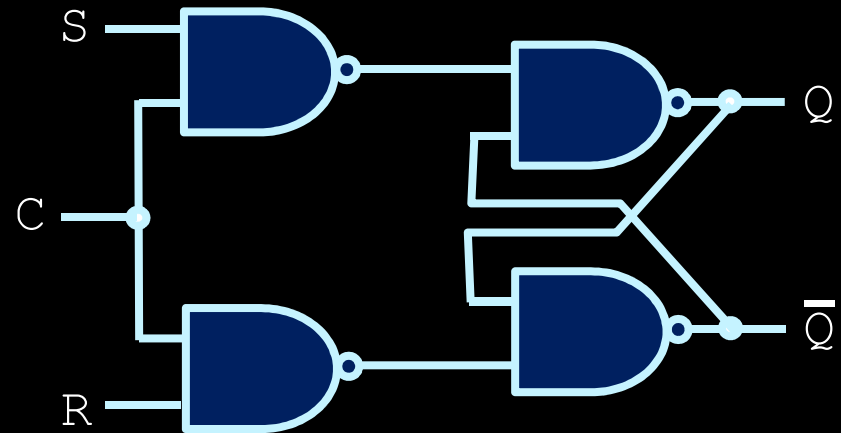




Week 4 Review

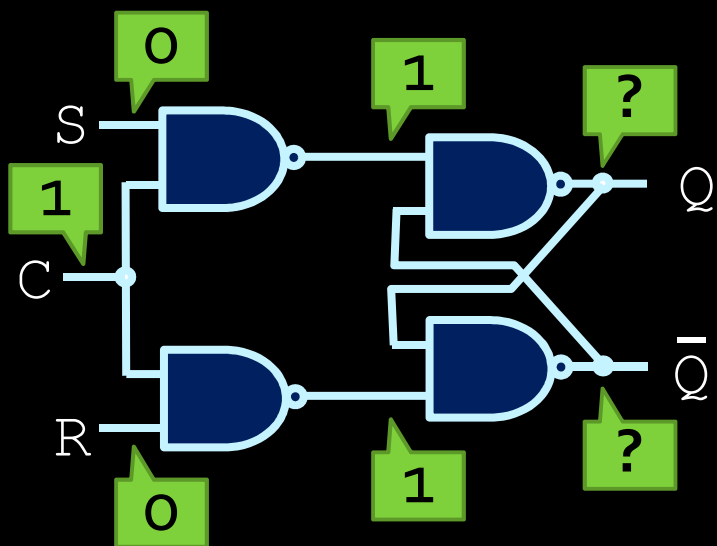
Question #1

- What are the output values from Q and \bar{Q} given the following inputs on S , R and C ?

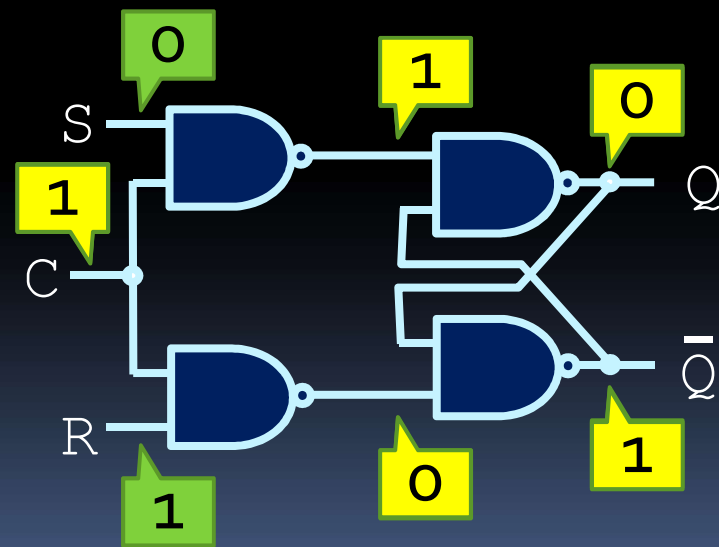
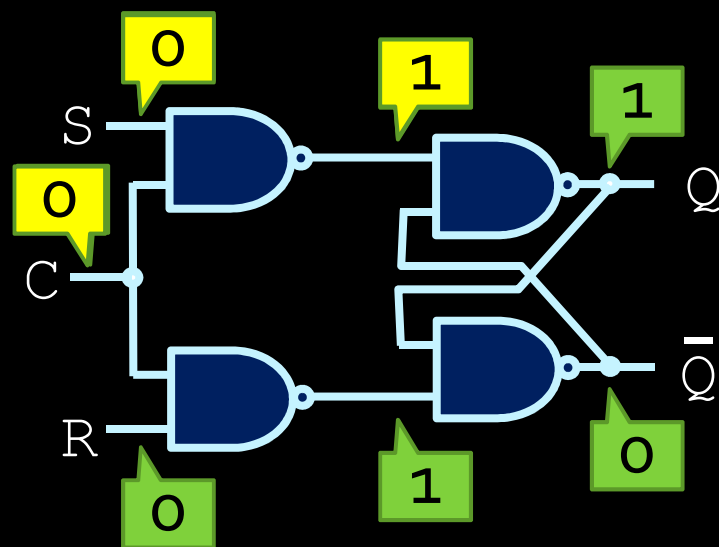


Time

S	R	C	Q	\bar{Q}
0	0	1		
1	0	1		
1	0	0		
0	0	0		
0	1	0		
0	1	1		

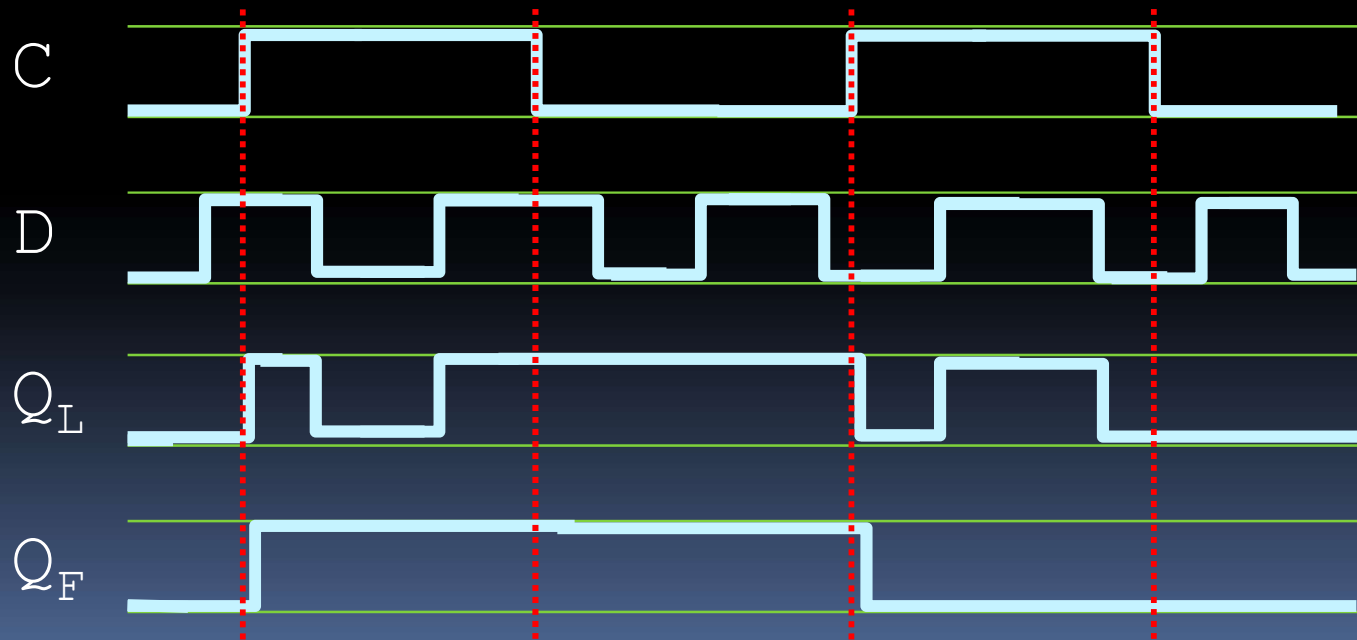
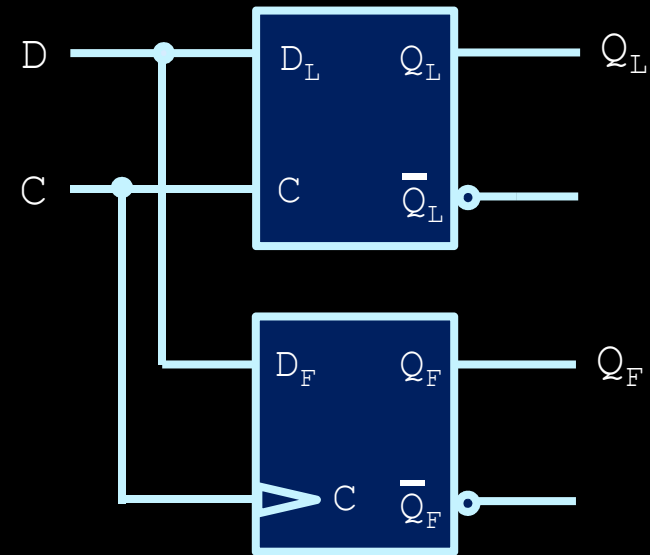


S	R	C	Q	\bar{Q}
0	0	1		
1	0	1		
1	0	0		
0	0	0		
0	1	0		
0	1	1		



Question #2

- Given the circuit on the right and the input waveform below, what will the outputs be on Q_L and Q_F ?
 - What other info do you need?



Question #3

- Assuming the Q outputs of both flip-flops start off low, what will the value of X & Y be over the next few clock cycles?
 - also assume positive edge trigger.

