Excitation Table for SR flipflop.

Teuth	table.	
SR	P.S Qn	N.S Qn+1
00	Q	٥
0 0	1	1.
0 1	0	0
0	()	0
10	0	
(0	1	k 1
()	0 2	Undefined
	, , (- Constitution

	1 -	1 0
Excita	tion	table

PS	N.S. Qn+1	Ė	- R.
0	0	0	X
0	1	1	0
1	0	0	1
1	1	X	0
-	_	-	

(00)) }	0 ×
(01)		(1)

(10) 0 1

Excitation table for D flipflop.

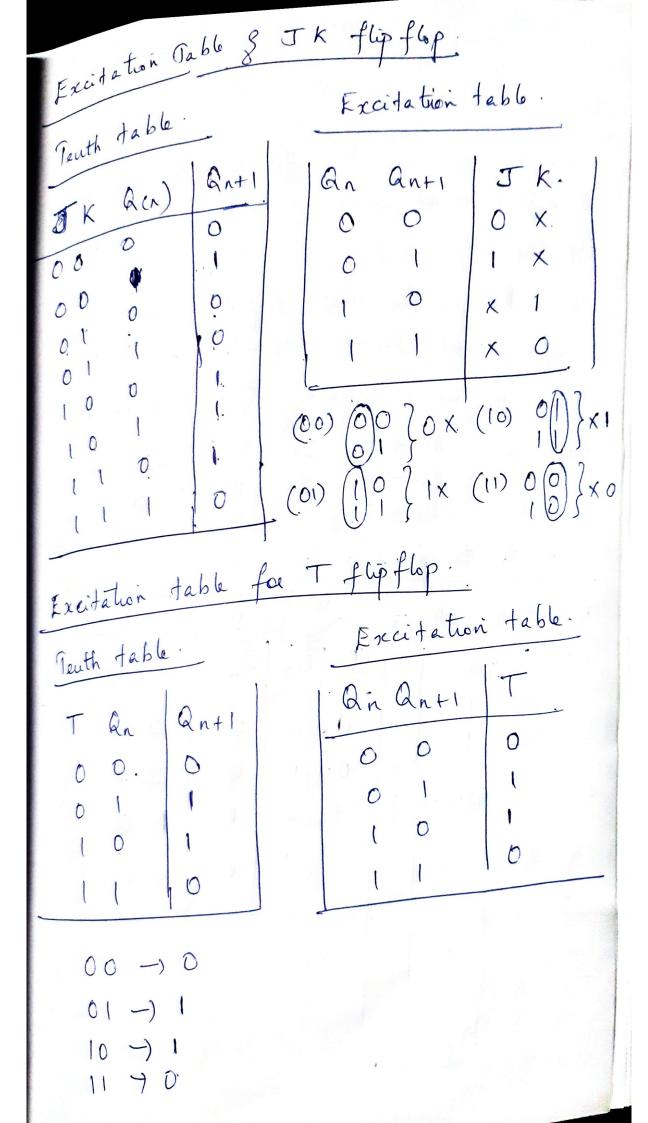
Teuth table.

1

D and	any
0 0	0. 4
0 4.4	0
1. 0	1
1 1	1.1

Excitation table.

1. Qn	anti	Do
1.0	0	0
10	1	
1	0	0
	1	1



Hipflop Conversion

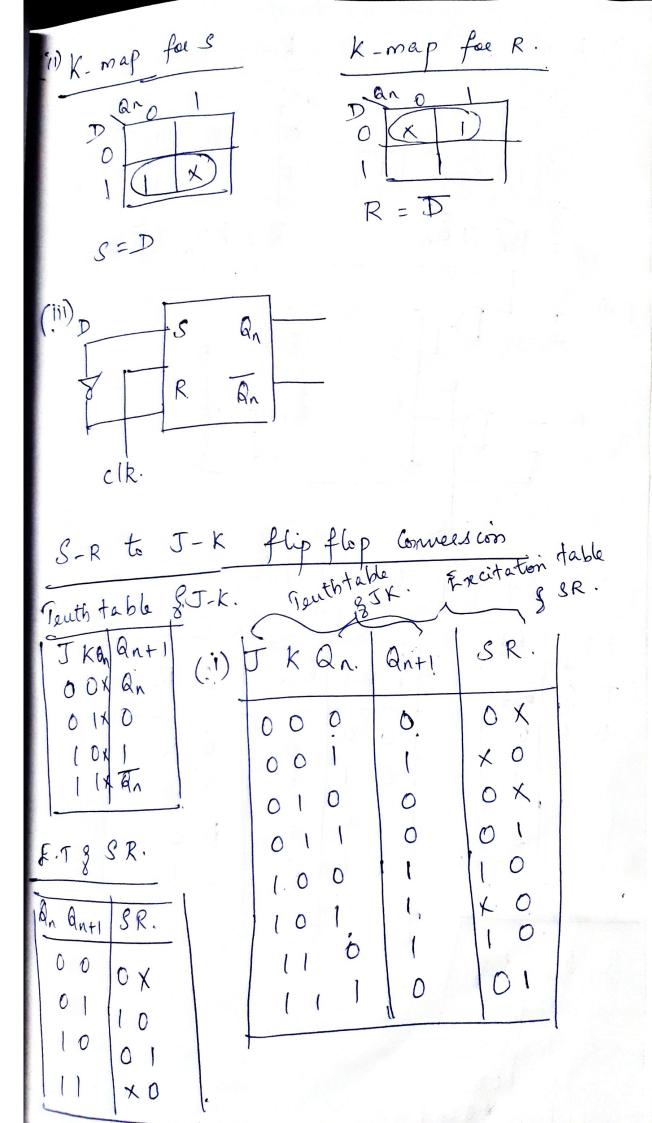
Steps

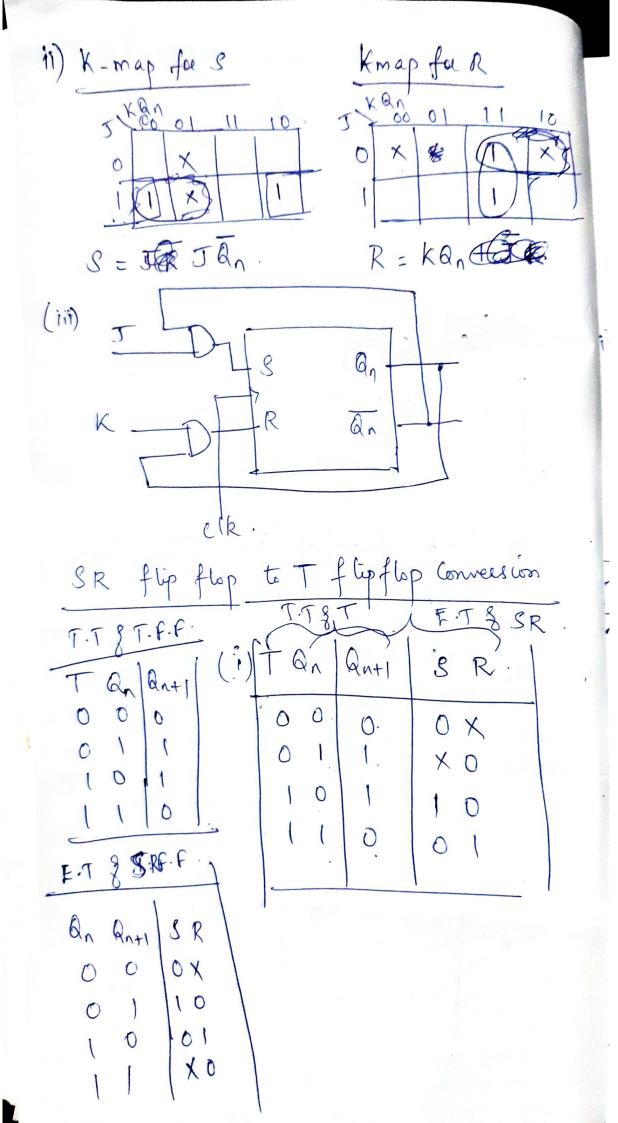
- Consider teuth table for destination flipflop 8 extend it as excitation table & source flip flop.

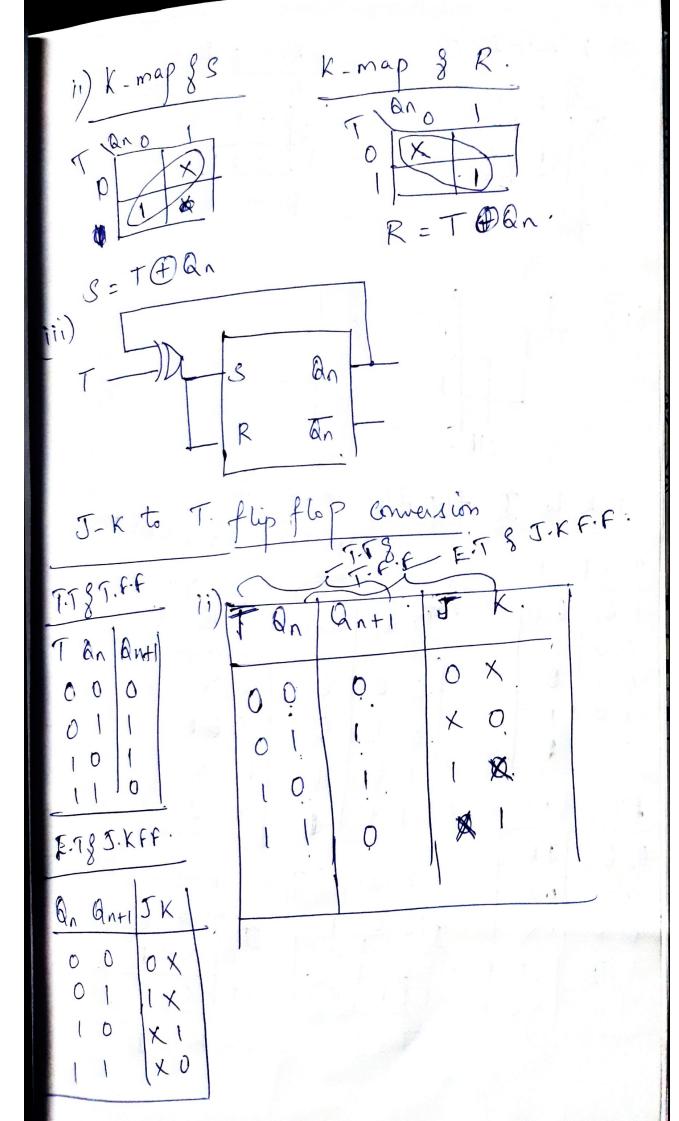
- Deaw K-map for sowice flip flop comput Variables, it will provide expression for Convasion - Deaw the circuit according to K-map expression

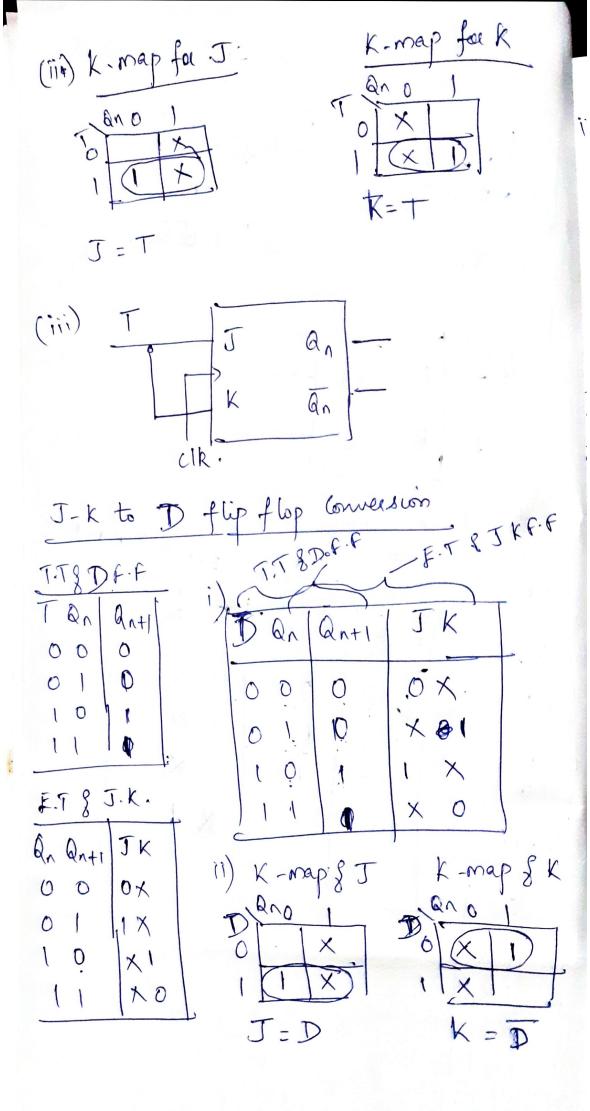
Conversions: $SR \rightarrow D$ $Jk \rightarrow T$ $T \rightarrow D$ $SR \rightarrow Jk$ $Jk \rightarrow D$ $D \rightarrow T$ $SR \rightarrow T$

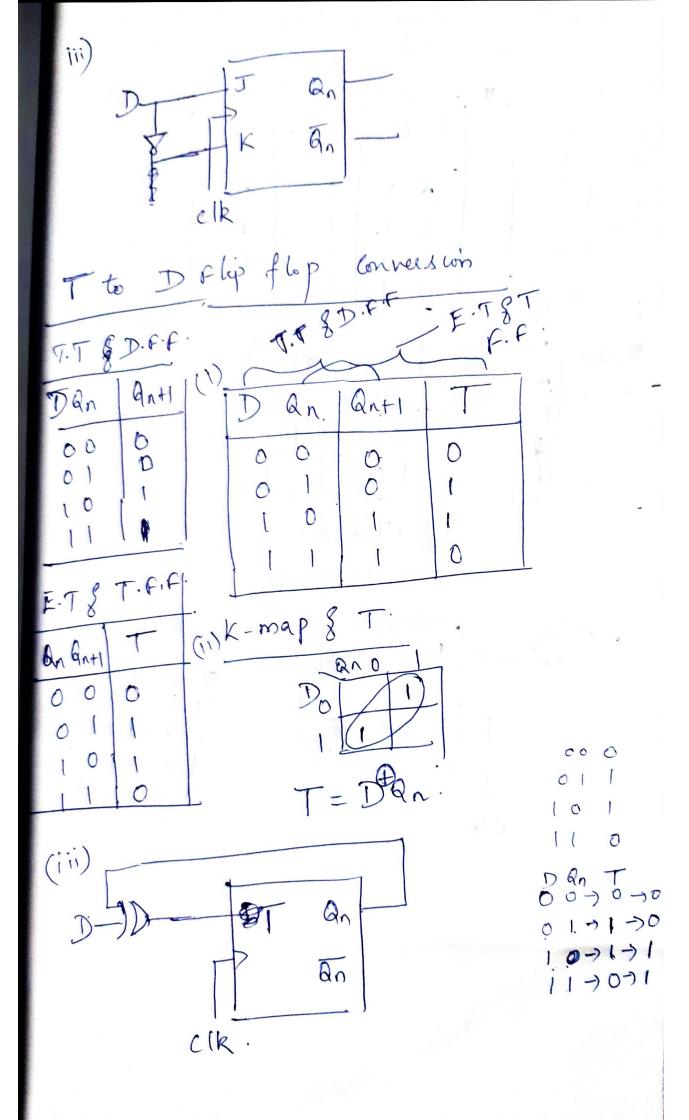
S-R to D flipf	lop Conve		- ox	Hatin Hable.
Touth table of D (1)				8
Dan anti	Dlan	Qntl	Š	R.
0 × 0	0 10	0	0	×
1 x 1	0 (1	0	0	.1
Excitation fable for SR.	1,0	1	*	0
an anti SR	1, 1	\ \ \	X	0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-	1		
0 1 10				



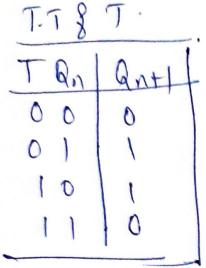








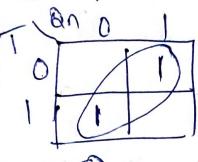
D to T flip flop conversion

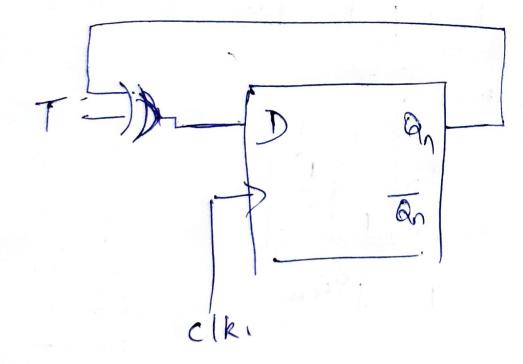


FIF	P	D	C.	r.
F.T	X	1	0-	-

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0	0	8º0
0	1	10
1	O	D D
1	1	\$ \

Tan	ant 1	D
00	0	0
0 1.	1	1
10	1	1
	0	0





Pan Di 70 0 17 17 1 1 17 07 0