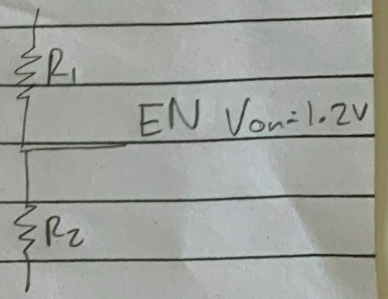
$V_{BS} = 4$ V ← Threshold for battery depletion

$$V_{startup} = \left(\frac{1.2V}{R_2} + 1.2\mu A\right) \times R_1 + 1.2V$$



choose $R_2 = 100k$

$$V_S - 1.2 \Big/ \left(\frac{1.2V}{R_2} + 1.2\mu A\right) = R_1$$

$R_1 = 212k = 220k$
$R_2 = 100k$
$V_S = 4.1V$

Component selection:

Catch Diode

$$I_{Diode} = \left(1 - \frac{V_{out} + V_D}{V_{in} + V_D}\right) \times I_{LOAD(max)}$$

$I_{LOAD(max)}$ 3C for ~~nimAh~~ so $3 \times 2300mAh = 6.9A$
Back max ⇒ 2A

at $I_{LOAD} = 2A$ $V_D = 0.4V$

$$I_{Diode} = \left(1 - \frac{5}{6} + \frac{0.4}{0.4}\right) \times 2A$$

$= 0.3125$ ← fin for $I_{max,Diode} = 4A$ ✓