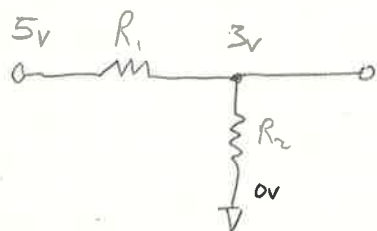
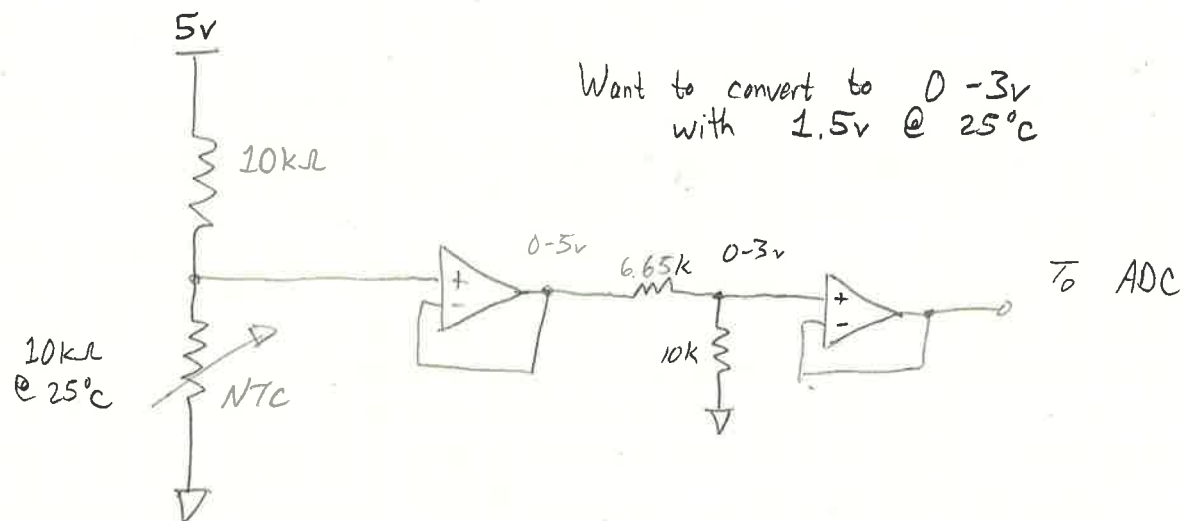


HTM2500 Temp Scaling Circuit

0 to 5v nominal output with a 10k Ω pullup.
 $\longrightarrow$ 2.5v @ 25 $^{\circ}$ C



$$\frac{5V - 3V}{R_1} - \frac{3V}{R_2} = 0$$

$$\frac{2V}{R_1} = \frac{3V}{R_2}$$

$$2V R_2 = R_1 3V \quad R_1 = \frac{2}{3} R_2$$

$$R_1 = 6.65 \text{ k}\Omega$$

$$R_2 = 10.0 \text{ k}\Omega$$