0164203953,7,0

Outputs:

Y_1

Q_1X / Q_2Q_0	00	01	11	10
00	1	1	1	1
01	0	0	0	0
11	1	1	0	0
10	1	1	0	0

Y_T

Q_1X / Q_2Q_0	00	01	11	10
00	0	0	0	0
01	1	1	1	1
11	0	0	1	1
10	0	0	1	1

$$Y_1 = Q_2' Q_1' + Q_2 Q_1'$$
$$Y_2 = Q_2' Q_1 + Q_2 Q_0$$

Flip Flops: J_2

Q_1X / Q_2Q_0	00	01	11	10
00	0	0	0	1
01	0	0	1	0
11	X	X	X	X
10	X	X	0	0

$$J_2 = Q_1 Q_0 X + Q_2' Q_1' Q_0' X$$

K_2

Q_1X / Q_2Q_0	00	01	11	10
00	X	X	X	X
01	X	X	X	X
11	1	0	1	0
10	0	0	0	0

$$K_2 = Q_1 Q_0' X' + Q_1 Q_0 X$$

Q_1X / Q_2Q_0	00	01	11	10
00	0	0	0	0
01	X	X	X	X
11	X	X	X	X
10	1	0	1	0

$$J_1 = Q_2' Q_0' X + Q_2 Q_0 X$$

K_1

Q_1X / Q_2Q_0	00	01	11	10
00	X	X	X	X
01	0	0	1	0
11	0	0	1	0
10	X	X	X	X

$$K_1 = Q_0 X$$

Q_1X / Q_2Q_0	00	01	11	10
00	1	0	X	X
01	0	1	X	X
11	0	0	X	X
10	0	0	X	X

$$J_0 = Q_2' Q_1' X' + Q_2' Q_1 X$$

Q_1X / Q_2Q_0	00	01	11	10
00	X	X	0	1
01	X	X	0	0
11	X	X	1	0
10	X	X	0	0

$$K_0 = Q_2' Q_1' X' + Q_2 Q_1 X$$

	current state				J_2	K_2	J_1	K_1	J_0	K_0	next state			output	
	Q_2	Q_1	Q_0	x	J_2	K_2	J_1	K_1	J_0	K_0	Q_2	Q_1	Q_0	y_2	y_1
4	0	1	0	0	0	d	d	0	d	d	0	1	0	1	0
5	0	1	0	1	0	d	d	0	1	d	0	1	1	1	0
6	0	1	1	0	0	d	d	0	d	0	0	1	1	1	0
7	0	1	1	1	1	d	d	1	d	0	1	0	1	1	0
8	1	0	1	0	d	0	0	d	d	0	1	0	1	1	0
11	1	0	1	1	d	0	1	d	d	0	1	1	1	1	0
14	1	1	1	0	d	0	d	0	d	0	1	1	1	1	0
15	1	1	1	1	d	1	d	1	d	1	0	0	0	1	0
0	0	0	0	0	0	d	0	d	1	d	0	0	1	0	1
1	0	0	0	1	0	d	0	d	0	d	0	0	0	0	1
2	0	0	1	0	1	d	0	d	d	1	1	0	0	0	1
3	0	0	1	1	0	d	0	d	d	0	0	0	1	0	1
8	1	0	0	0	d	0	1	d	0	d	1	1	0	0	1
9	1	0	0	1	d	0	0	d	0	d	1	0	0	0	1
12	1	1	0	0	d	1	d	0	0	d	0	1	0	0	1
13	1	1	0	1	d	0	d	0	0	d	1	1	0	0	1

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