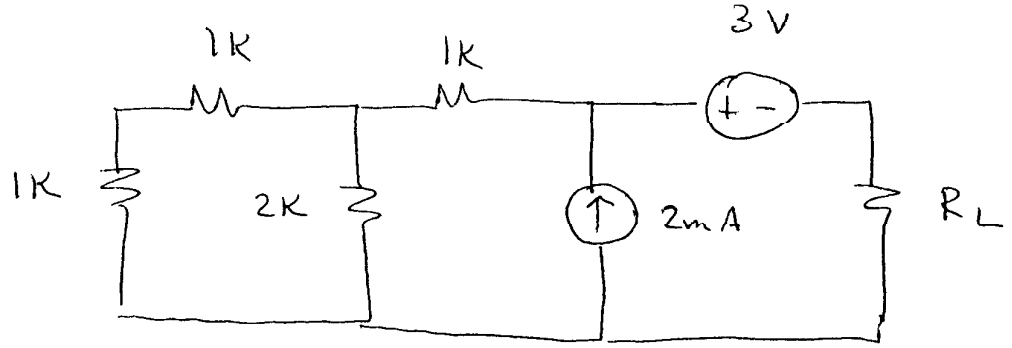
ECE 210 Q6 F'00 10/17/00

NAME: KEY

Honor Code:

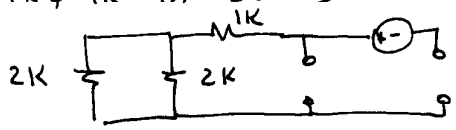
Find the thevenin equivalent for the following circuit.



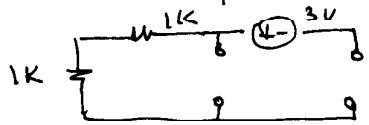
$R_{TH} = 2000\ \Omega$

$V_{TH} = 1$ Volt

R_{TH}: 1K & 1K in series

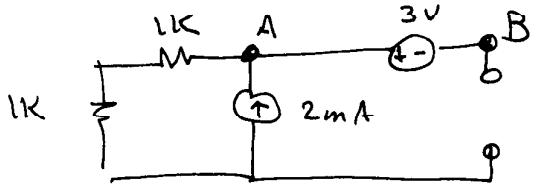


2K & 2K in parallel



$R_{TH} = 2K$

V_{oc}: use circuit simplification



$\frac{A}{2} - 2 = 0 \quad A = 4V$

$B - A = 3 \quad B = 1V$

$V_{oc} = 1V$