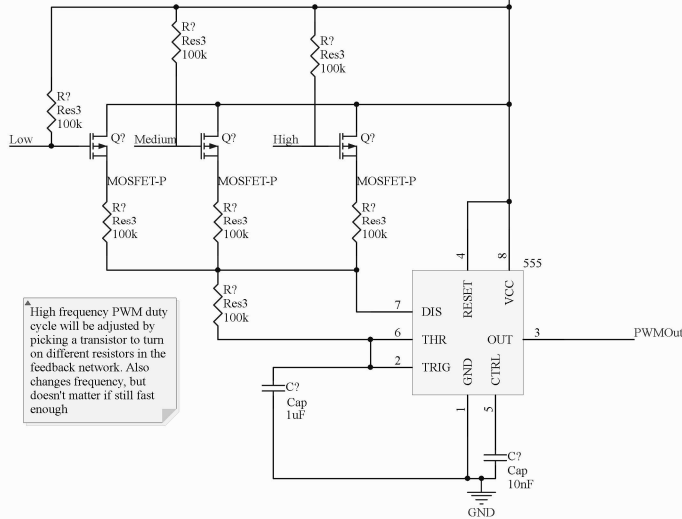
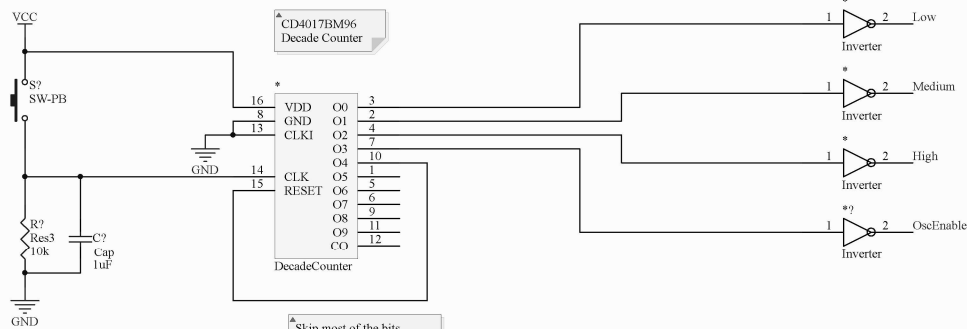
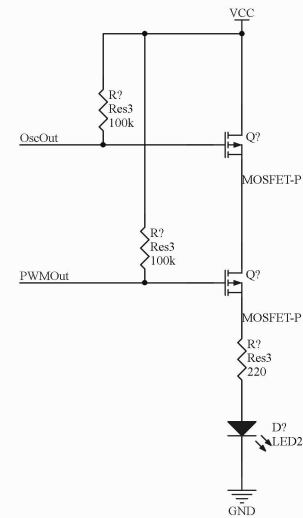


Still need to test on breadboard to find reasonable (different) values

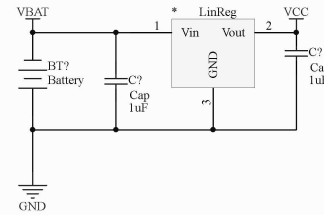
$f = 1/(0.693 * 2 * R * C)$ Hz = 2
https://www.electronics-tutorials.ws/waveforms/555_oscillator.html
 Let C = 1 uF and then R must be 360750 (or just go with 360 kohm)



High frequency PWM duty cycle will be adjusted by picking a transistor to turn on different resistors in the feedback network. Also changes frequency, but doesn't matter if still fast enough



Skip most of the bits. Reaching output 4 resets everything to zero when high



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