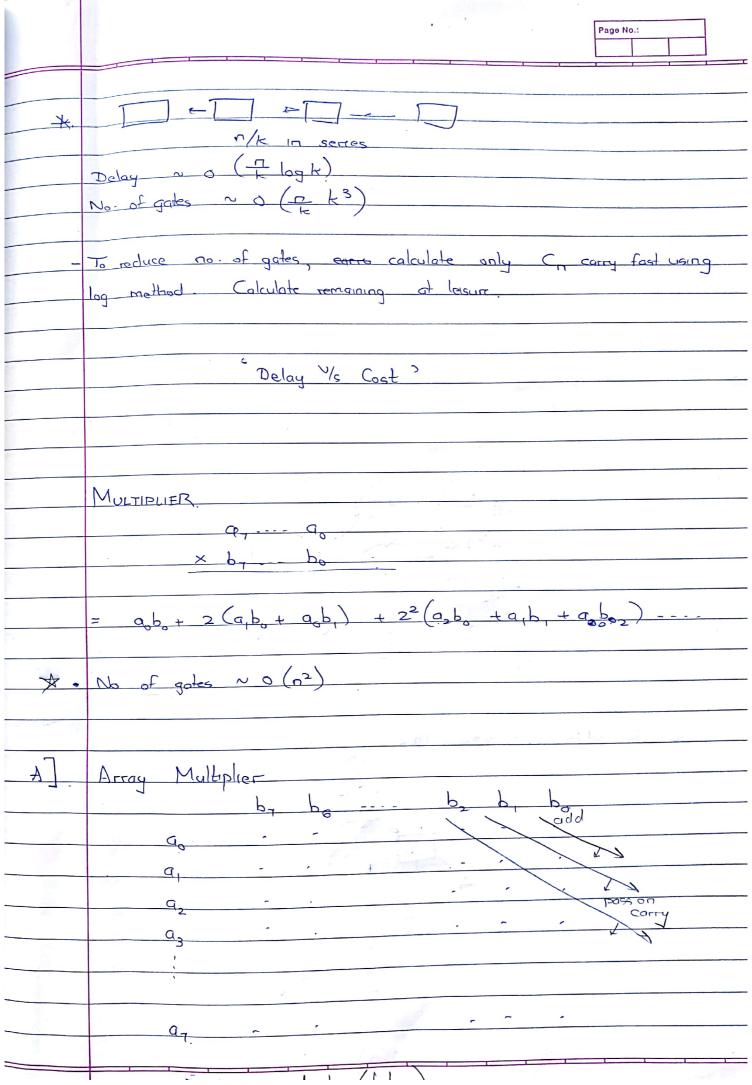
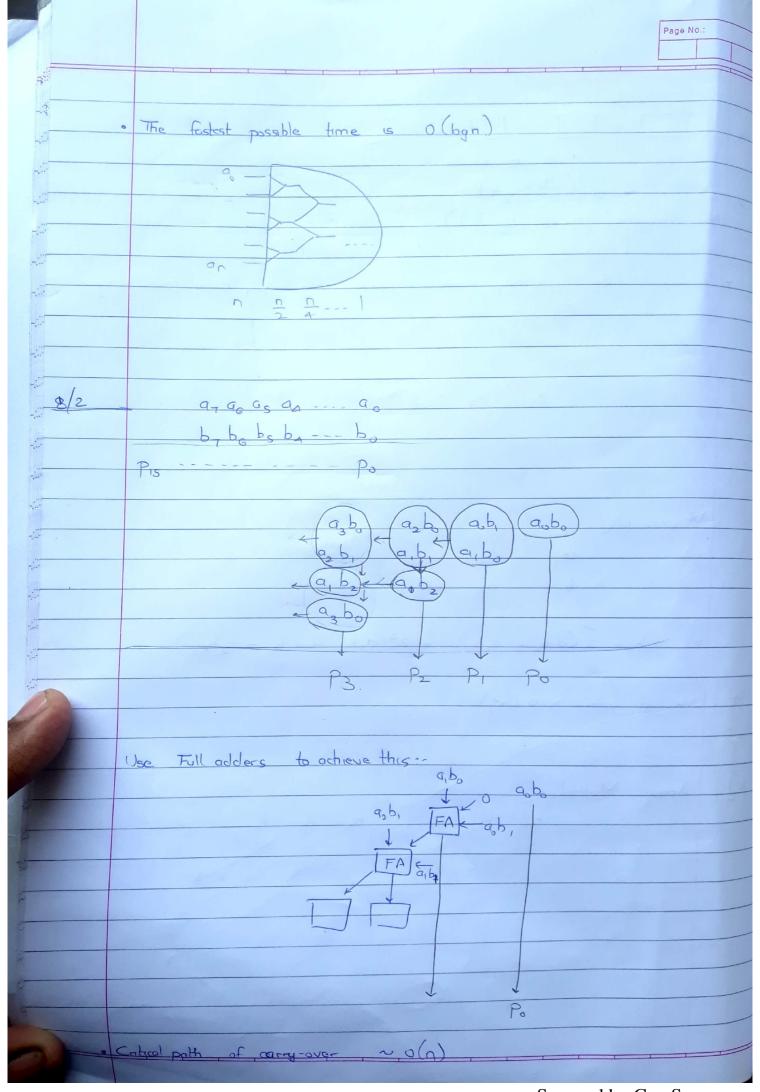
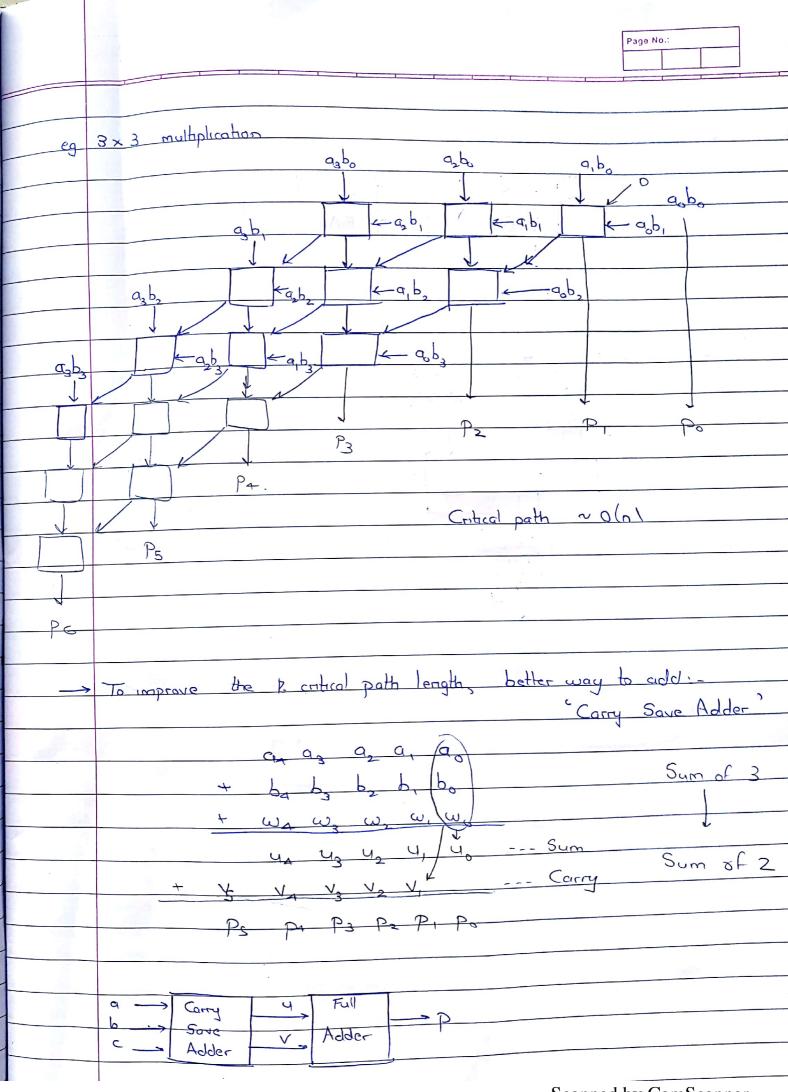


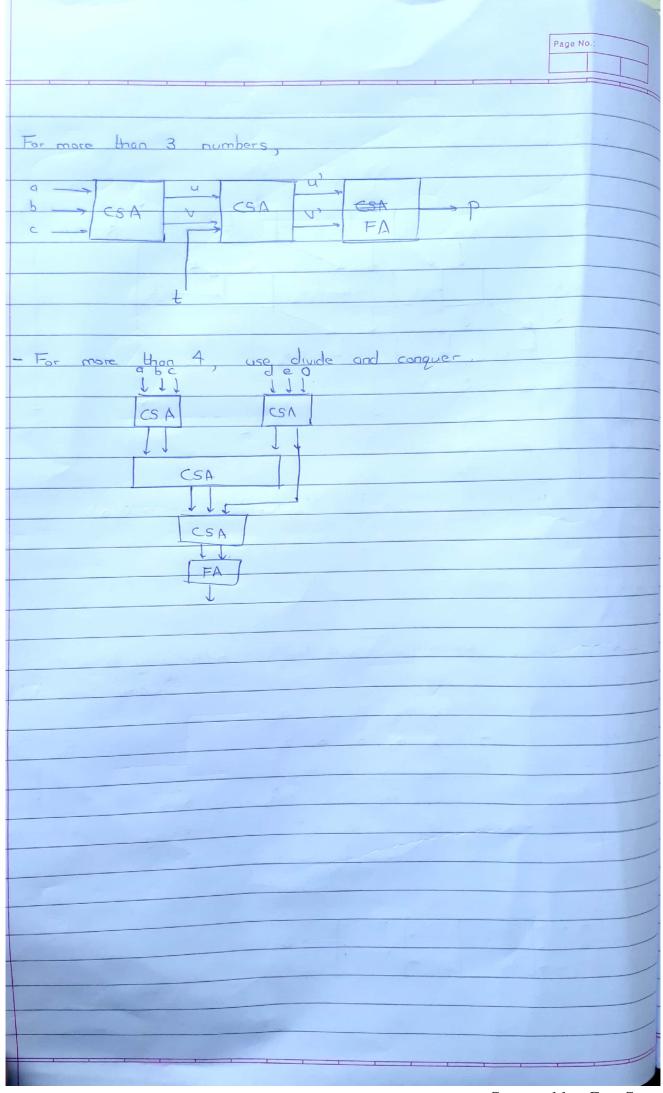
	Page No.:
	FASTER ADDER

	$C_0 = (a \oplus b) C_1 + ab$
	$S = (q \oplus b) \oplus C$
:	
	Write $C_0 = pC_1 + g$ where $p = a \oplus b = paper$ $S = p \oplus C_1$ $g = a \oplus b = qenerat$
	$S = P \oplus C$, $g = 0 \cdot b = general$
6/2	p = a Db con be calculated in parallel for all 8-bits
•	To make antical path (carry overs) faster,
	C1 = Po Co + 90
	$C_2 = P_1 P_0 C_0 + P_1 G_0 + G_1$
	G = P2P1P0C0 + P2P190 + P291 + 92
	Co was propagated Carry was 'generated'
	(F P2 = P1 = P0 = 1
	$C_{n} = \left(P_{n-1}P_{n-2} - P_{0}\right)C_{0} + \left[q_{n-1} + P_{n-1}q_{n-2} + P_{n-1}P_{n-2}q_{n-3}\right]$
	O (log n) sum of n berms product of n literals
	product of transactions
	C-
0	Divide and conquer gives + delay, requires 1 no of gates.
	Dolay ~ O (log n)
A	
	No of gates ~ o (n3)

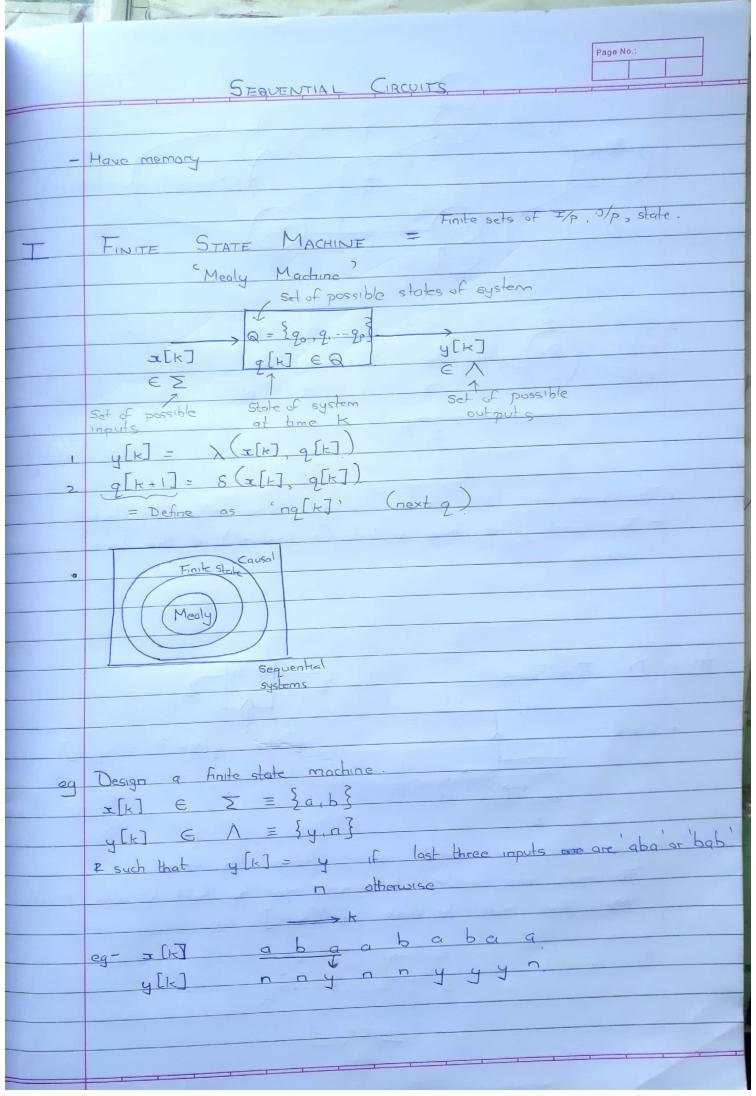


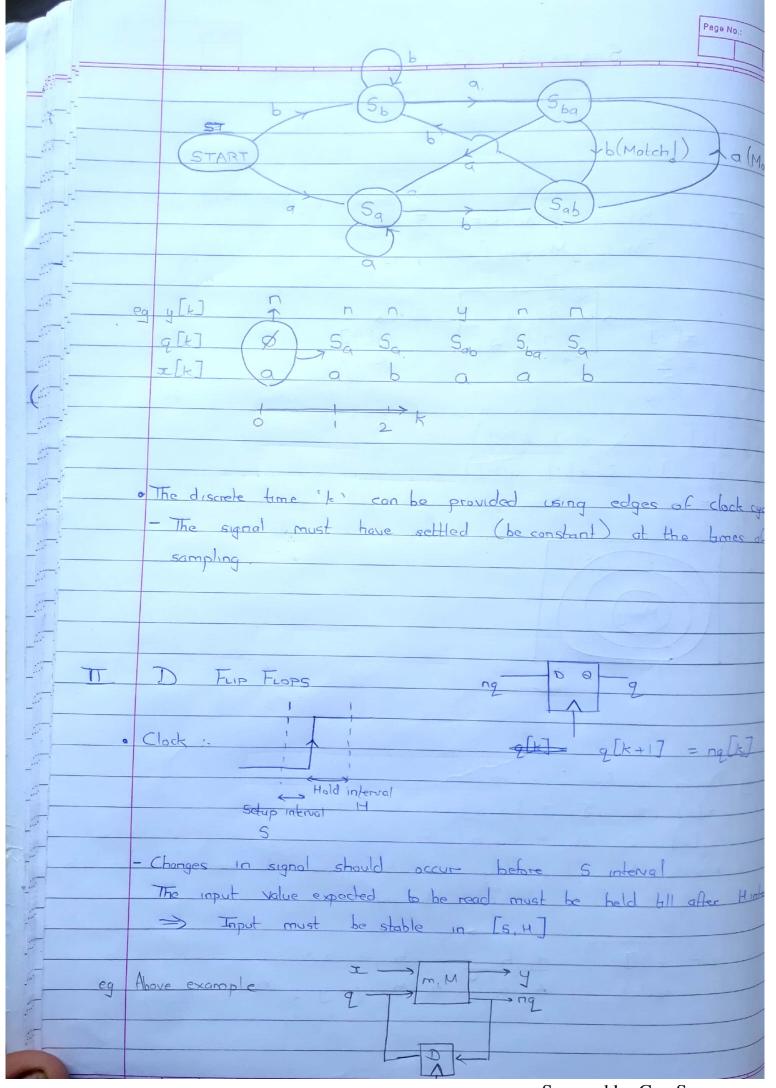




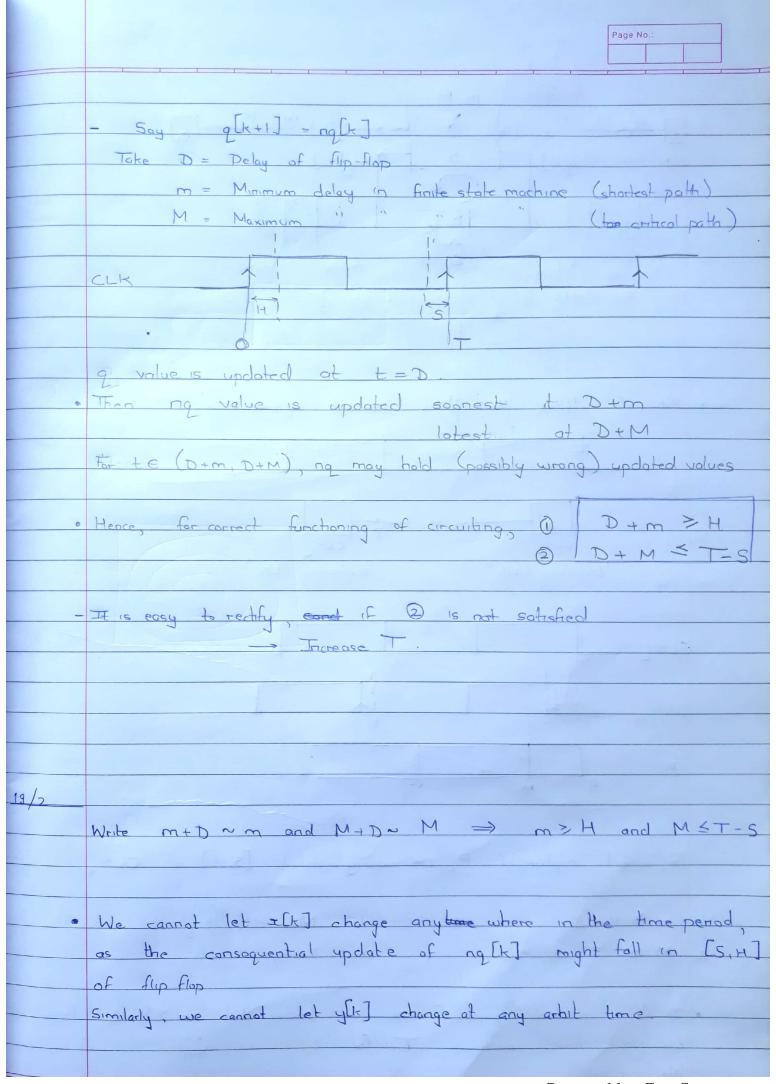


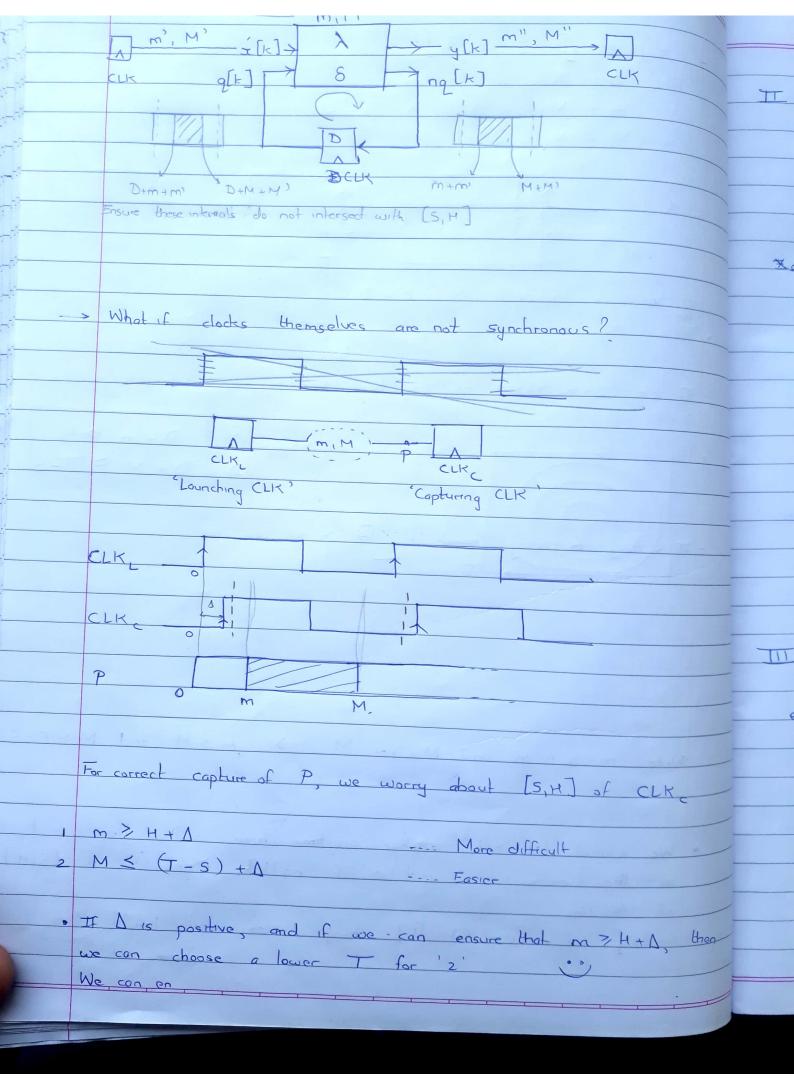
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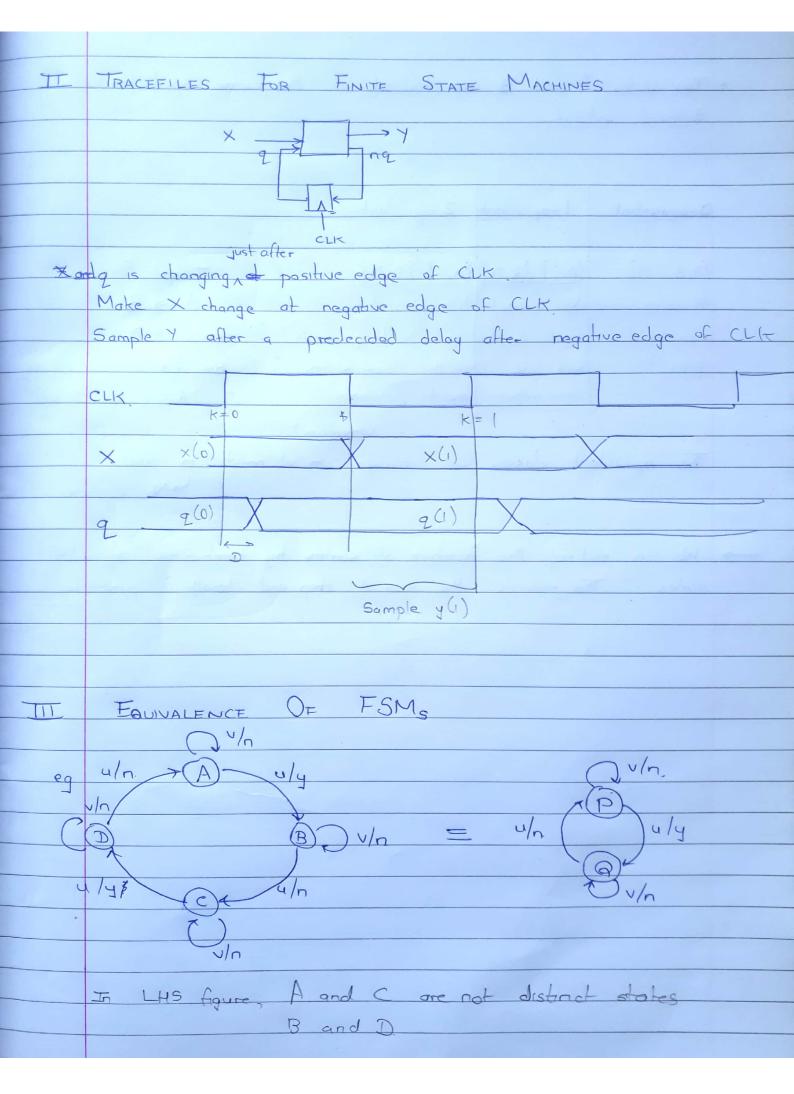




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		. Two states A and B are distinct if the same input produces
		different output.
		0-equivalent 1-equivalent 2-equivalent
		{A,B,C,D} {A,C} {B,D} {A,C} {B,D} Tract To 54
		All are equivalent After giving After giving new A > B
		ochere input is input to 1-equivalents, and C > D
+ -		green both give their next states But {B,D} are larger same surport are 1-equivalent = {A,C} are }
_::	,	Converger!
	ţ	The equivalent classes will converge in at most in steps
		No. of stoles
	->	We can reduce the number of states by combining equivalent
	r	states. This reduces the size of thip and length of program
) anglit di prograti
75-		INDEED OF THE PARTY OF THE PART
2		
		A COMPANY OF THE PROPERTY OF T
1		