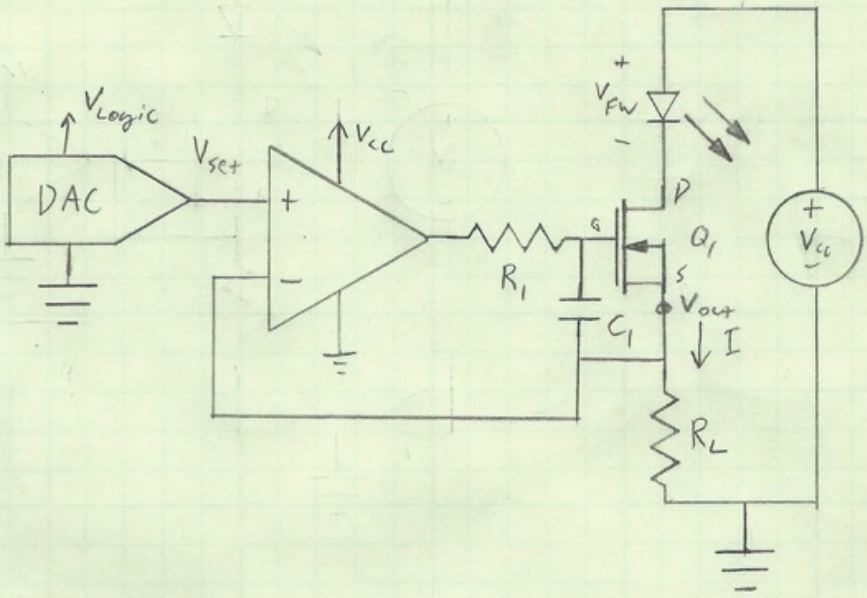
constant current LED Driver	Project Calypso	Bobby Schulz 5/11/2018

$C_1 = 100nF$
Any small (<1MF) cap should work to slow system & compensate miller effect to boost stability

R_1 & C_1 Added for Low speed Amplifier Stability

$R_1 = 220\,\Omega$ (Any Low value from 100Ω to a few 100Ω will work)



$I = \frac{V_{set}}{R_L}$ → OPAMP Forces V_{set} & V_{out} to be Driven to the same value By varying the operation of Q_1 in triode Region

MAX Current:

$I_{max} = \frac{V_{Logic}}{R_L}$ → to make system intrinsically safe

$R_L = \frac{V_{cc} - V_{FW}}{I_{max}}$ ← in General this equation will be Limiting factor for LED, By check V_{Logic} equation to make sure this