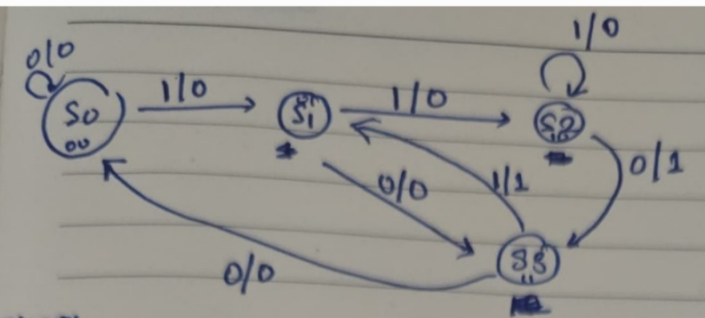


J	K	Q(t)	Q(t+1)
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	1
1	0	0	1
1	0	1	0

2)



Date.....

Binary
 00 S0 → 0s, no 1s
 01 S1 → we have 1
 10 S2 → we have 11
 11 S3 → we have 10

PS			NS		O/P	A		B	
A	B	α	A	B		J_A	K_A	J_B	K_B
0	0	0	0	0	0	0	X	0	X
0	0	1	0	1	0	0	X	1	X
0	1	0	1	1	0	1	X	X	0
0	1	1	1	0	0	1	X	X	1
1	0	0	1	1	1	X	0	1	X
1	0	1	1	0	0	X	0	0	X
1	1	0	0	0	0	X	1	X	1
1	1	1	0	1	1	X	1	X	0

J_A no 1

00	0	0
01	1	1
11	X	X
10	X	X

K_A 0 1

00	X	X
01	X	X
11	1	1
10	0	0

J_B 0 1

00	0	1
01	X	X
11	X	X
10	1	0

K_B 0 1

00	X	X
01	0	1
11	1	0
10	X	X

$J_A = B$

$K_A = B$

$J_B = \bar{A}\alpha + A\bar{\alpha}$

$K_B = \bar{A}\alpha + A\bar{\alpha}$

