q_2 q_1 q_0 A B q_2^+ q_1^+ q_0^+

q_2	q_1	q_0	A	B	q_2^+	q_1^+	q_0^+
0	0	0	1	0	1	0	0
0	0	1	1	0	1	0	1
0	1	0	1	0	1	1	0
0	1	1	0	0	0	1	1
1	0	0	1	0	0	1	0
1	0	1	1	0	0	1	1
1	1	0	1	1	0	0	1
1	1	1	0	1	1	0	0

$A = NAND(q_1, q_0)$

$B = q_2 q_1$

q_0 togglas om B

q_1 togglas om q_2

q_2 togglas om A

$\overline{q_2 q_1 q_0}$

000 → 100 → 010 → 110

111 → 100

110 → 001 → 101 → 011 → 011 (self loop) → 100