

## 2. 2 latches/ff

3.

C1	C0	I	N1	N0	U
0	0	0	0	1	0
0	0	1	0	0	0
0	1	0	0	1	0
0	1	1	1	0	1
1	0	0	0	1	0
1	0	1	0	0	0
1	1	0	x	x	x
1	1	1	x	x	x

4.

I \ C1C0	00	01	11	10
0			x	
1		1	x	

$$U = I.C0$$

5.

I \ C1C0	00	01	11	10
0	1	1	x	1
1			x	

$$N0 = !I$$