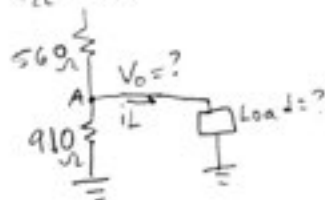


Prelab 2: Voltage Regulator

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Feb 2nd, 2022

P1

$$V_{CC} = 10 \text{ V}$$



$$V_{TH} = V_{AB} = \frac{10(910)}{560 + 910} = 6.19 \text{ V}$$

$$R_{TH} = \frac{560}{1910} = 346.67 \Omega$$

Plug in $\rightarrow V_0 = 6.19 - (346.66)(i_L)$

i_L [mA]	0	1	2	3	4	5	6	7	8
V_0 [V]	6.19	5.84	5.50	5.15	4.81	4.46	4.11	3.77	3.42