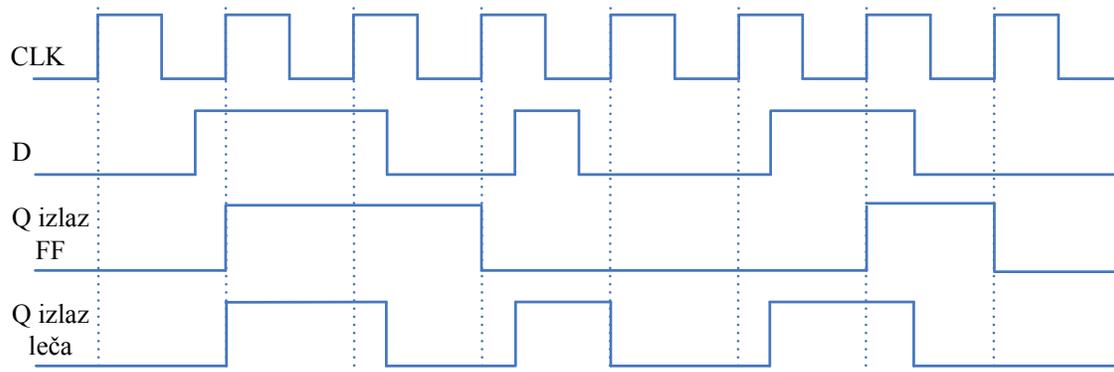


Vježbe V

D flip flop i D leč

1. Nacrtati vremenski dijagram na izlazu D flip flopa i D leča. Ulaz je dat na slici.



D flip flop:

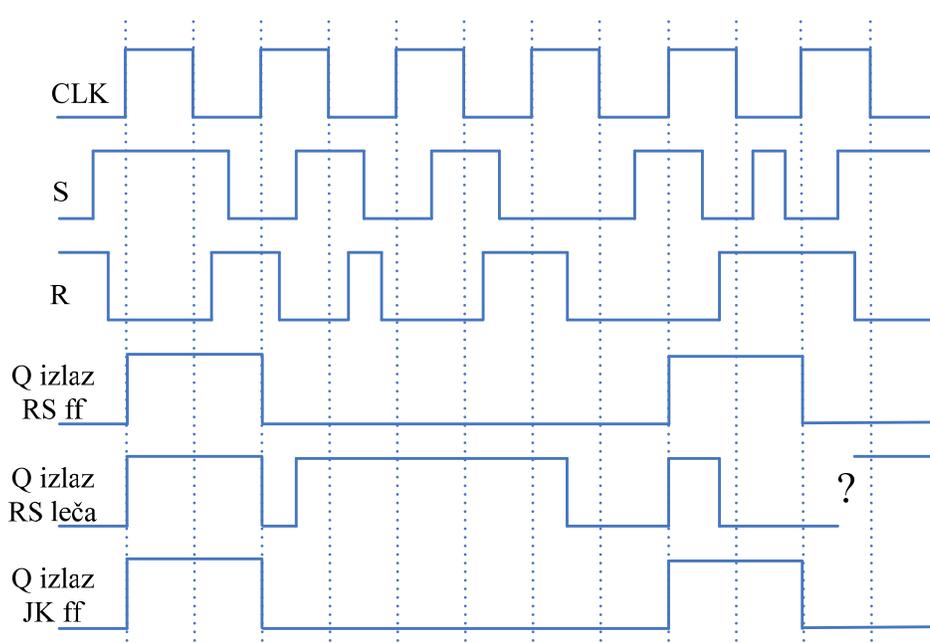
D	Q_s	Q_{s+1}
0	0	0
0	1	0
1	0	1
1	1	1

D leč:

C	D	Q_{s+1}
0	x	Q_s
1	0	0
1	1	1

RS flip flop i RS leč; JK flip flop

2. Nacrtati vremenski dijagram na izlazu RS flip flopa i RS leča. Ulaz je dat na slici. Zamijeniti ulaz S sa J i R sa K, pa za te ulazne vrijednosti naći izlaz iz JK flip-flopa.



RS flip flop:

S	R	Q_s	Q_{s+1}
0	0	0	0
0	0	1	1
1	0	0	1
1	0	1	1
0	1	0	0
0	1	1	0
1	1	0	?
1	1	1	?

JK flip flop:

J	K	Q_{s+1}
0	0	Q_s
0	1	0
1	0	1
1	1	$\overline{Q_s}$

RS leč:

C	S	R	Q_{s+1}
0	x	x	Q_s
1	0	0	Q_s
1	1	0	1
1	0	1	0
1	1	1	?