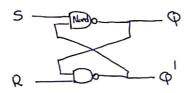
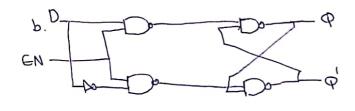
Co 221 : Digital Design Lab 08 : Pre-lab

E119/166 Jayathunga W.W.K. Group 13

\ a.



5	R	9	91	
* 1	0	0	1	
1	1	0	1	
0	1	١	0	
1	١	1	0	
0	0		(	
	•			



En	C	Next state
		of Q
0	*	No change
1	0	0
\	1	1,

2 als R flip-flop

state of uncertainity

$$S=0$$

$$S=0$$

$$S=0$$

$$S=0$$

$$S=0$$

$$S=0$$

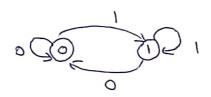
$$S=0$$

$$S=0$$

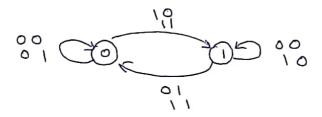
$$S=1$$

$$S=0$$

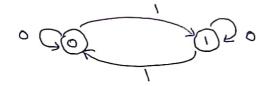
國 O flip flop

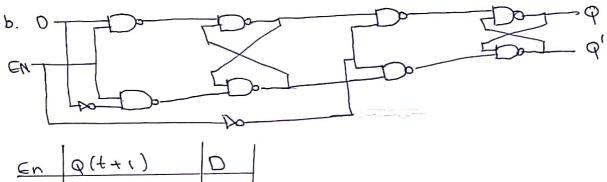


2K tlib tlob

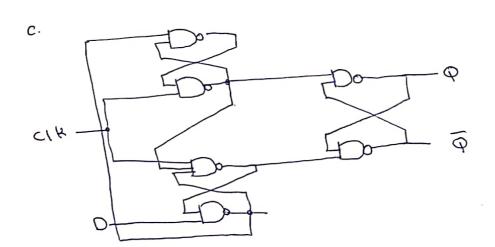


T flip flop

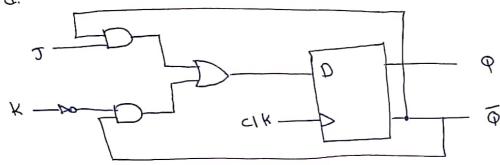




En	Q(++1)	D	
0	11 7 1 1 1 1 1	~	
\	Non change	1	
\	0	0	



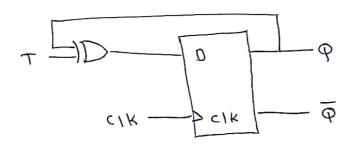
9



$\mathcal{Q}$	=	(1++) P	
0	=	JQ'+1	-1 @

, T	K	Q(++1)
. 0	0	Q
٥	l	٥
V	0	,
\	١	Q'

В.



$$0 = Q(++1)$$

$$0 = T \Theta Q$$

$$= T'Q + Q'T$$

7	Q(+)	Q (++1)
0	0	٥
0	1	١
1	O	1
1	1	0