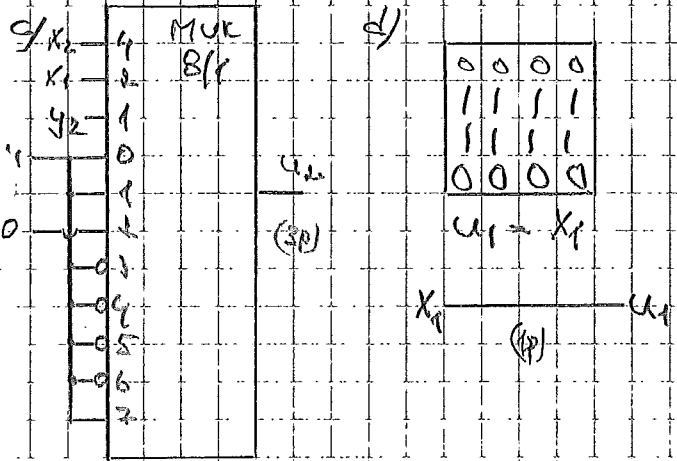
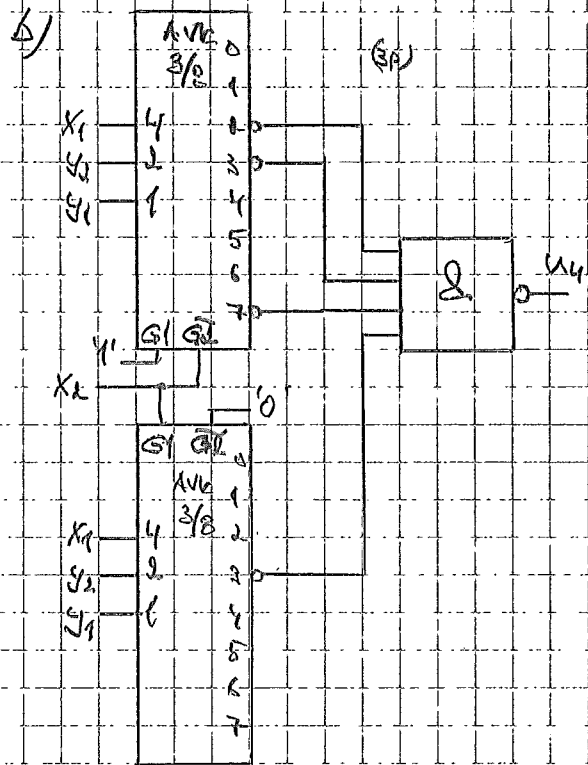


$$u_0 = (y_2 \vee y_1) \cdot (x_2 \vee x_1)$$

$$u_0 = [(y_2 \vee y_1) \cdot (x_2 \vee x_1)]'$$



3.

$$J_1 = q_2 \quad J_2 = (q_3 \cdot q_1)' = q_3 \vee q_1$$

$$K_1 = q_3 \quad K_2 = (q_3 \cdot q_1)' = q_3 \vee q_1$$

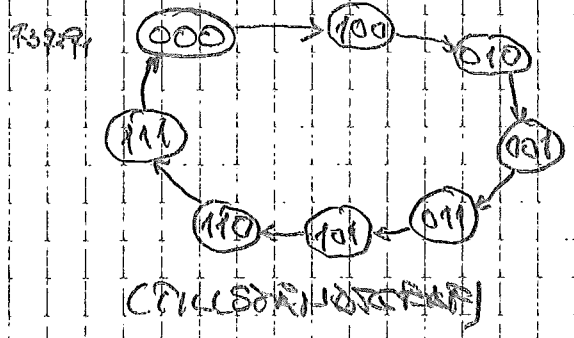
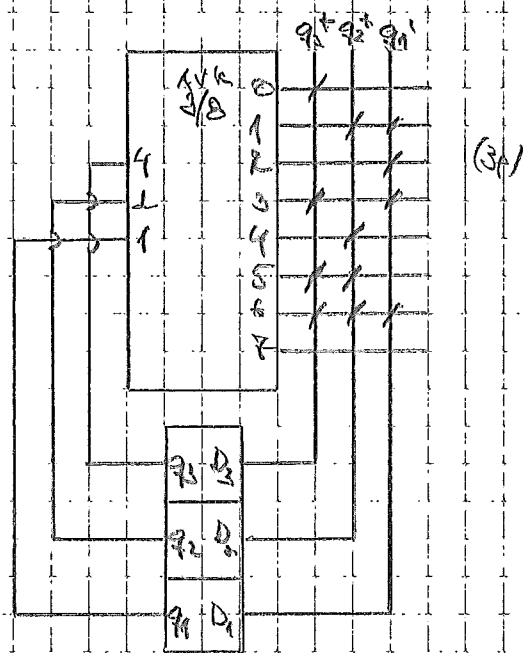
$$J_3 = K_3 = [(q_2 \cdot q_1)' \cdot (q_2 \cdot q_2)]' = q_2 \cdot q_1 \vee q_2 \cdot q_1$$

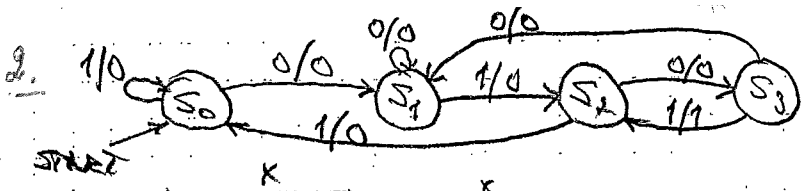
(LOGISCHEN VERFAHREN)

$q_3 q_2 q_1$	$J_1 K_1$	$J_2 K_2$	$J_3 K_3$
000	1 1	0 1	0 0
001	0 0	1 1	0 0
010	0 0	0 1	1 0
011	1 1	1 1	1 0
100	1 1	1 0	0 1
101	0 0	1 1	0 1
110	0 0	1 0	1 1
111	1 1	1 1	1 1

$q_3 q_2 q_1$	$q_3' q_2' q_1'$
000	1 0 0
001	0 1 1
010	0 0 1
011	1 0 1
100	0 1 0
101	1 1 0
110	1 1 1
111	0 0 0

(CRISTOPHER KOPPEL)





	0	1
$S_0$	$S_1/0$	$S_0/0$
$S_1$	$S_1/0$	$S_2/0$
$S_2$	$S_3/0$	$S_0/0$
$S_3$	$S_1/0$	$S_2/1$

$S^*/U$

SP-PART: JUNI-10  
 $S_0 S_1 \rightarrow S_0 S_0 \rightarrow S_0 S_0$   
 $S_0 S_2 \rightarrow S_0 S_2 \rightarrow S_0 S_2$   
 $S_0 S_3 \rightarrow S_0 S_3 \rightarrow S_0 S_3$   
 $S_1 S_1 \rightarrow S_1 S_1 \rightarrow S_1 S_1$   
 $S_1 S_2 \rightarrow S_1 S_2 \rightarrow S_1 S_2$   
 $S_1 S_3 \rightarrow S_1 S_3 \rightarrow S_1 S_3$   
 $S_2 S_2 \rightarrow S_2 S_2 \rightarrow S_2 S_2$   
 $S_2 S_3 \rightarrow S_2 S_3 \rightarrow S_2 S_3$   
 $S_3 S_3 \rightarrow S_3 S_3 \rightarrow S_3 S_3$

	$q_1$	0	1
$S_0$	00	01/0	00/0
$S_1$	01	01/0	10/0
$S_2$	10	11/0	00/0
$S_3$	11	01/0	10/1

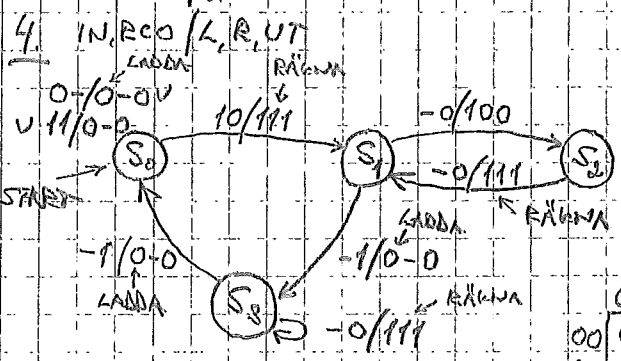
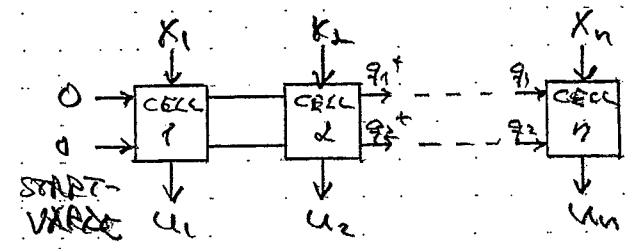
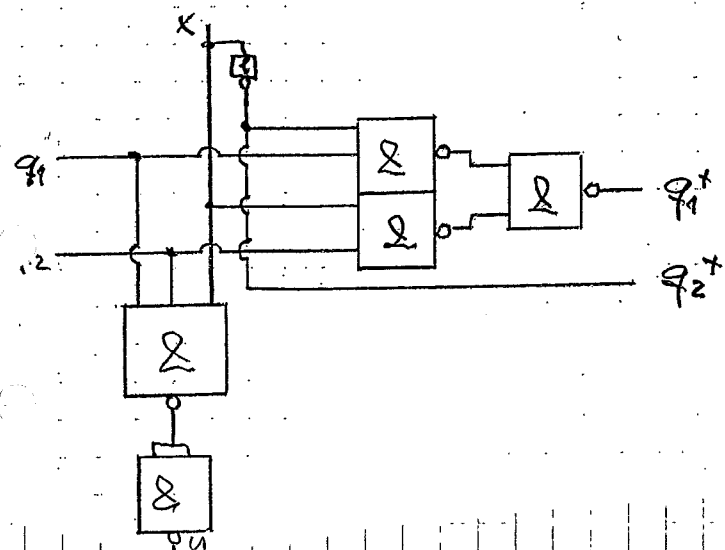
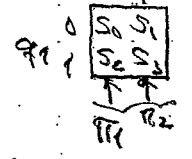
$q_1^* q_2^* / u$

	0	1
$q_1^*$	00	01
$q_2^*$	01	10
$u$	00	01

$$q_1^* = q_1 q_2 \cdot K' \vee q_2 \cdot X = [(q_1 q_2 \cdot X)'] \cdot (q_2 \cdot X)'$$

$$q_2^* = X'$$

$$u = q_1 \cdot q_2 \cdot X = [(q_1 q_2 \cdot X)']'$$



	$q_1 q_2$	00	01	11	10
$S_0$	00	00/0-0	00/0-0	00/0-0	01/100
$S_1$	01	11/100	10/0-0	10/0-0	11/100
$S_2$	11	01/111	-	-	01/111
$S_3$	10	10/111	00/0-0	00/0-0	10/111

GRAY-Code

	$q_1 q_2$	$q_1^*$	$q_2^*$	L	R	UT
00	00	00	01	00	01	- - - 0 0 0 0 0
01	11	11	10	10	01	1 0 0 1 0 1 - - - 0 0 0 0 0
11	01	-	-	11	-	1 1 - - 1 1 - - 1
10	10	10	01	10	01	1 0 0 1 1 - - 1 1 0 0 1

0	0	0	0	-	-	-
1	1	1	1	-	-	-
-	-	-	-	1	-	1
-	-	-	-	0	1	0

$q_1^*$        $q_2^*$

$$\begin{cases} U_1 = q_2 \\ U_2 = q_2 \vee RCO \end{cases}$$

$$\begin{cases} U_1 = q_1 \cdot IN \cdot RCO' \\ U_2 = RCO \end{cases}$$

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