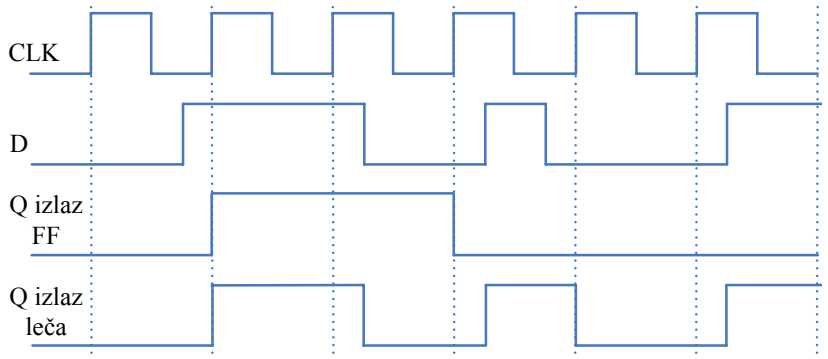
Vježbe IV

Vremenski dijagrami flip-flopova i lečeva

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



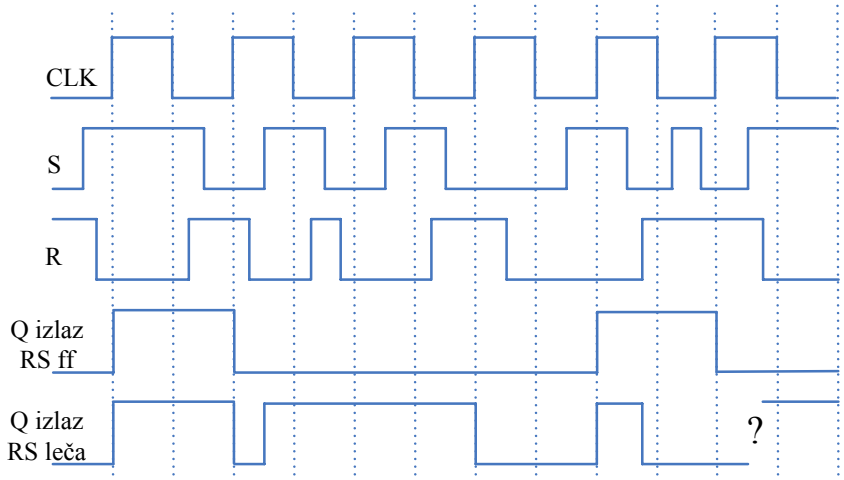
D flip flop:

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

2. Nacrtati vremenski dijagram na izlazu RS flip flopa i RS leča. Ulazi su dati na slici.



RS flip flop:

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

RS leč:

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