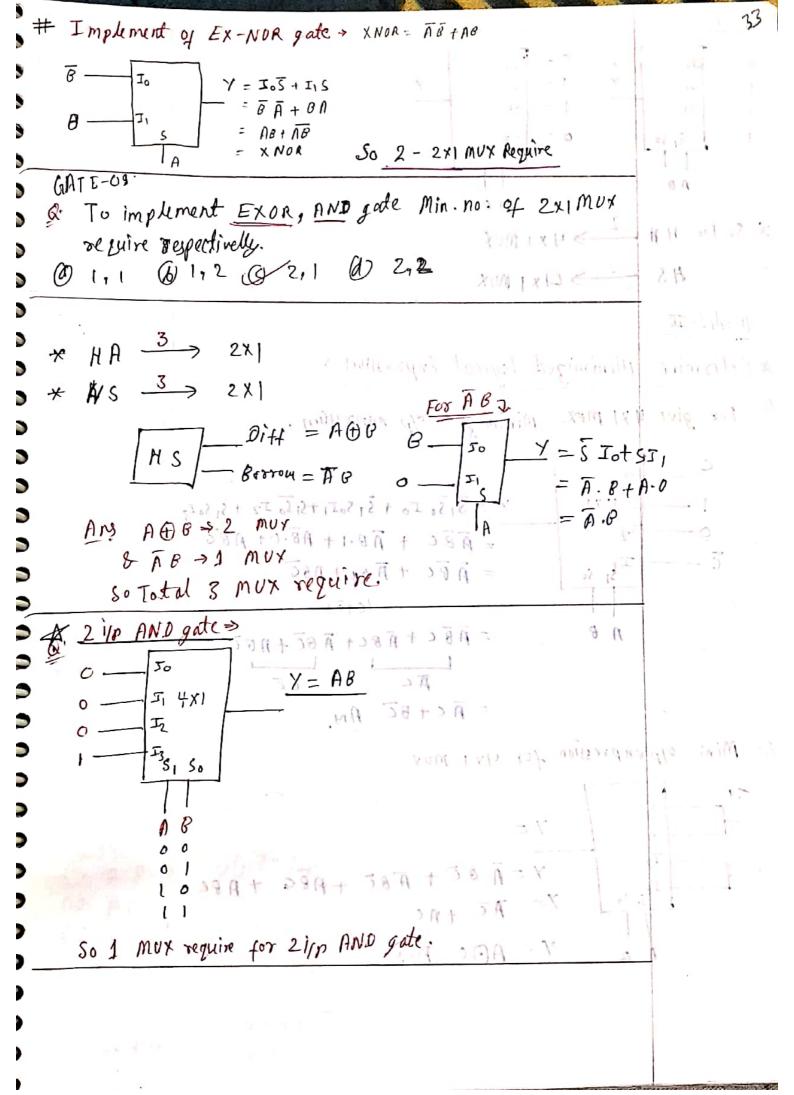


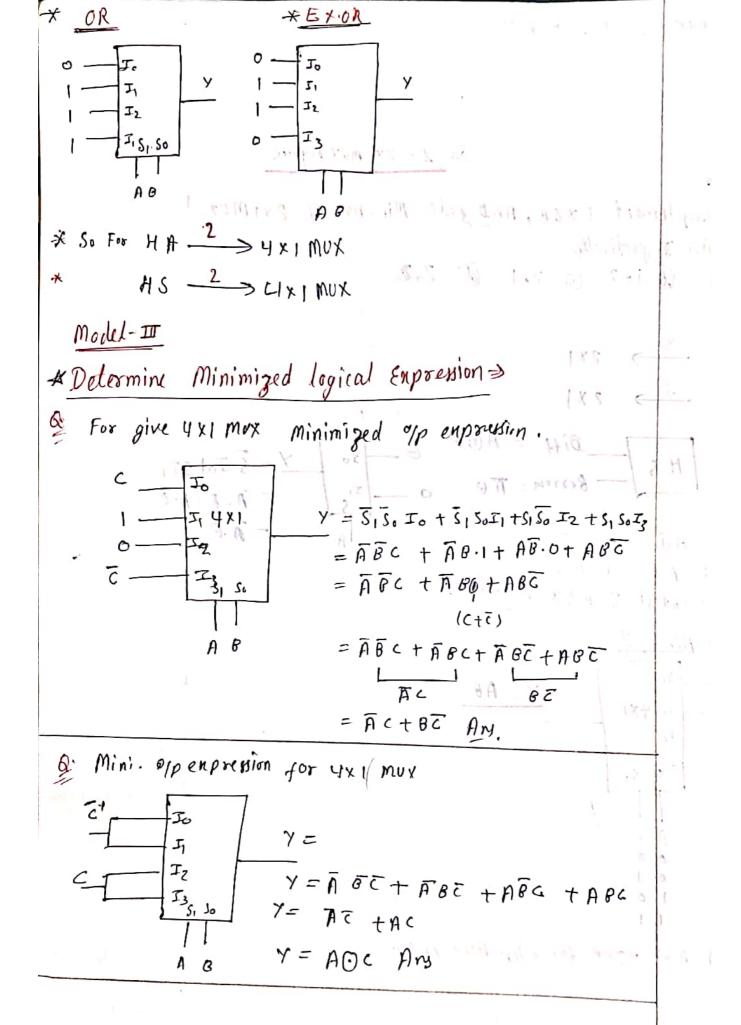


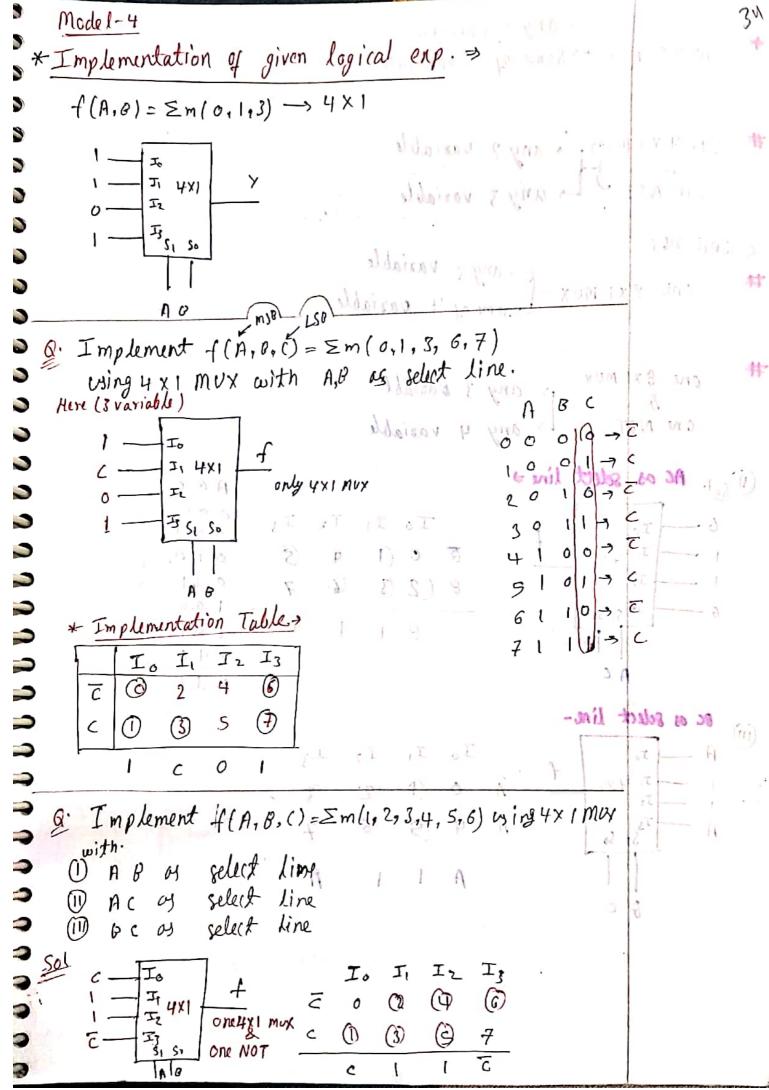


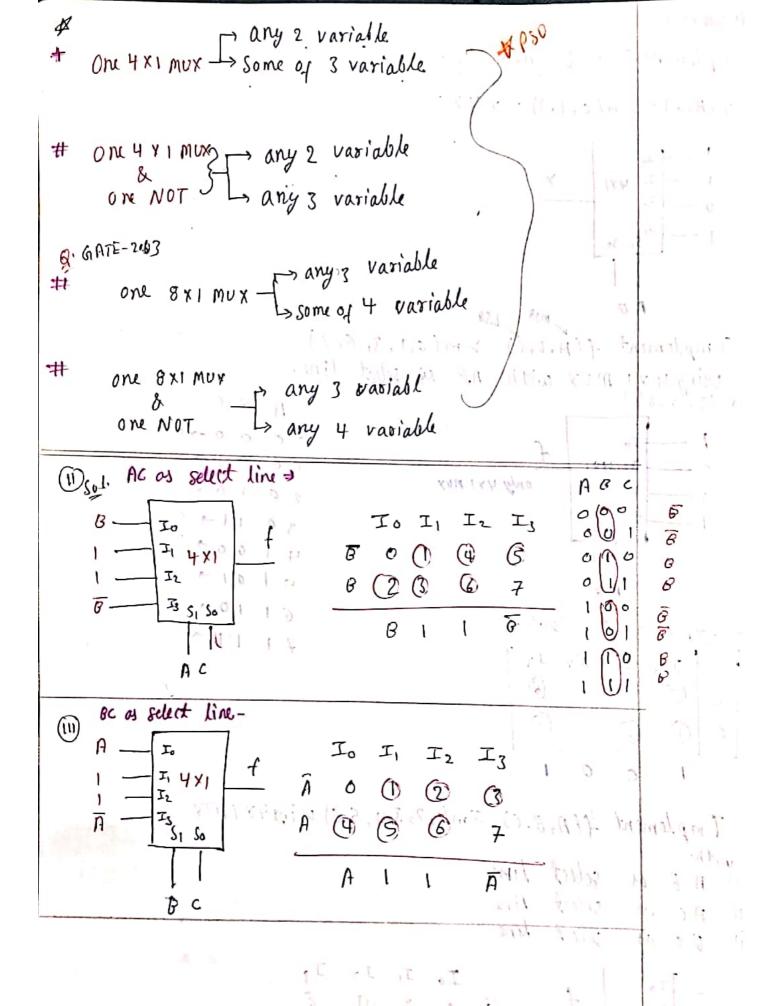
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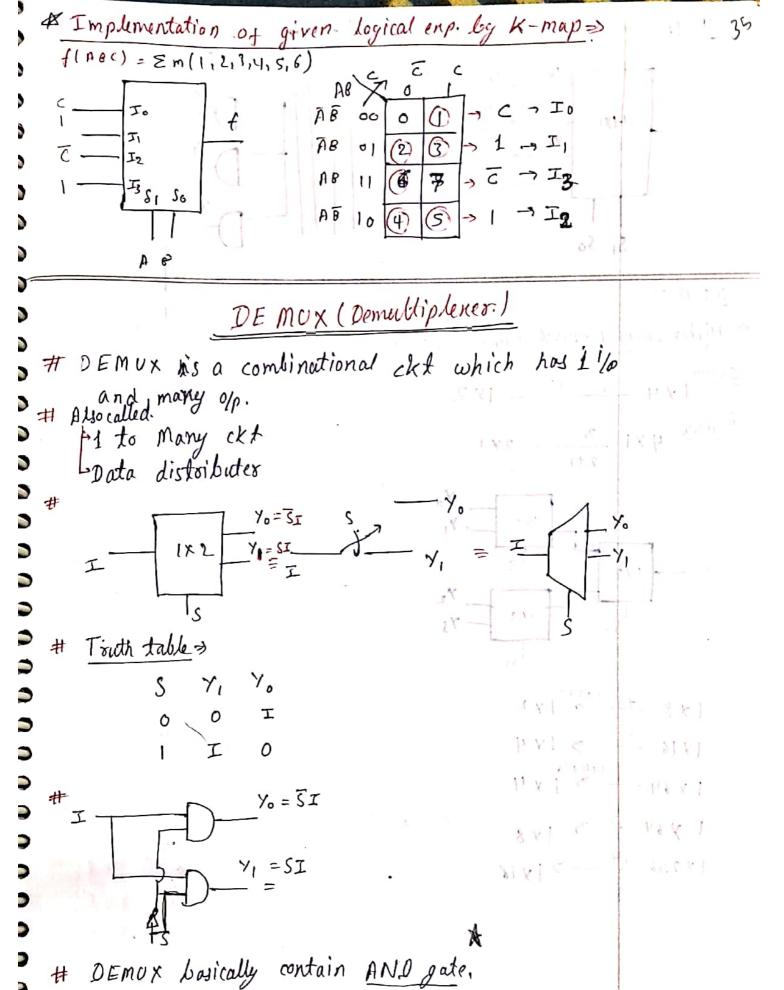


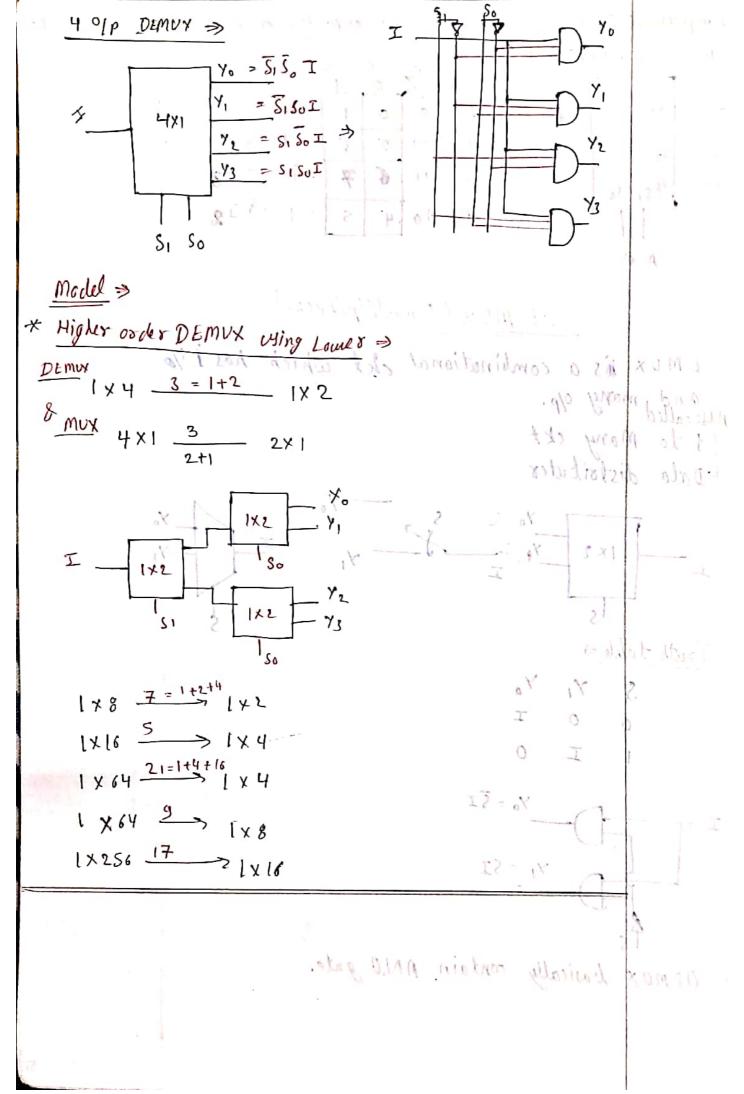


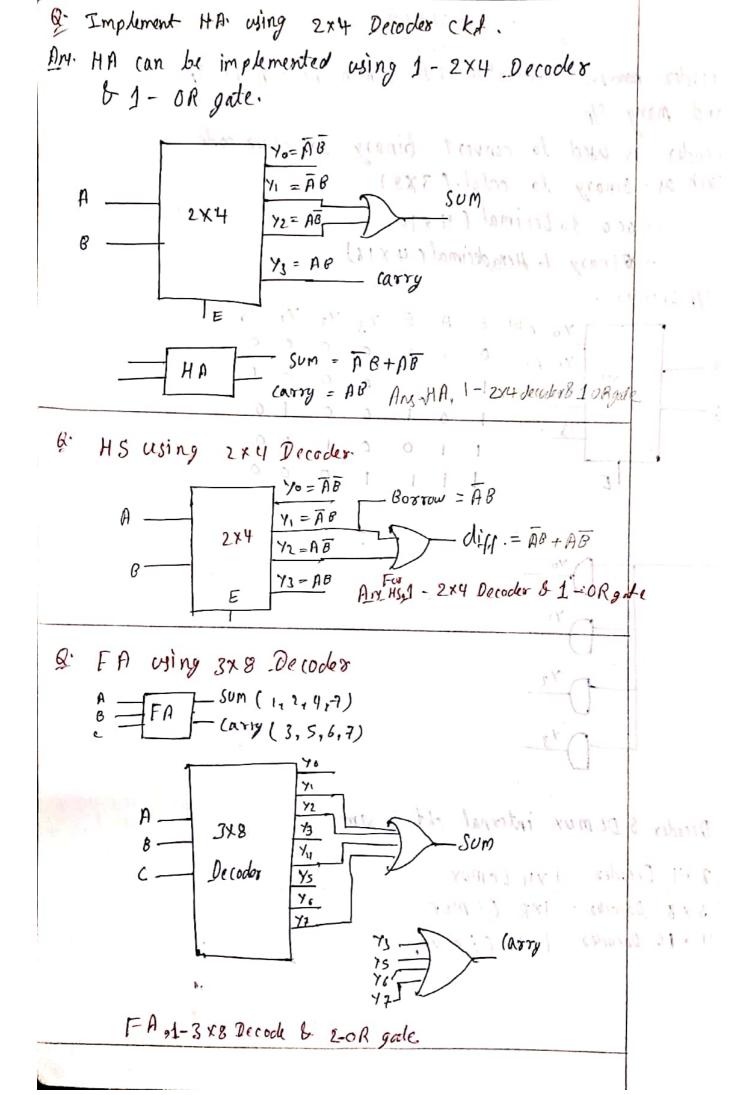


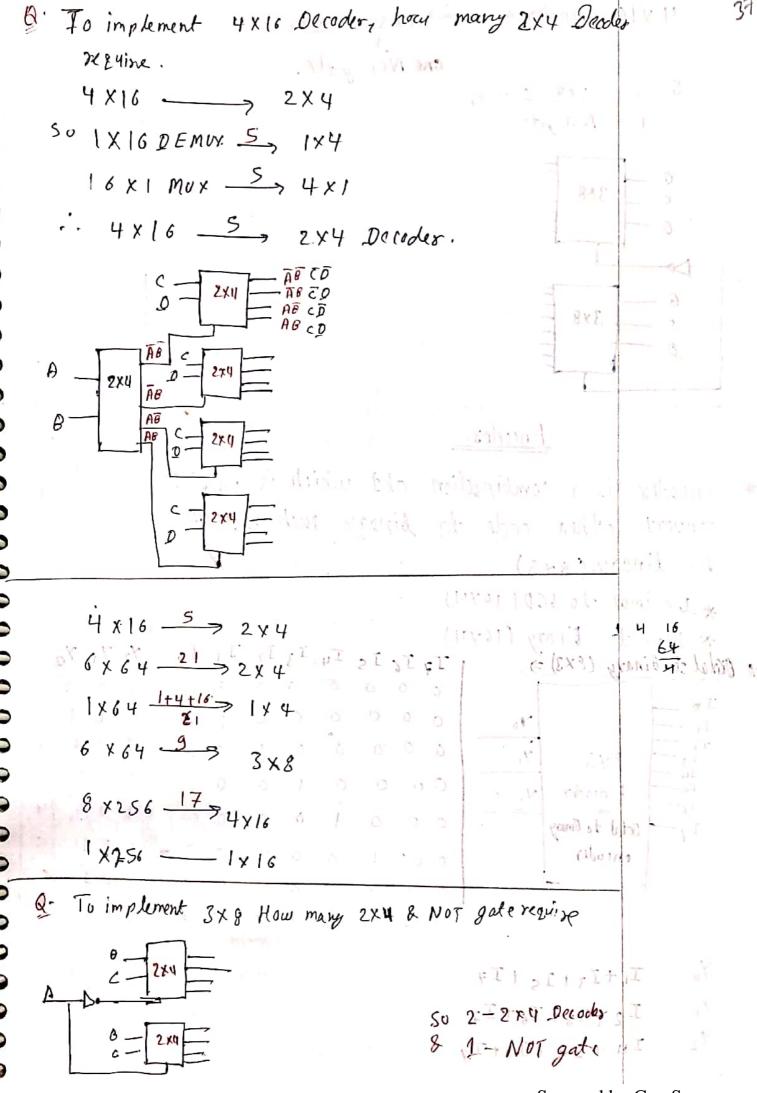


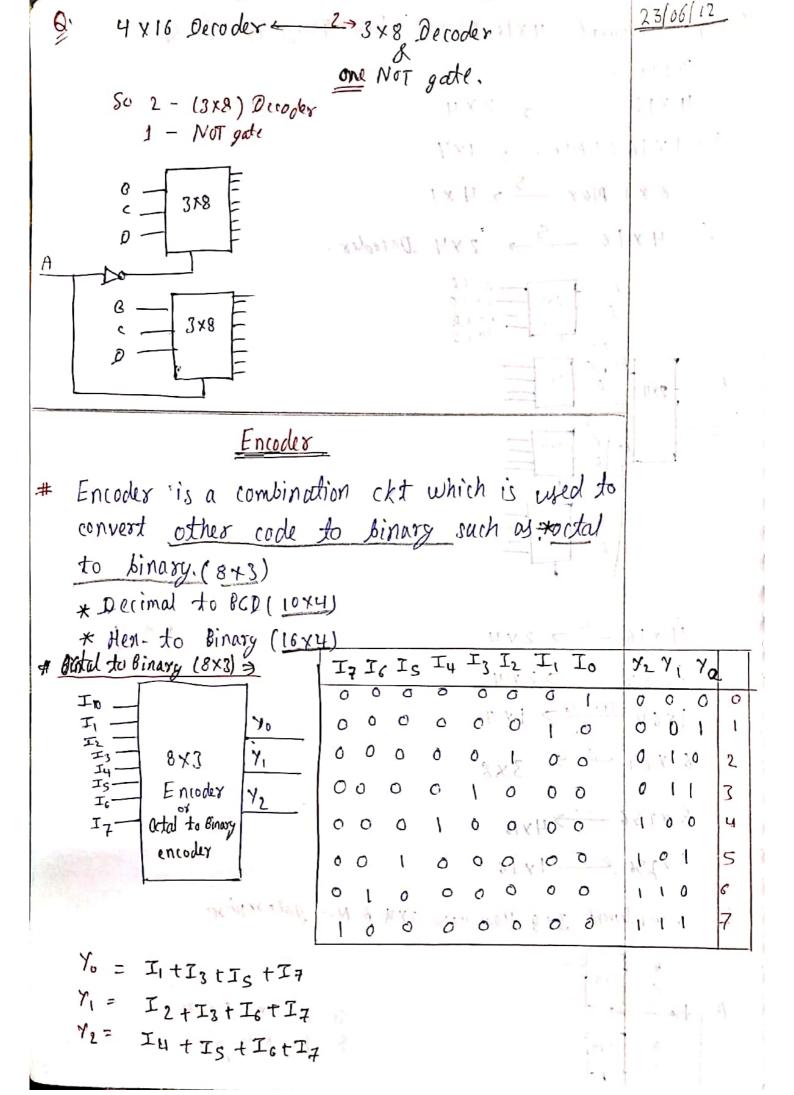


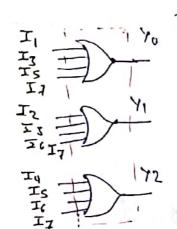












MWX > AND -OR Decoder / DEMUX - AND Encoder -> OR

Note >> In priority Encoder Any no of ilp can be logic-1 but binary of is available corresponding so highest priority no.

Parity Granator=>									
even odo	ł		even	odd					
\ A	ß	$c \setminus$	7 /	<b>V</b>					
	0	0	0	-	١				
0 0	0	. \		, NS	١				
1 10	0	1	1	0	١				
2/0	١	٥	1	0	l				
3 0	1	1	0	١					
4/1	0	0	1	0					
5 1	0	1	0	١					
6 1	į	O	0	1					
7/1	1	İ	1	0					

Even parity = i/p bit + op(Parity bit) = should be over Old parity = i/p bit + op(Paritily bit) = should be odd Include:

ten li Inderview A.

alch elms BANE gale

For Even Partly Grenerator >

Y= Zm( 1, 12, 4,7)

BC	ov	01	11	10
10	4	0		0
4	0)	1	0	4

= A.Bc+ABc+ABc+ABc

= c(AB+AB) + E(AB+AB)

= c (A @ B) + T (A @ B)

= c (A ( B) + C (A ( B)

~ A⊕8⊕€

2 - NO BEAC