CS & IT



ENGINEERING



Sequential Circuit

Lecture No. 5



By- CHANDAN SIR



TOPICS TO BE COVERED 01 Registers

02 PRACTICE

03 DISCUSSION



C	J	gnti
0	0	Qn
0	1	9n
1	0	0
1	1	1

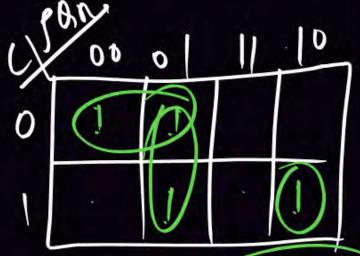
input of avaliable FF (input of desired FF)

& previous

State

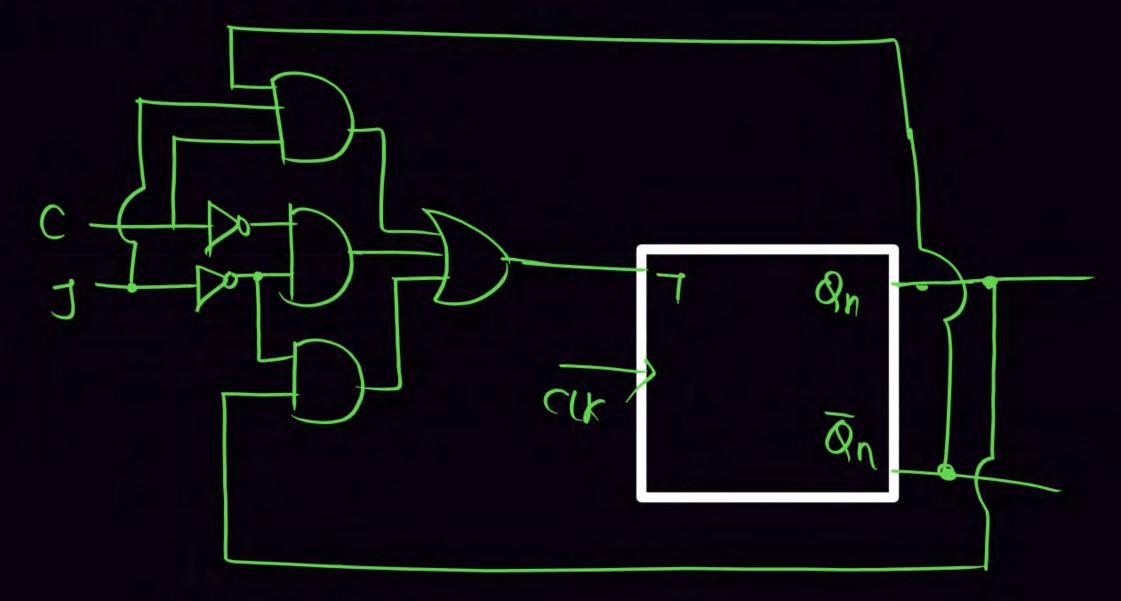
•							
	()	J	Q _r	Qnti	Y		
	0	0	0	1	J		
	0	0	1	0	1		
		1	0	0	0		
	0	1	1	3	0		
ĺ	1	0	0	0	0		
	t	0	1	0)		
			0	1	.)		
		1	1-	1	0		

$$7((7,9n)=zm(0,1,5,6)$$



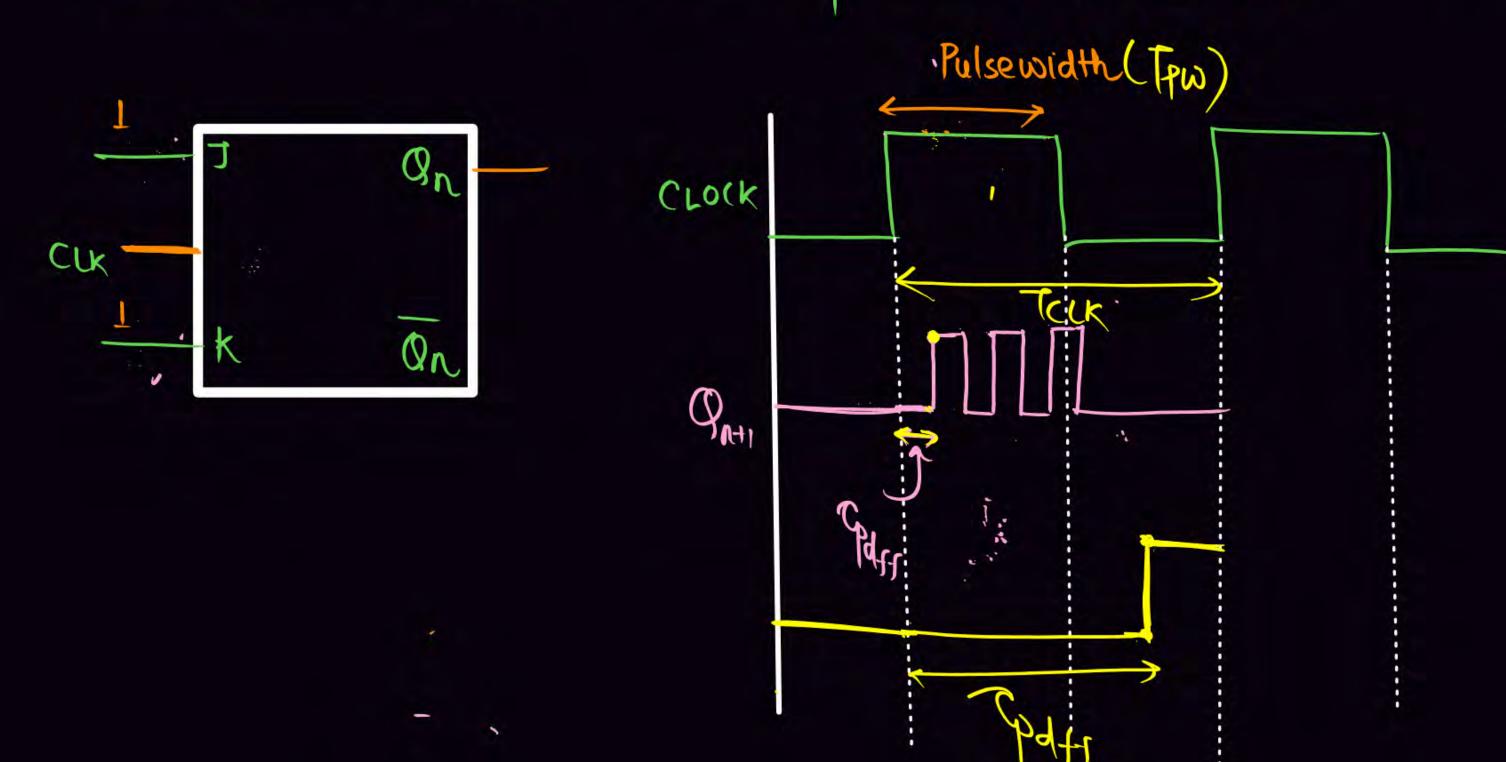


T= cJf cJan+ Jan





JK Flip-Flop suffers from the problem of Race around.

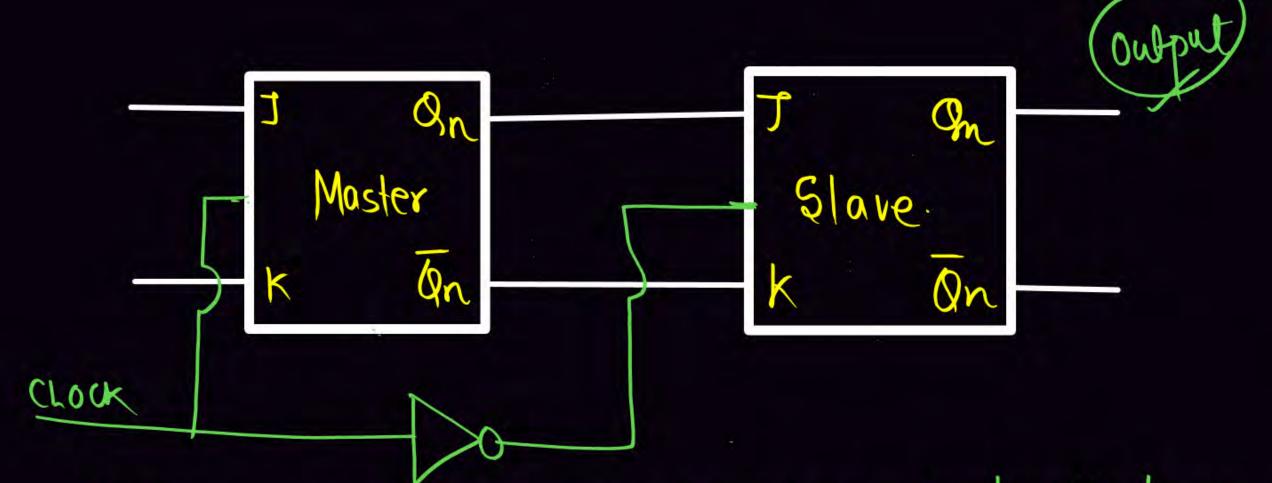




To avoide Race around problem

- 1) Ibm < Chatt < LCIK
- 2) Master-Slave FF





1) Maister slave FF is use to store single bit because of is

taken from slave.

(3) Master is level triggered Whereas slave is the edge triggered (1) Sems that by operation)



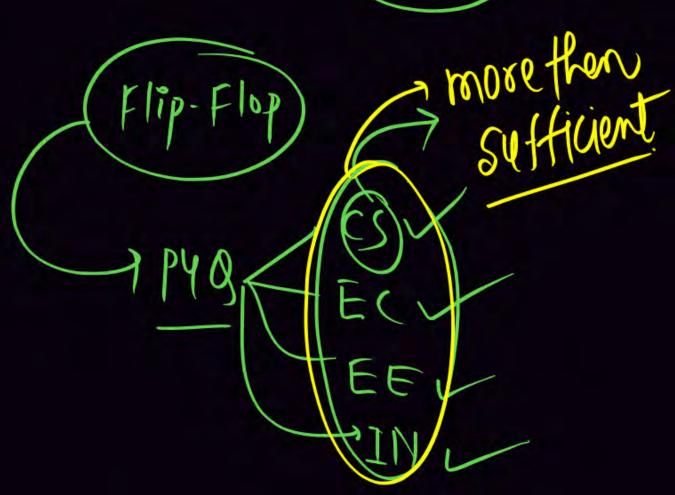
Registers - 0.5 Lecture

Counters - 3 Lecture

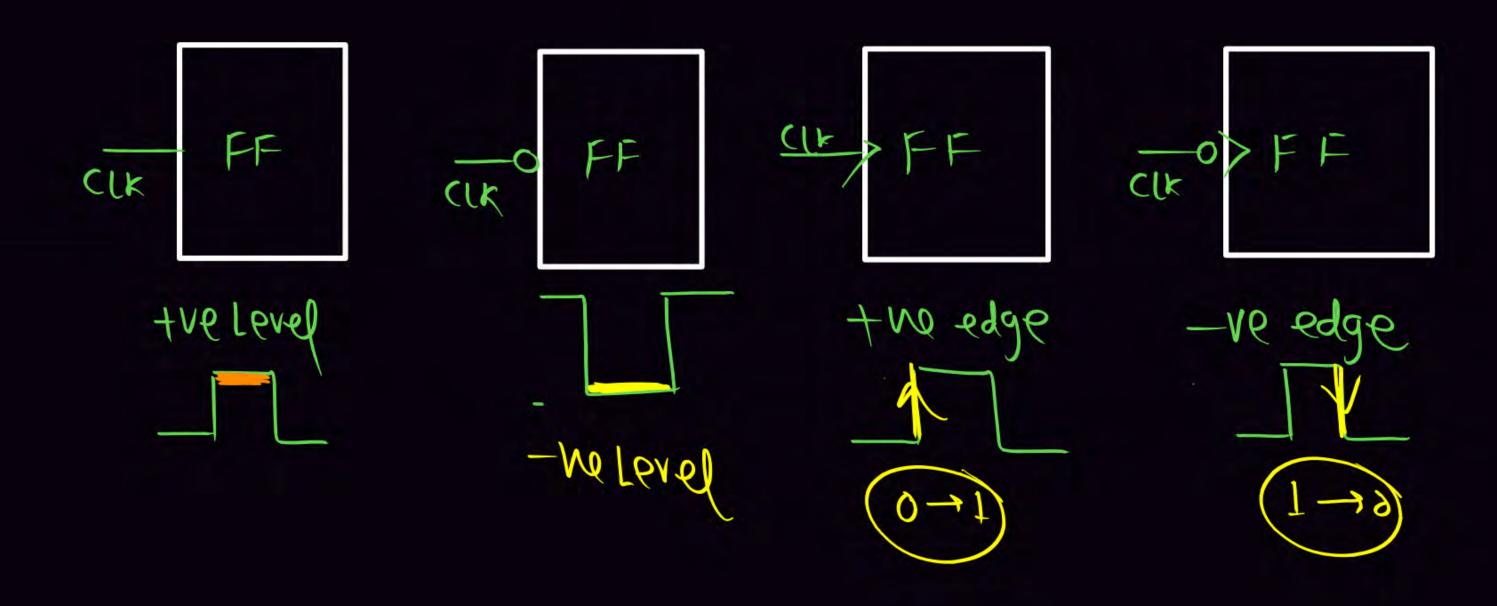
Number System

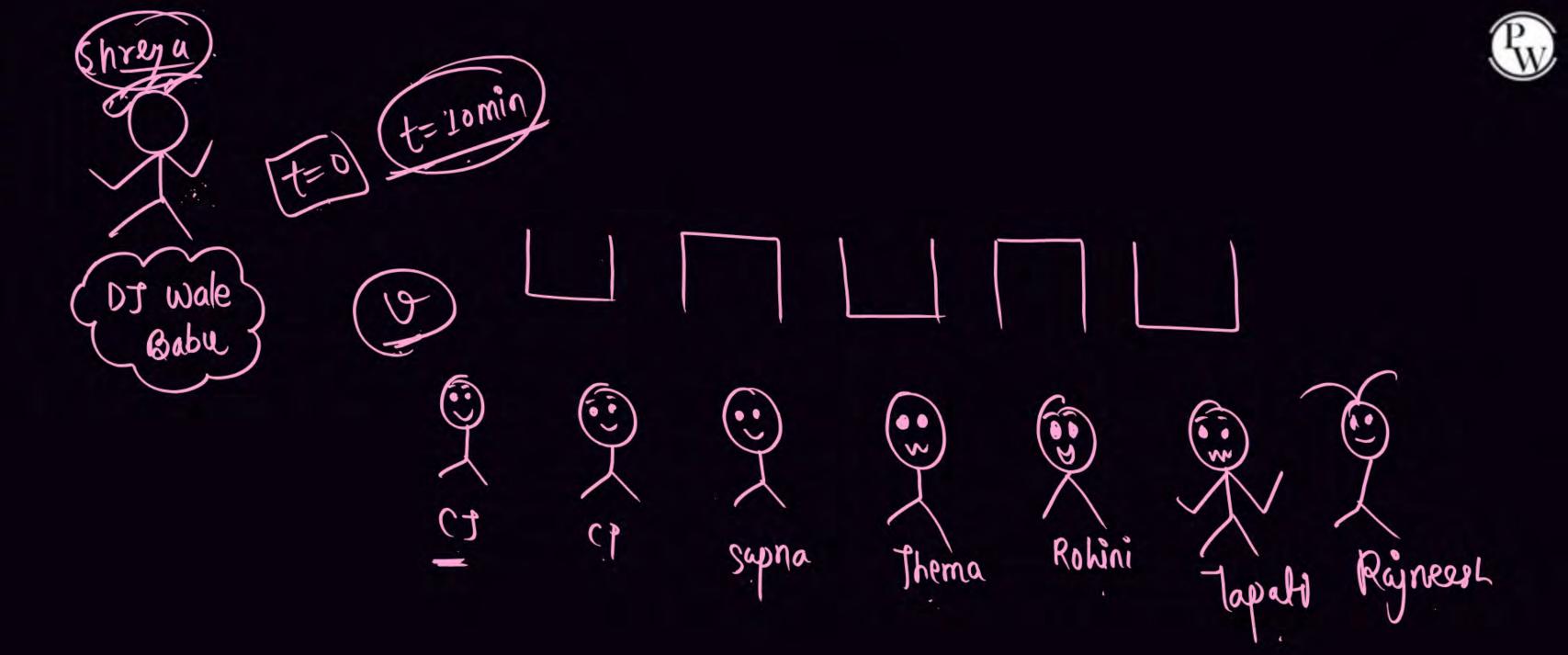
2 Lecture

Internet











Thank you

Soldiers!

