2. 3 latches / ff

3.

C2	C1	C0	I	N2	N1	N0	U
0	0	0	0	0	0	1	0
0	0	0	1	0	0	0	0
0	0	1	0	0	0	1	0
0	0	1	1	0	1	0	0
0	1	0	0	0	0	1	0
0	1	0	1	0	1	1	0
0	1	1	0	1	0	0	0
0	1	1	1	0	0	0	0
1	0	0	0	0	0	1	1
1	0	0	1	0	1	0	1
1	0	1	0	x	X	x	x
1	0	1	1	x	X	x	x
1	1	0	0	x	X	x	x
1	1	0	1	x	X	x	x
1	1	1	0	x	x	x	x
1	1	1	1	X	X	X	X

4.

C2C1 \ C0I	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	X	X	X	X
10	1	1	X	Х

U = C2

5.

C2C1 \ C0I	00	01	11	10
00	1			1
01	1	1		
11	X	X	X	X
10	1	X	X	X

N0 = C2 + !C2C1!C0 + !C2!C1!I