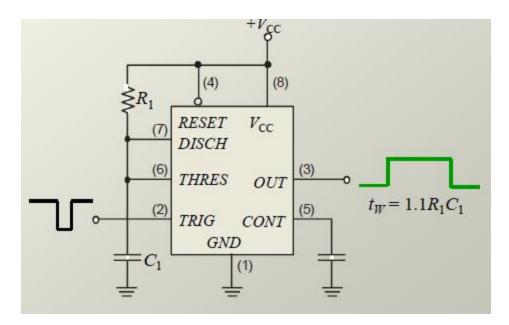
555 Timer and Counter in Proteus

555 Timer

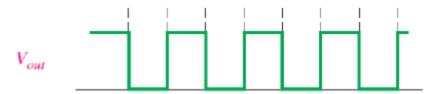
• Monostable or one-shot Timer

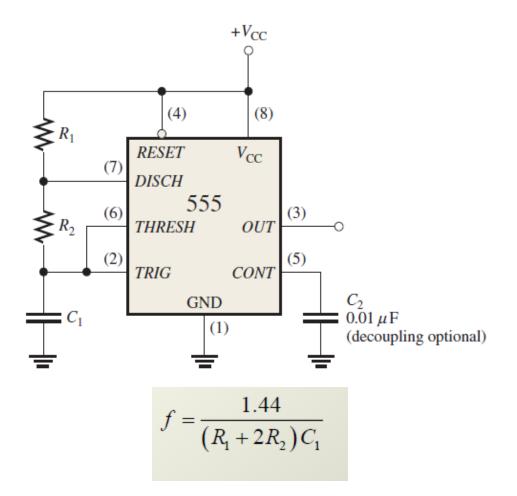
The pulse width is determined by R1C1 and is approximately $t_W = 1.1R1C1$.



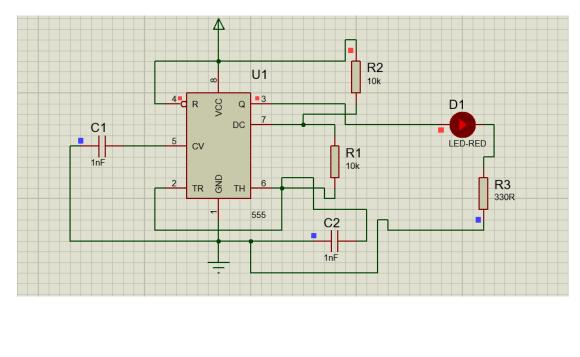
• Astable Timer

An astable is a device that has no stable states. The resulting output is **typically a square wave that is used as a clock signal** in many types of sequential logic circuits.

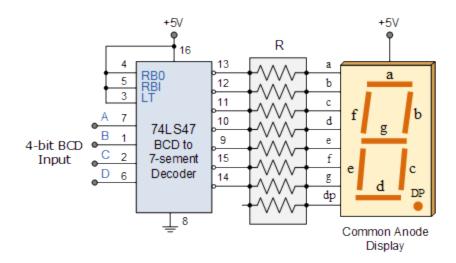




• 555 Timer in proteus

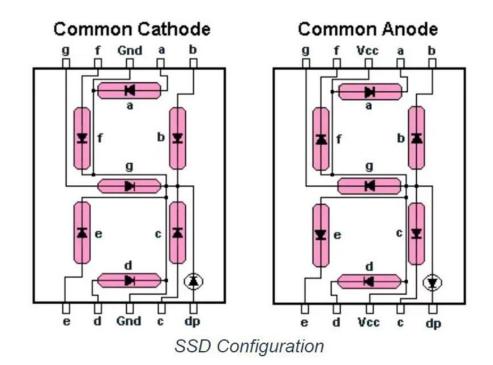


Counter in Proteus (74LS90)

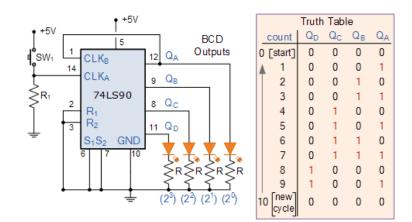


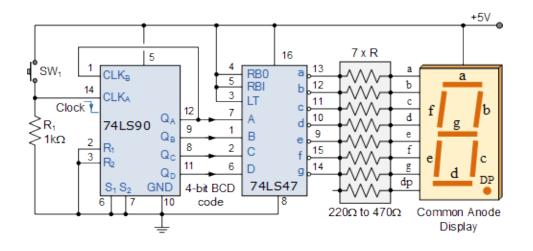
Decoder and 7 segments

- 74ls47,7 segment anode
- 74ls48, 7segment cathode



74LS90 BCD Decade Counter





• Counter in proteus (74LS90)

