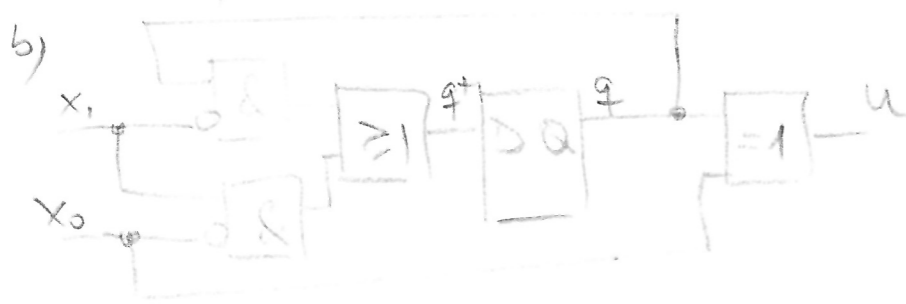


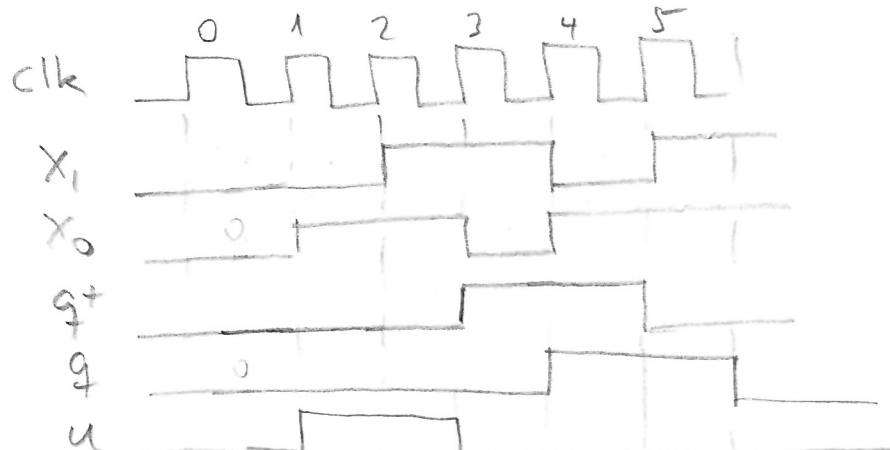
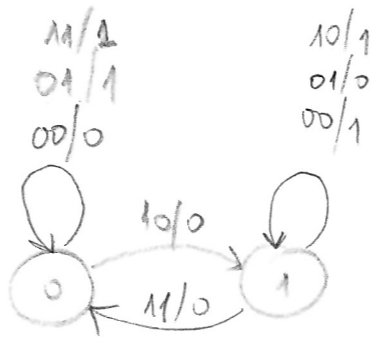
② a) Mealy



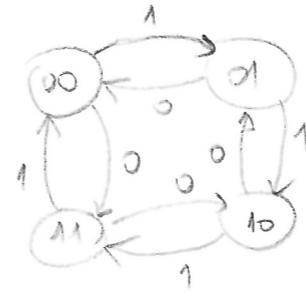
$$q^+ = q\bar{x}_1 + x_1\bar{x}_0$$

$$u = q \oplus x_0$$

q	x ₁	x ₀	q ⁺	u
0	0	0	0	0
0	0	1	0	1
0	1	0	1	0
0	1	1	0	1
1	0	0	1	1
1	0	1	1	0
1	1	0	1	1
1	1	1	0	0



3



q_1	q_0	X	q_1^+	q_0^+
0	0	0	1	1
0	0	1	0	1
0	1	0	0	0
0	1	1	1	0
1	0	0	1	1
1	0	1	1	0
1	1	0	1	0
1	1	1	0	0

q_1^+

X	q_1	q_0	q_1^+	q_0^+
0	0	0	1	1
0	1	0	1	0
1	0	0	1	1

q_0^+

X	q_1	q_0	q_0^+
0	0	0	1
0	1	0	0
1	0	0	1

$q_1^+ = q_1 \oplus q_0 \oplus X$ $q_0^+ = \overline{q_0}$

