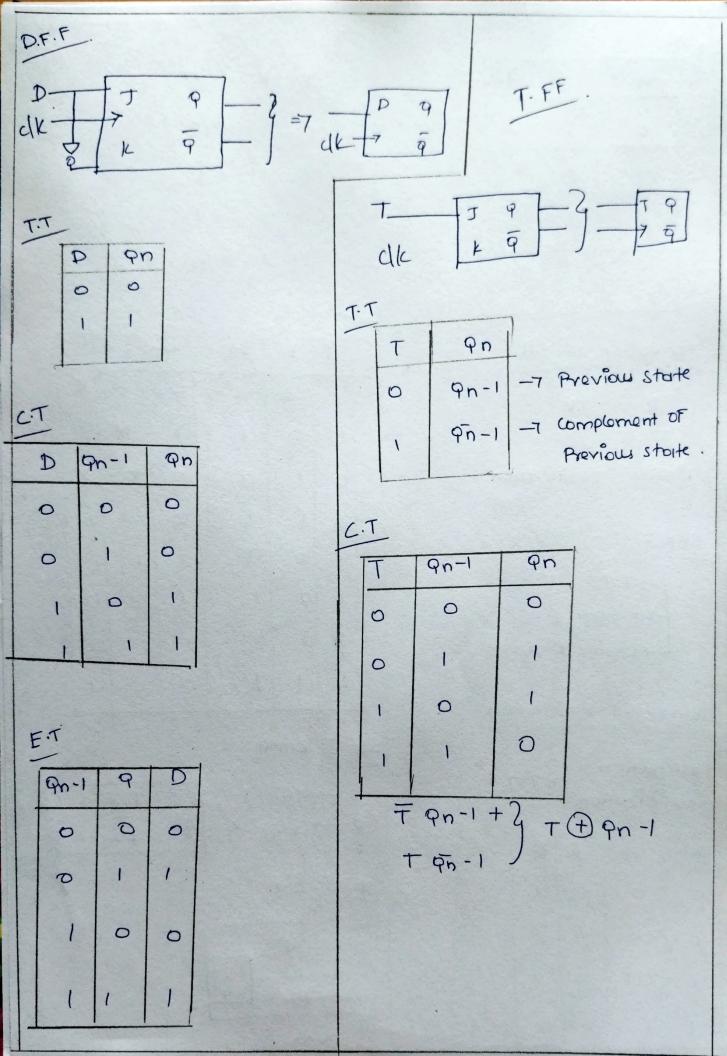


		,		
	5	12	90	9n
T.T UK	0	0	9n	9n
1	0	1	0	1
1	1	0	1	0
1	1	1	×	×

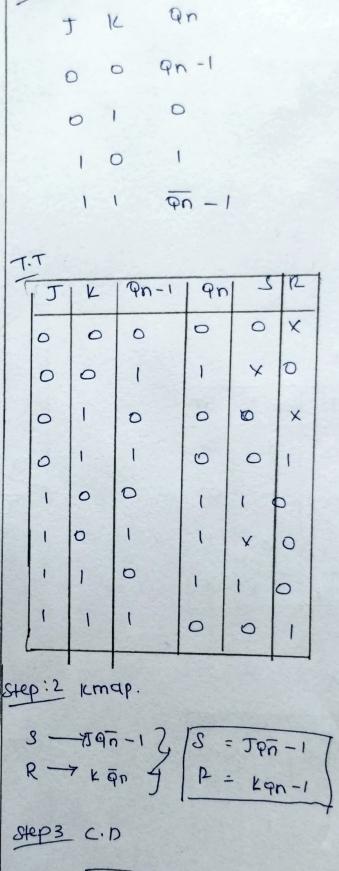
Lorice				
characterica	S	12	Previous 9n-1	next state
	0	0	0	0
	0	0	1	
	0	1	0	0
	0	1	1	0
	1	D	0	
	1	0	1	
	1	1	0	X
	1	1	1	×

LEG 9n = SR + R 9n-1
Gratation table ET

Bull							
Previous St 9n-1	nxt st qn	S	12				
0	0	0	X				
0	1		0				
1	0	0	1				
1	1	X	٥.				



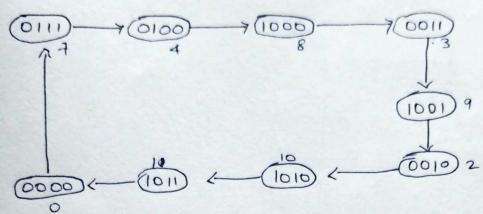
EIT	,						
	9n-1	1	7 ]	T			
	0	0	0				
	0	1	1				
	1	0	1				
	1	1	0				
6	nvarsion	OF	clk				
	SR -	TK					
	1	4					
	ource		inati	On			
Ste	p-3						
	1-17.1						
	-T k.m	αp					
	Ly Kire		Diagn	am			
			U				
Sour	rce -7	Fxi	crouti	on			
	0 0						
Destination -7 T.T							
exicitation							
an-	I Pn	2	12	1			
0	0	0	×				
0	1	1	0				
1	0	0	1				
1	1	×	0				



1.7

Design a Counter to Count 7, 4, 8, 3, 9, 2, 10, 11, 0, 7

bring (use TK 1895- Flop):



9n-1	9n	J	K
0	Q	0	×
D	1	1	×
1	0	×	1
1	1	×	0

	Previous	Next state	JAKA	TBKB	JC KC	JOKO.
7	0111	0100	OX	Χo	×I	XI
4	0100	1000	1 X	X I	XO	NO.
8	1000	0011	ХI	OX	1 ×	lx
3	0011	1001	1 %	OX	X I	Χo
9	1001	6010	х١	οx	1 ×	X I
2	0010	1010	1×	OX	XO	OX
10	1010	1011	ΧO	OX	xo	18
11	1011	0000	×ı	ОX	X I	×1
0	0000	0111	Ox	1×	ı×	(×

kmap:

JA 19	00	01		10
00	00	X	13	1 2
01	14	X	7	× 6
11	× 12	X 3	15	× 14
10	8	× 9	× III	× 101