

Osnove digitalnih vezij

10. Domača naloga

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Izračun:

q_1	q_2	x_1	x_2	D_1	D_2	Y_1	Y_2	r_1	s_1	r_2	s_2
0	0	0	0	0	0	0	0	X	0	X	0
0	0	0	1	0	0	0	0	X	0	X	0
0	0	1	0	0	1	0	0	X	0	0	1
0	0	1	1	1	1	0	0	0	1	0	1
0	1	0	0	0	0	0	1	X	0	1	0
0	1	0	1	0	1	0	1	X	0	0	X
0	1	1	0	1	0	0	1	0	1	1	0
0	1	1	1	0	0	0	1	X	0	1	0
1	0	0	0	0	0	1	0	1	0	X	0
1	0	0	1	1	0	1	0	0	X	X	0
1	0	1	0	1	1	1	0	0	X	0	1
1	0	1	1	0	1	1	0	1	0	0	1
1	1	0	0	0	0	1	1	1	0	1	0
1	1	0	1	1	1	1	1	0	X	0	X
1	1	1	0	0	0	1	1	1	0	1	0
1	1	1	1	1	0	1	1	0	X	1	0

RS:

q_1	q_2	r	s
0	0	X	0
0	1	0	1
1	0	1	0
1	1	0	X

$Y_1 = q_1$
 $Y_2 = q_2$

$r_1 = q_1 q_2 \bar{x}_1 \bar{x}_2 \wedge \bar{q}_1 \bar{q}_2 x_1 x_2$
 $s_1 = \bar{q}_1 \bar{q}_2 x_1 \bar{x}_2 \wedge \bar{q}_1 q_2 x_1 x_2$
 $r_2 = q_2 \bar{x}_2 \wedge q_2 x_1$
 $s_2 = \bar{q}_2 x_1$

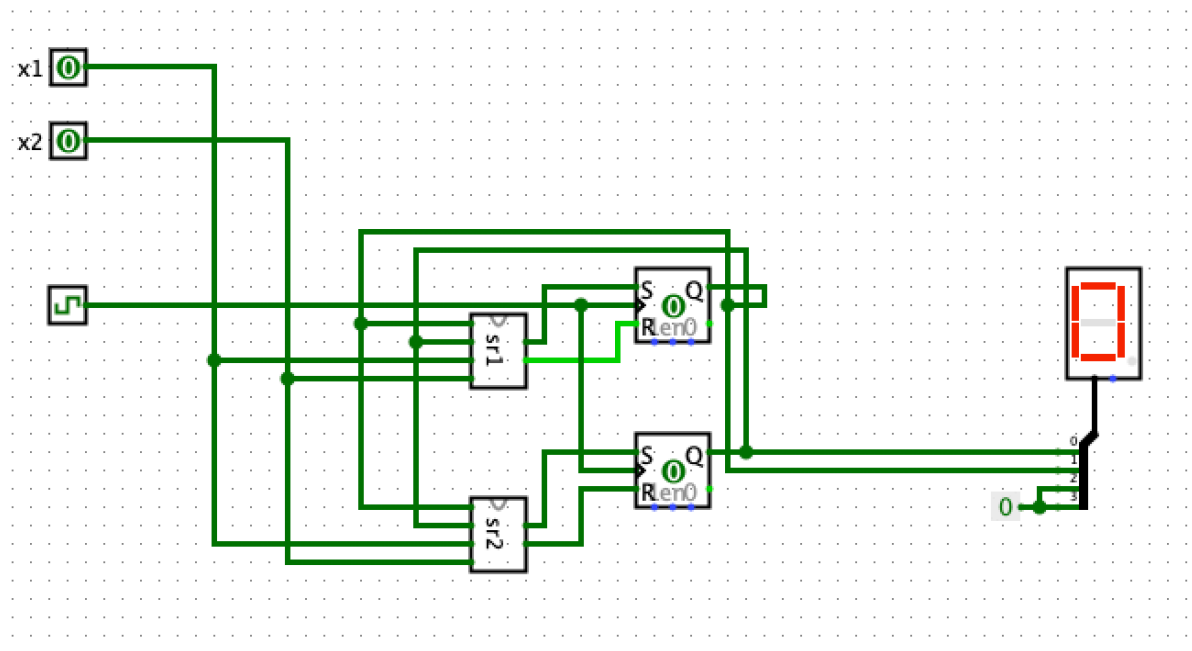
k_1 : q_1

s_1 : q_2

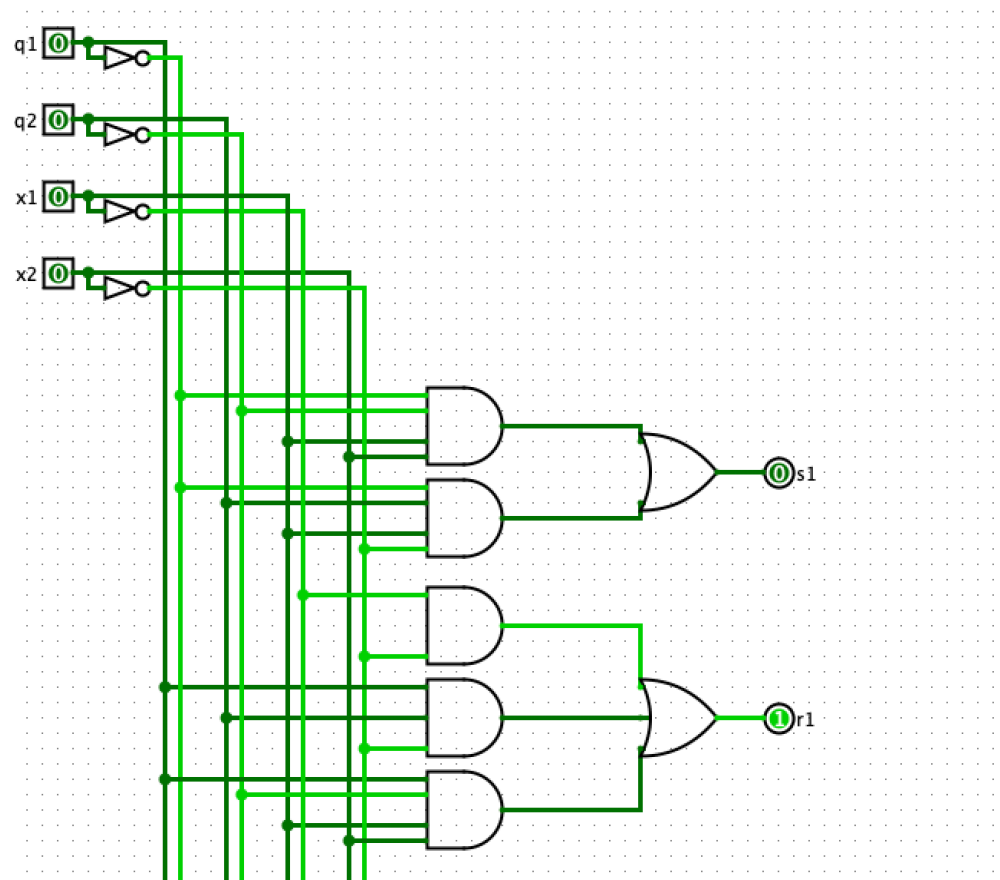
k_2 : q_2

s_2 : q_1

Vezje:



sr1:



sr2:

