

2. 2 latches/ff

3.

C1	C0	N1	N0	A	B	C	D	E	F	G
0	0	0	1	0	1	1	0	0	0	0
0	1	1	0	1	1	0	1	1	0	1
1	0	1	1	0	1	1	0	0	1	1
1	1	0	0	1	1	1	1	1	1	1

4.

C0 \ C1	0	1
0	0	0
1	1	1

$A = C0$

5.

C0 \ C1	0	1
0	1	1
1	0	0

$N0 = !C0$