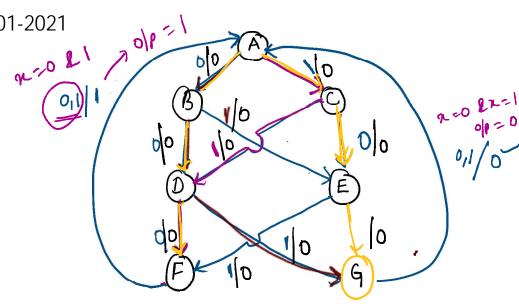
Parity bit Generator-30-01-2021

a b c	Parity bit (DM)
000	1
001	O
010	0
011	1
100	٥.
101	t
110	1
111	O



State diagram

State swynments

State Assignment

State table

Present	Next	Next state		x=1
State		X=1	N=0	X=
A	B	С	0	O
B	D	E	0	0
С	F	D	0	٥
D	F	લ	0	0
E	G	F	0	0
F	A	A	1	1
G	A	A	0	0

Derign odd party bit generals sequential cht uning I flip flops O Truth table for odd party but generals 3 State diagram 3 State Assignments 4 State table wing state Assignments 5 Excitation table for odd party generals 6 logic diagram State table uning state Afrignment

		. ()		
Present	Next A		outpu n=0	x=1
000	001	010	0	0
001	0 [\	PDD	0	0
0)0	00:1	011	0	O
0(1	101	9 110	0	0
100	9 = 110	101	0	O
F 101	<i>o</i> 😜	<i>მ</i> ბ0	1	1
110	000	080	0	0

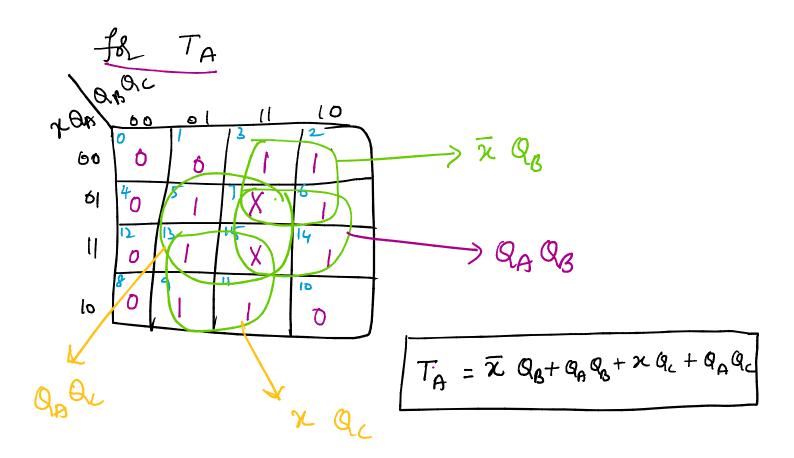
A = 000 B = 000 C = 010 D = 011 E = 100 F = 100

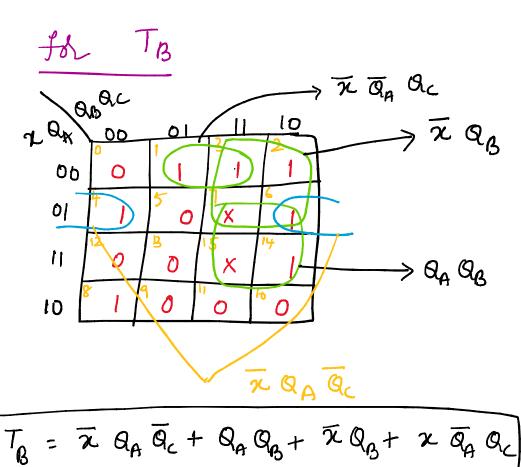
Tflip flop encitation table

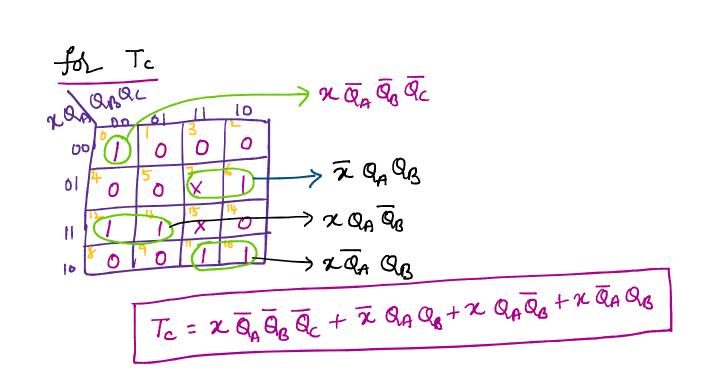
PS	NS	T
0	0	0
0	1	l
1	0	1
1 1	1	0

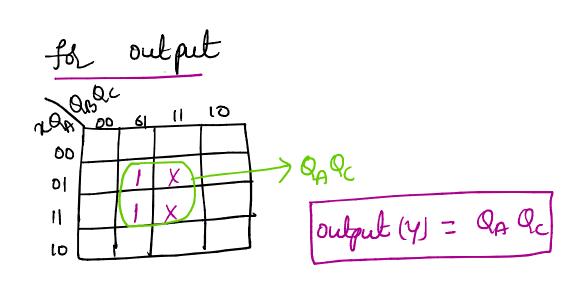
Excitation table folodopaity bit generable

		TA TB
Tnpu	t Present state	Next state TC
Decim	PA OB PC	QAH QBH QCH TA TB TC OP
0 0	000	0 0 1 0 0 1
1 0	001	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
20	010	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
3 0	011	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
4 O	100	1 1 0 0 0 = 100
5 6	101	000 1 F= 61
<u>6</u> 0	110	000 0 1 1 1 0 9 = 110
8	000	010000
9	001	100 0 0 7,15 don't
10	0 10	011 0 Cares
<i>t</i> 1 1	011	1 0 1 0
12	100	10100010
13 1	101	0 0 0 1 1
14 T	110	0 0 0 0 1 1 0 0 1









Logic diagram

