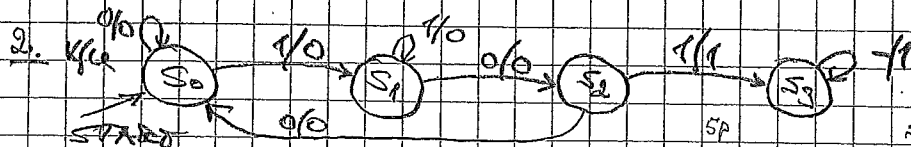
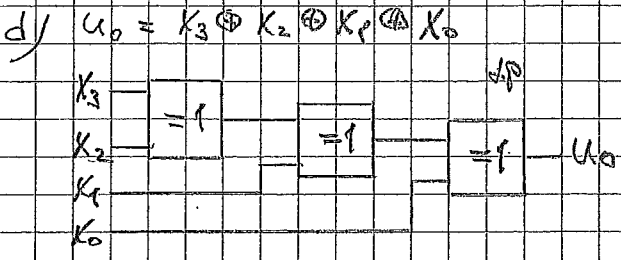
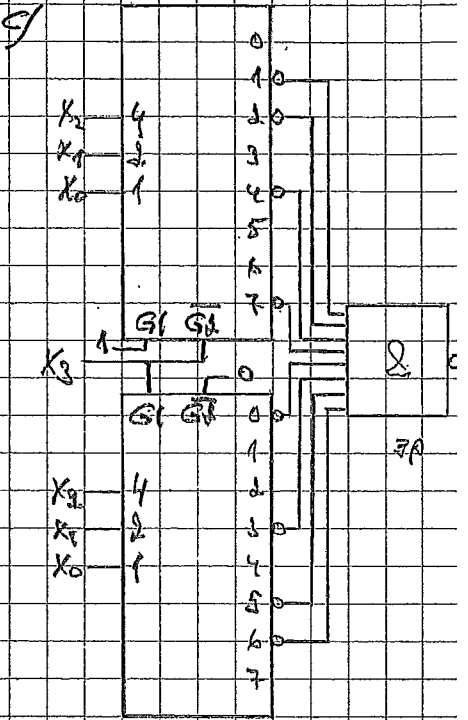
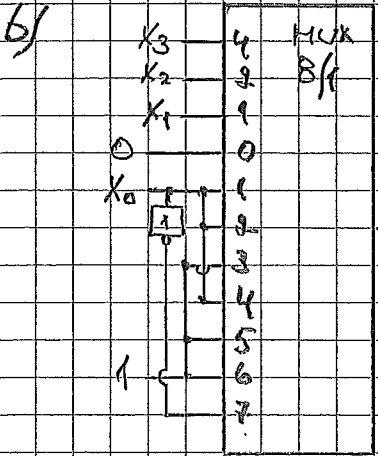
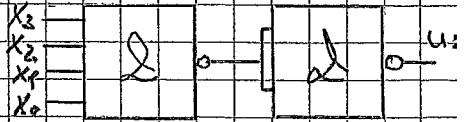


X_3	X_2	X_1	X_0	U_2	U_1	U_0	MUX
0	0	0	0	0	0	0	0
0	0	0	1	0	0	1	0
0	0	1	0	0	0	1	X_0
0	0	1	1	0	1	0	X_0
0	1	0	0	0	0	1	1
0	1	0	1	0	1	0	X_0
0	1	1	0	0	1	0	1
0	1	1	1	0	1	1	1
1	0	0	0	0	0	1	X_0
1	0	0	1	0	1	0	X_0
1	0	1	0	0	1	0	1
1	0	1	1	0	1	1	1
1	1	0	0	0	1	0	1
1	1	0	1	0	1	1	1
1	1	1	0	0	1	1	X_0
1	1	1	1	1	0	0	X_0

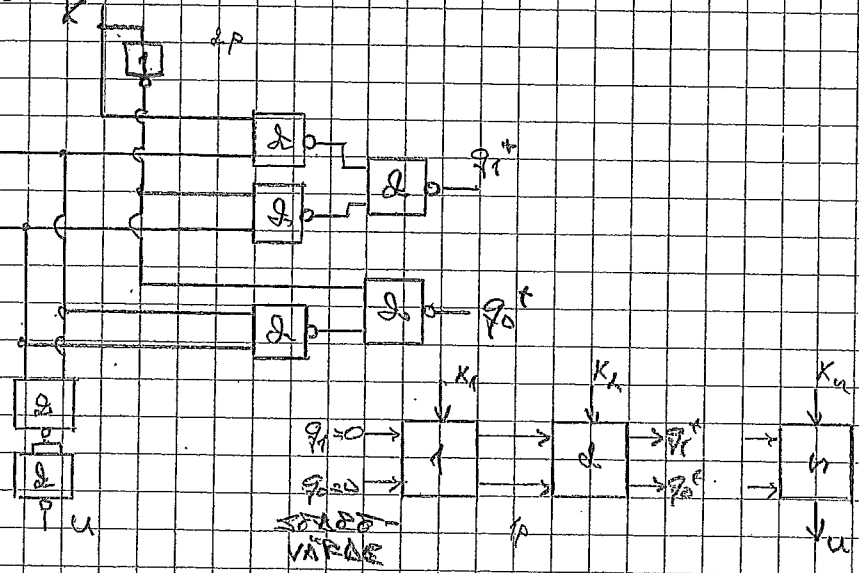


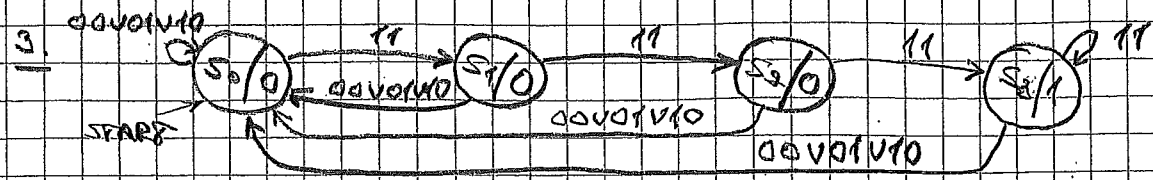
S_1	S_0	X	U
0	0	0	0
0	1	1	1
1	0	0	0
1	1	1	1

S_1	S_0	X	U
0	0	0	0
0	1	1	1
1	0	0	0
1	1	1	1

$q_1^+ = q_0 \cdot K' + q_1 \cdot X$
 $q_0^+ = X + q_1 \cdot q_0$
 $U = q_1 \cdot q_0$

CELL 1: $q_1^+ = q_0 \Rightarrow$
 $q_1^+ = 0$
 $q_0^+ = X$
 CELL 2: $q_1^+ = q_0 \cdot K'$
 $q_0^+ = X$





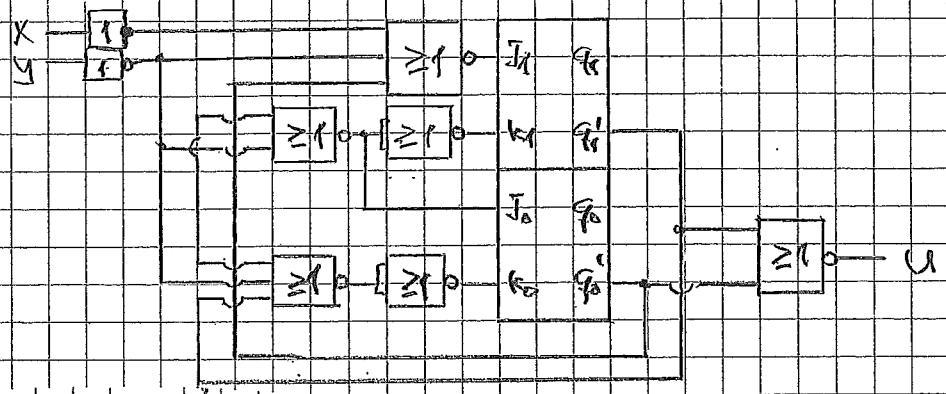
	xy	00	01	11	10	00	01	11	10	00	01	11	10	00	01	11	10
q_0	q_0	00	00	00	01	00	00	00	10	00	00	10	00	00	00	00	10
q_1	q_1	01	00	00	10	00	00	00	10	00	00	10	00	00	00	00	10
q_2	q_2	11	00	00	11	00	00	00	11	00	00	11	00	00	00	00	11
q_3	q_3	10	00	00	11	00	00	00	11	00	00	11	00	00	00	00	11

$$\begin{cases} J_1 = q_0 \cdot x \cdot y \\ K_1 = x + y \end{cases}$$

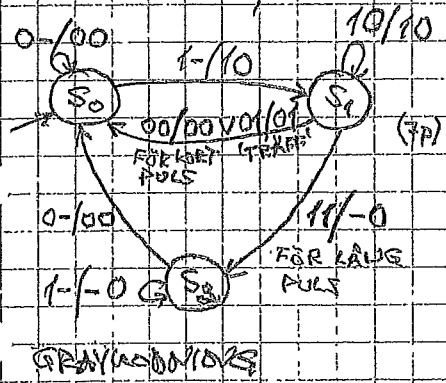
$$\begin{cases} J_0 = x \cdot y \\ K_0 = q_1 + x + y \end{cases}$$

$$\begin{cases} J_2 = (q_0' + x \cdot y)' \\ K_2 = (x + y)' \end{cases} \quad \begin{cases} J_3 = (x \cdot y)' \\ K_3 = (q_1' + x \cdot y)' \end{cases}$$

$$\begin{aligned} U &= q_1 \cdot q_0 \\ U &= (q_1' + q_0)' \end{aligned}$$



4. INSTR.: IN, RCO
UTSIG.: L, UT

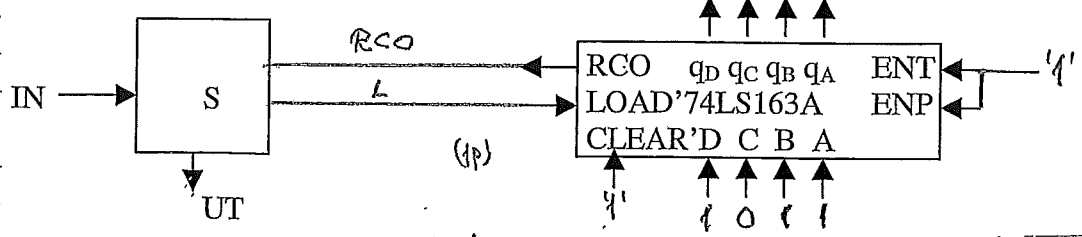


	IN, RCO	00	01	11	10	00	01	11	10
q_0	q_0	00	00	00	01	00	00	00	00
q_1	q_1	00	00	00	01	00	00	00	00
q_2	q_2	01	00	00	01	00	00	00	00
q_3	q_3	11	00	00	00	00	00	00	00
q_4	q_4	10	00	00	00	00	00	00	00

$$\begin{cases} J_2 = q_1 \cdot IN \cdot RCO \\ K_2 = IN \end{cases}$$

$$\begin{cases} q_2^+ = q_2 \cdot IN \vee q_1 \cdot IN \cdot RCO \\ q_1^+ = IN \end{cases} \quad (2P)$$

$$\begin{cases} J_1 = IN \\ K_1 = K_2 = IN \end{cases}$$



$$\begin{cases} L = IN \\ UT = q_2' \cdot q_1 \cdot IN \cdot RCO \end{cases}$$