Anynchronous Seq. Cht (chap 9) > do not have clk pulse

and not use fIF

> ilp to me cht must change ore at a time

-> Here must be reflicent time bloom the change in its regnals to allow the out to reach a stable state (when all internal

rigids stop changing)

-) Feedback loop =) rog y Q. > change in either S or R ip ne value of Q with ilp re vull change often a nout
proprogation time mough ne

by []

NOR gats.

NOR gats.

The combined 'propogation' delay is rep above by []

The combined 'propogation' delay is rep above by []

The combined 'propogation' delay is rep above by []

The combined 'propogation' delay is rep above by []

Q > present state; y: present state variable Y:- Nont state

→ After A delay y takes he value of Y.

=) State Assignment table Present SR = 00 01 10 11

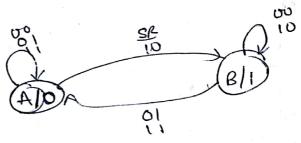
Y Y Y Y 6 6 6 (o (o o

when y = Y he state to cht does not chare

-> cht is ntable.

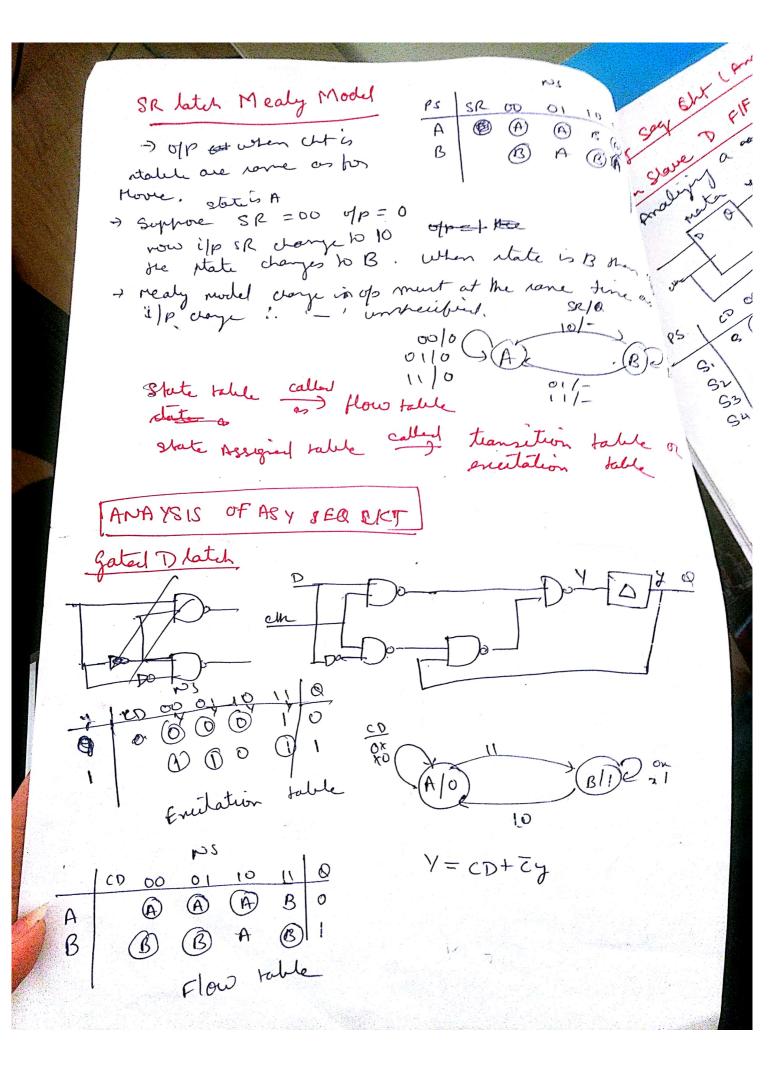
state A when y=0

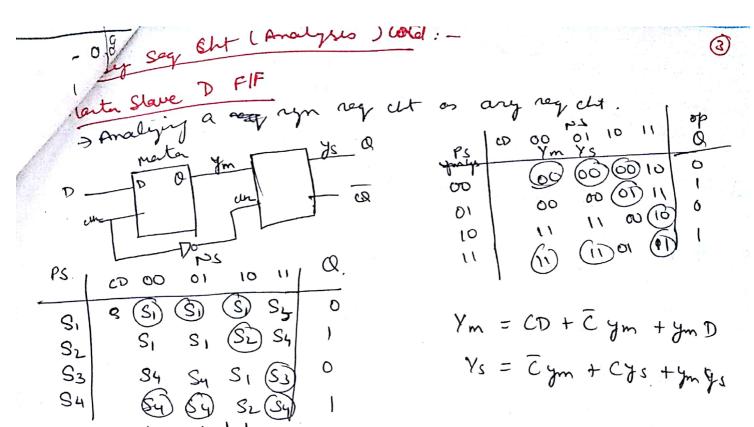
=) State table ofp depends only on he menent state => Moore type



Y= R(S+y)

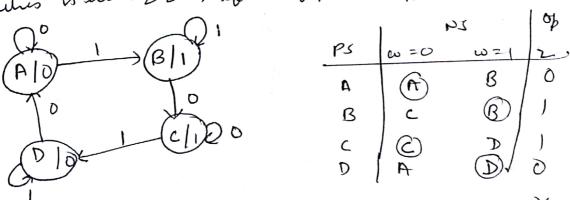
-> In up say cut Y is naved in a Flf





Synthesis of Asy cht

Derign a cut that has an icip we han ofp z, o.t. when pulse is applied to we had 2 = 1 if no of previously officed pulses is usen & z = 1 if no of pulses officed are of odd.



	1	. (, x	20	
	w=0 (w=1	12			PS	w=0	w=1	2
4271		12 YI		14.			00	01	0
00	$(o\circ)$	0	0	another		00	11	0]	j ^
01	10	(61)	1 32 %	Take	+ -	01	1 11	10	ĺ
10	(13)	11		, arsher		1 1	00	10	0
Į O	00	(11)	10			10		1	
		=11 to	7-71=0	O			_		4.3
Prob	4-71	الما للم	a at a	tue					

6) it ye days first yey; = 01 &w=0 rs = 10

pequil both yefy; became winderwords

which not possible a) it y change bount yey = 10 kw=0 NS 10 du of 7 pere constition.

I can be eliminated by allong only one vou to chap at

a time A B & D con be 60, 01, 11, 10 perp. But as we assumed ye drops hebre y, him 2-71, 4 - wys + wys + y172, 70 = wys + wys + 44 D to A xention occurs westly top by charge find

