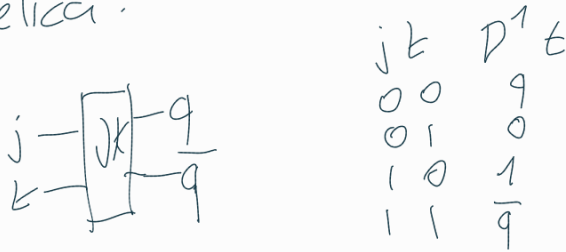


# DOMNICA NITEL in DOMNICA NE CELICE

— prvo uvo sem manipuliral.

ovrvi celice: RS, D, T, JK.

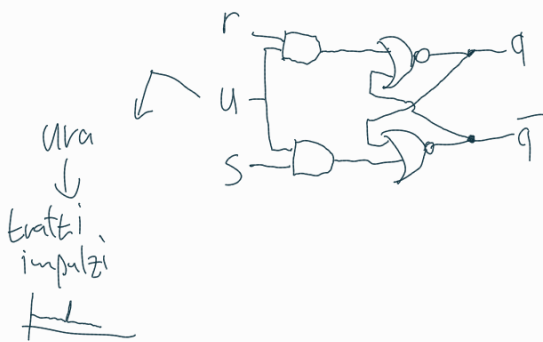
• JK celica:



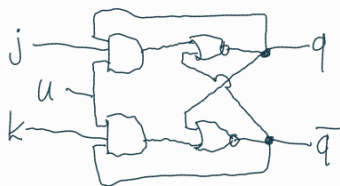
RS težava: negacija (1,1) ima črtno izhodno stanje  
 kot oscilacijo.

uvodeno uvo.  $\Rightarrow$  negacija se zgodi na  
 uvin impulz.

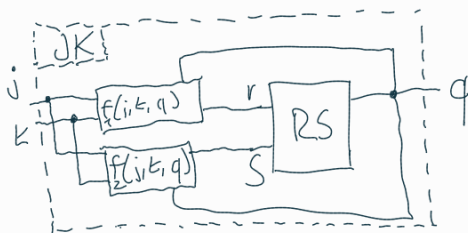
HEMA sinhrovne RS:



HEMA sinhrovne JK:



Realizacija JK z RS:



RS tabela:

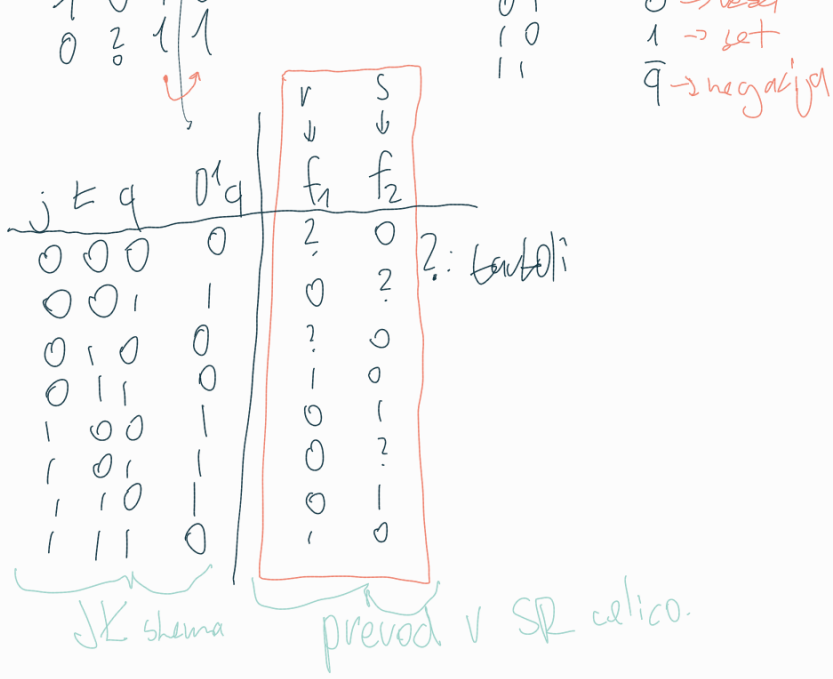
r	s	D' q
0	0	q
0	1	1
1	0	0
1	1	undefined

HEMA prehodov RS:

r	s	q	D' q
1	1	0	0
0	1	0	1
1	0	1	0

Pravilnostna tabela JK:

j	k	D' q
0	0	q $\rightarrow$ pomnjenje
0	1	1 $\rightarrow$ reset
1	0	0 $\rightarrow$ set
1	1	q $\rightarrow$ pomnjenje



keitcher diagram

$f_1(r, s, q)$

$k$	$q$
0 1 1 ?	
0 0 0 ?	

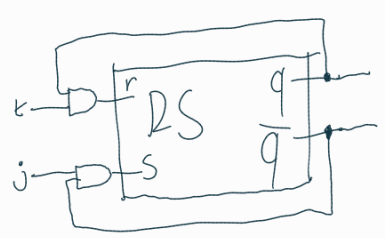
$f_2(r, s, q)$

1 0 0 0
1 x y 0

$f_1(j, k, q) = kq$

$f_2(j, k, q) = j \cdot \bar{q}$

Realizacija



RS S T celico

Quan. tabela za T:

$t$	$D^1 q$
0	$q$
1	$\bar{q}$

prav. tabela za RS.

$r$	$s$	$D^1 q$
0	0	$q$
0	1	1
1	0	0
1	1	undefined

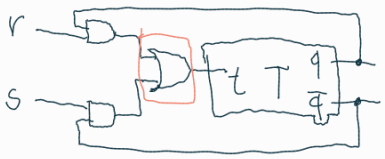
HEMA



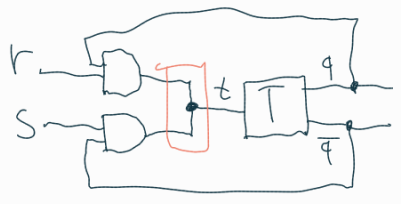
$r$	$s$	$D^1 q$	$f(q, r, s)$
0	0	$q$	0
0	1	1	$\bar{q}$

1 0 0 1  
 1 1 } undefined

$$f(q,r,s) = \bar{r}s\bar{q} \vee r\bar{s}q = r\bar{q} \vee s\bar{q}$$

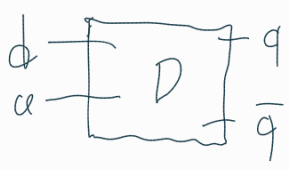


lahko postavimo, ker r in s vidav kleti vista 1:

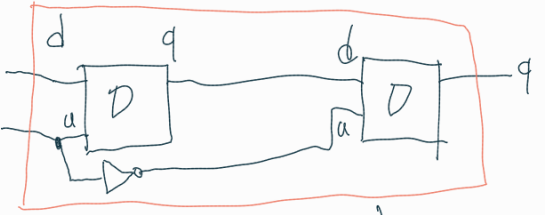


Pomnilna celica s PREDPOMNENJEM.

sinhrona D pom. celica: — „latch“ oz. „zatic“.

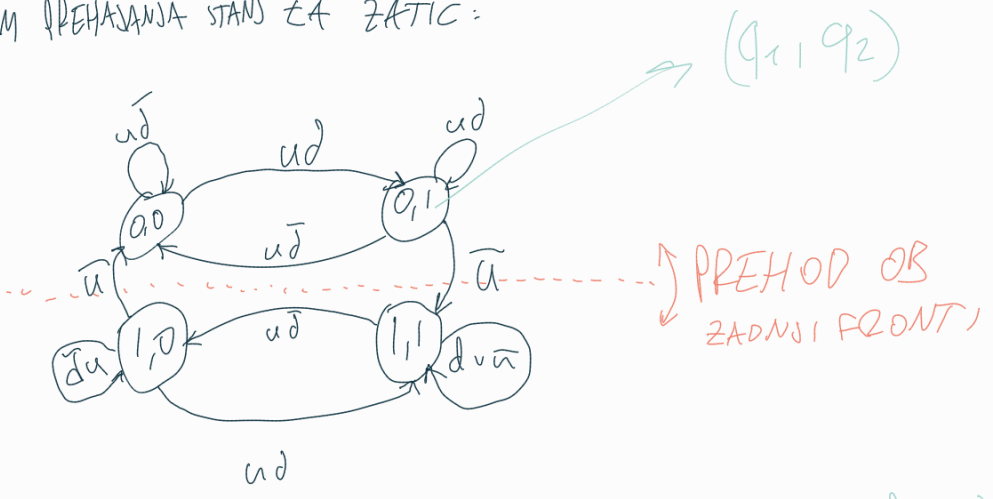


a	D <sup>1</sup> q
0	q
1	d

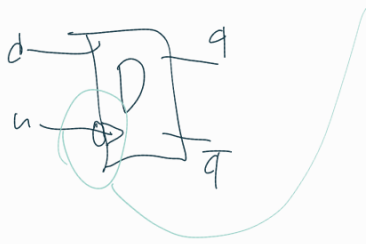


Pomnilna celica s predpomnjenjem spremenilni izhod do zadnji fronti.

DIAGRAM PREHODANJA STANJ ZA ZATIC:



simbol: — oznake vhodov:



→ pun fronte

→ zalupa fronte

→ os visoti logični uvednosti

→ os nizki logični uvednosti

