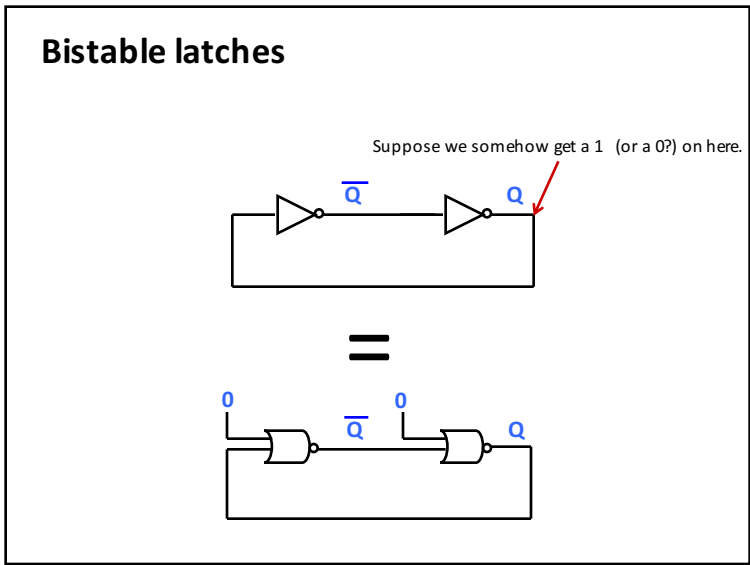


Latches, Flip-flops, and Registers

Sequential logic: fundamental elements to store values
Output depends on inputs *and* stored values.

(vs. combinational logic: output depends only on inputs)



SR latch

S	R	Q	Q'	Q (stable)	Q' (stable)
0	0	0	0	?	?
0	0	0	1	0	1
0	0	1	0	1	0
0	0	1	1	?	?
1	0	?	?	1	0
0	1	?	?	0	1

