## HW #3

1. Tflip flop: input= CLK

output= Q

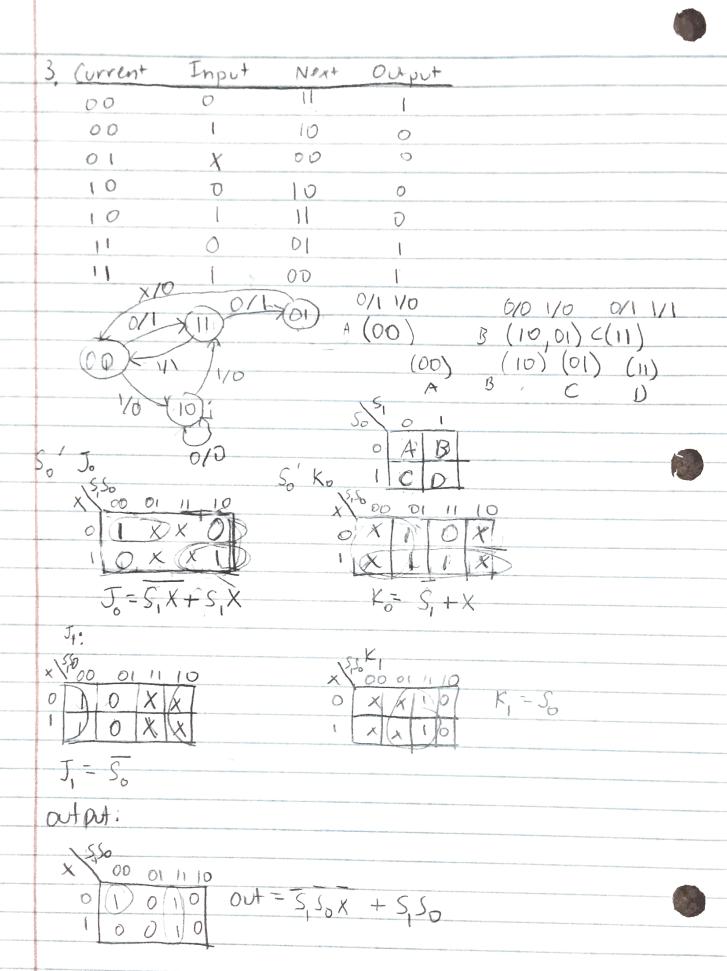
JK flip flop: receives clock; inputs: J, K

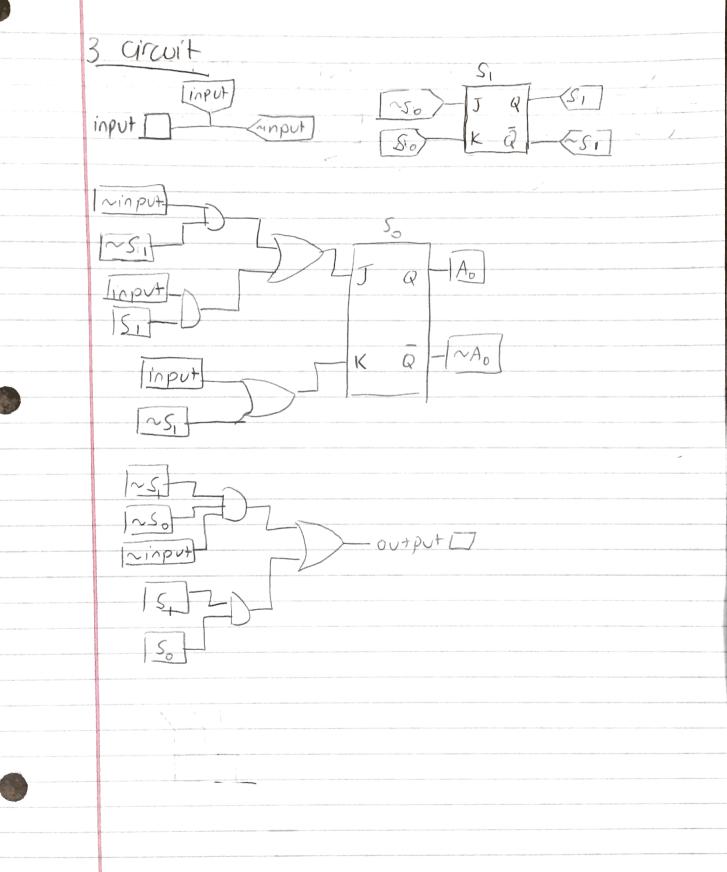
output= Q

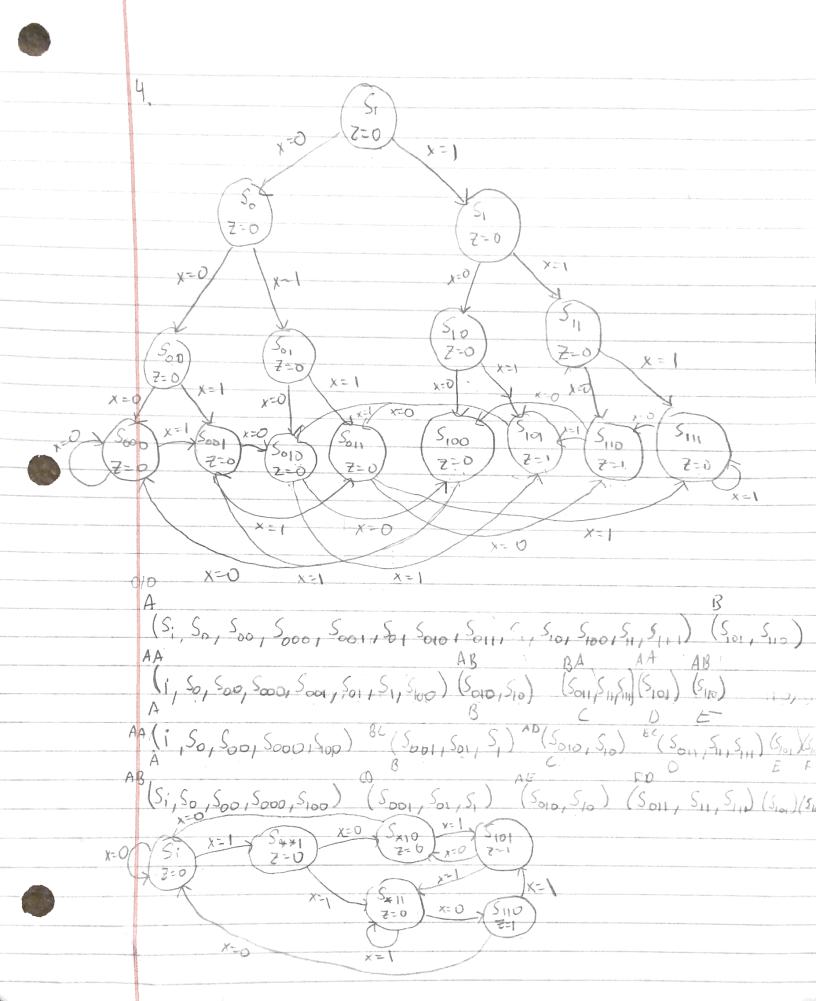
T.	Q	Q	J	1	1 Q'	T	J	1	Q	T
0	0	0	0	0	Q		0	0	Q	0
O	-	1	0	1	101		0	).	Q	Q
1	0	(	<b>\</b> ^	0	1			()	Q	Q
(	1	10	L	1	a		1	1	Q	11

\TK			
00 01 11 10			
00011		THE REP	
10000	JA	Chr. O'	
T-JQ+KQ		CIK Q	
An conversion and the contract the contract of		The state of the s	

2. S 13 Q-	Q'	LD	0.5
0 0 0	0	0	5 00 21 11 10
0 p	(		001100
010	0	0	1 TH XX
DIL	6	0	D=S+RQ
100.	1.		
01	1.		St) D Q
110	X	X	E Jan
	X	X	B-00 D

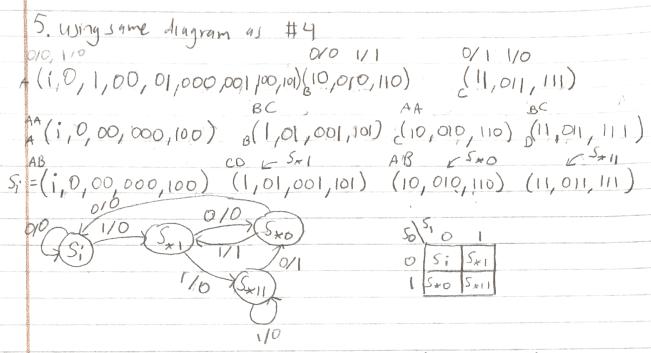






 $S_{2}^{2}S_{1} = 000$   $S_{110} = 010$   $S_{101} = 100$   $S_{110} = 010$   $S_{101} = 100$   $S_{110} = 101$   $S_{211} = 110$   $S_{211} = 110$   $S_{211} = 101$   $S_{221} = 101$   $S_{221} = 101$ 

					current
Current	encod	IX	next state	encoding	output
Si	000	0	5;	000	0
Si	000		5**1	001	0
5**1	001	0	5*10	101	0
	001		5*11	110	0
Stri	010	0	Si	000	
Sno	010	11	5,01	100	
S110 S101	100	0	5*10	101	
Sion	100	ang Ang Siran na mang mendilipikan Personalah Ang Siran Siran Panelis Palas Siran	5*11	110	
	101	6	Si	000	0
5*10			5,01	100	0
5x10	011	0	5110	010	0
S*II		antagi ya kumanini e Anu Makini kikisini si sirati dhimini ma	5*11	110	5
S*11	1101	*	J. F. J. S.		



Current encod X next state	lencoding	output
si 00 0' s;	00	0
Si 00 1 Six1	10	0
5+0 01 0 51	00	0
5*0 01 1 5*1	10	(
S*1 10 0 5*0	01/	0
S*1 10 1 S*11	e and a second	0
5*11 11 0 5*0	01	0
5*11	11	0

