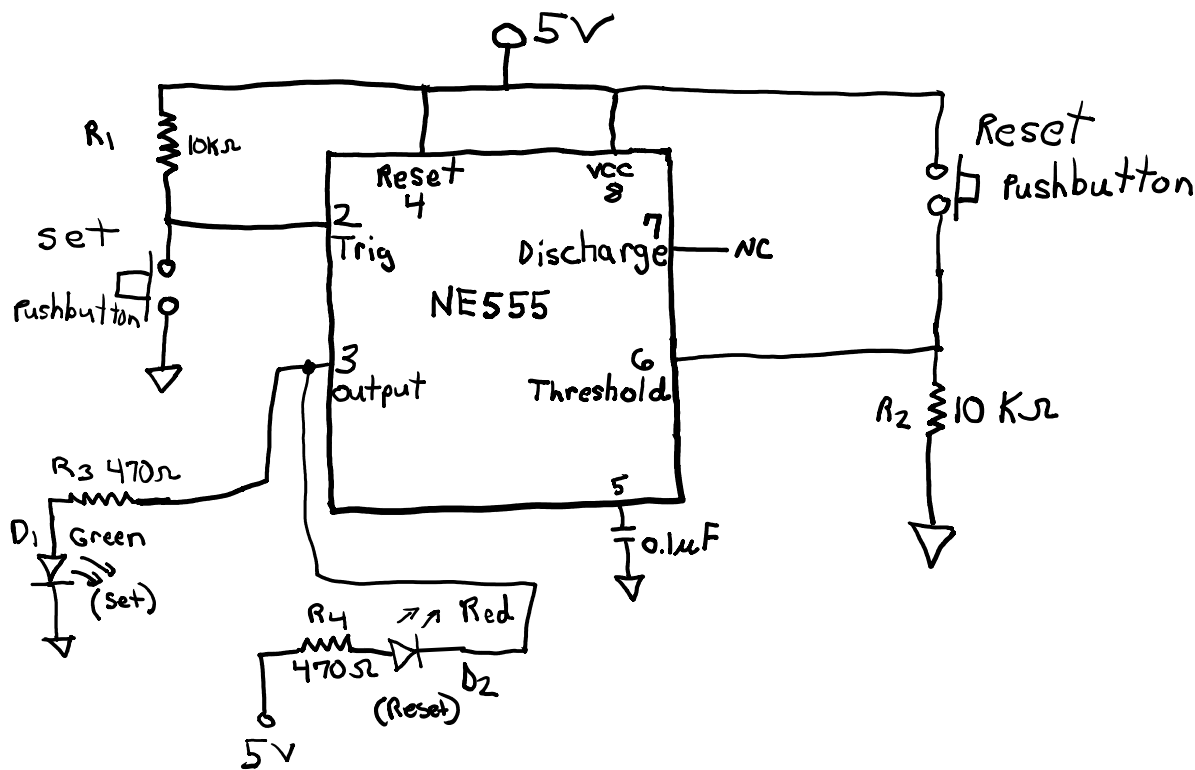
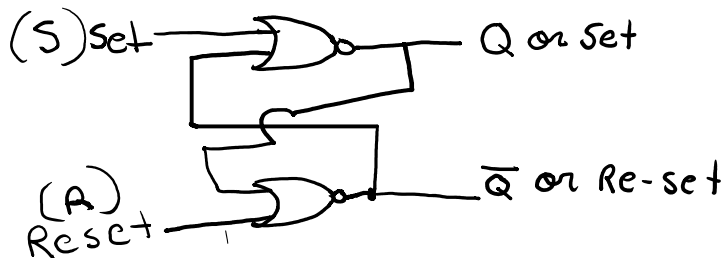




The 555 timer bistable functionality is similar to two cross coupled NOR gates to form an SR Latch. This is not representative of the internal 555 circuitry.

SR Latch



SR latch Truth Table

S	R	Q	Q̄		
0	0	NC	NC	Hold	Remains prev state
0	1	0	1	Reset	Low
1	0	1	0	Set	High
1	1	0	0	Not used	Not used

↑ invalid



NOR Gate Truth Table

A	B	OUT
0	0	1
0	1	0
1	0	0
1	1	0