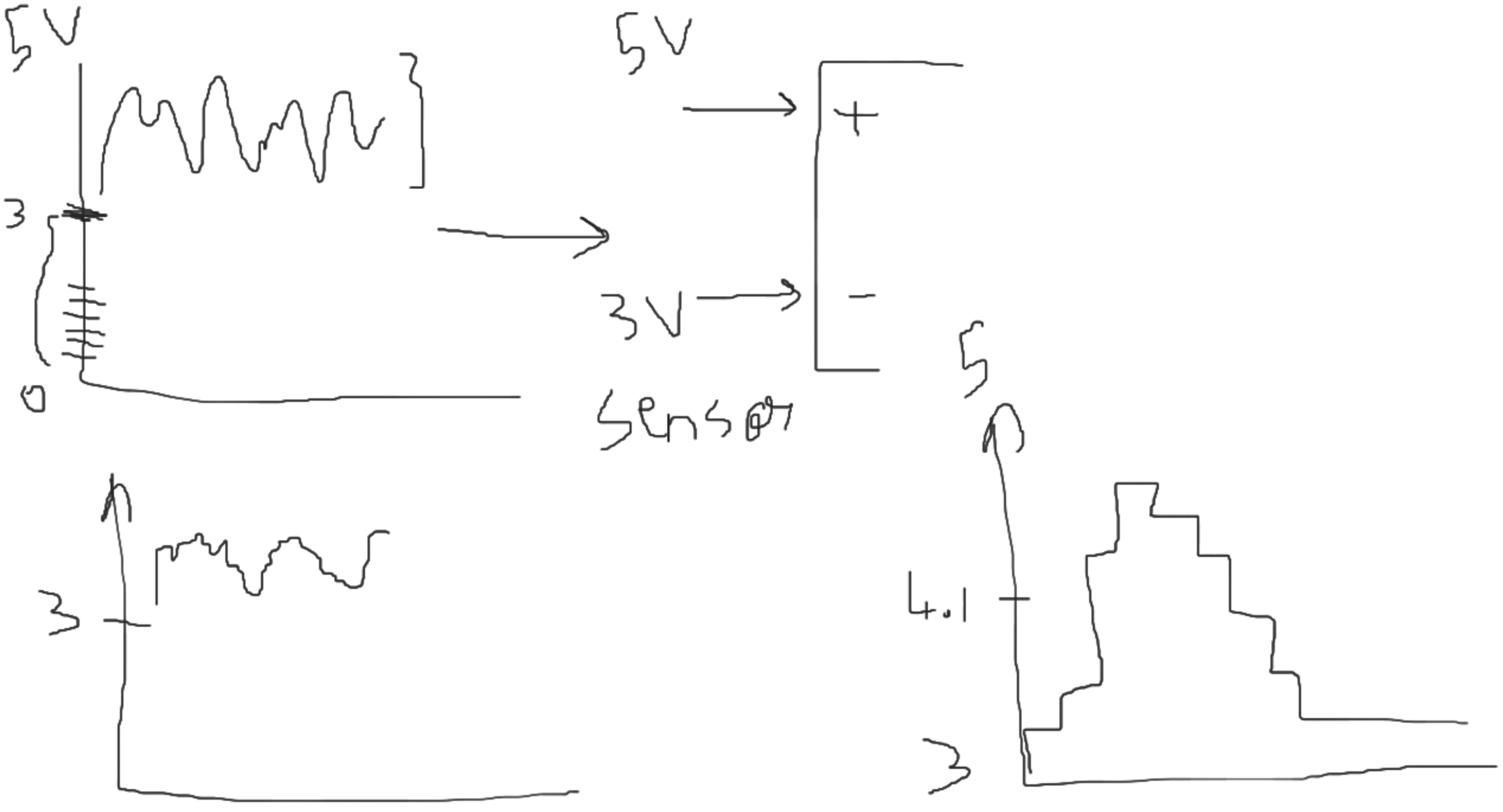
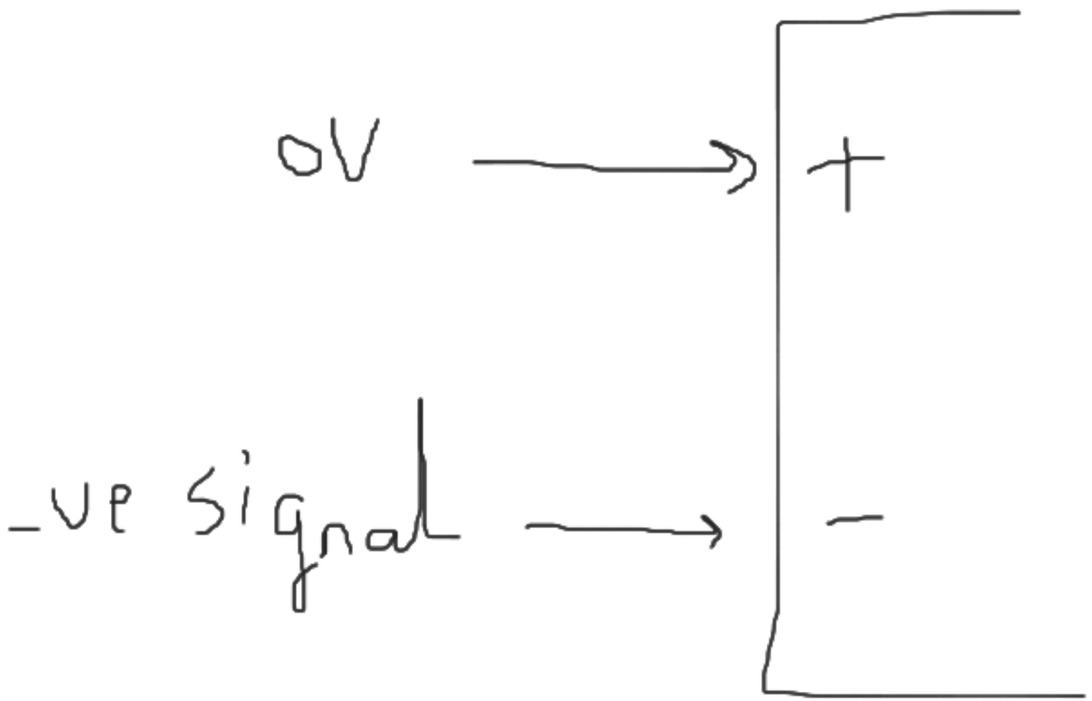
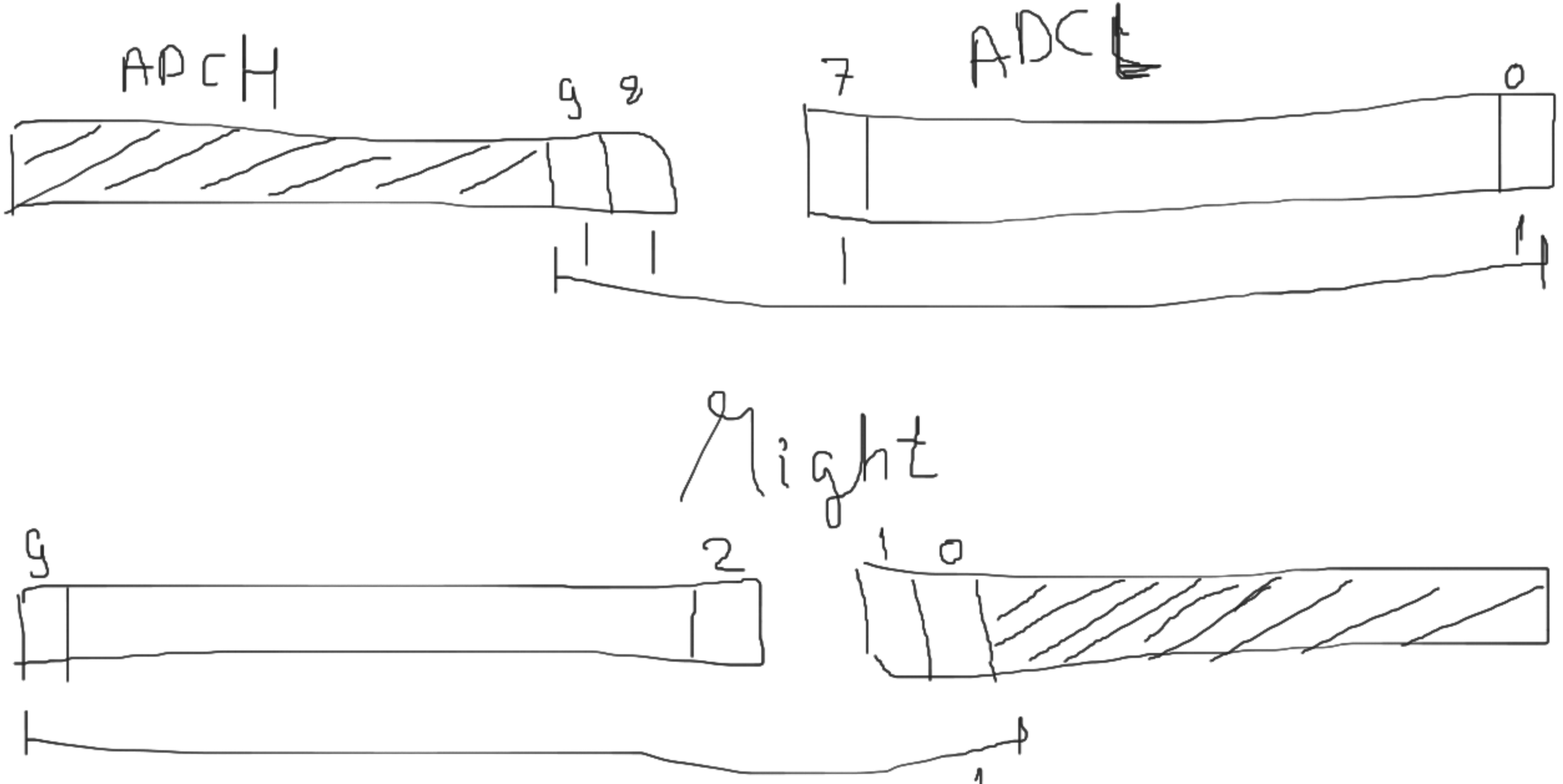
5V
0

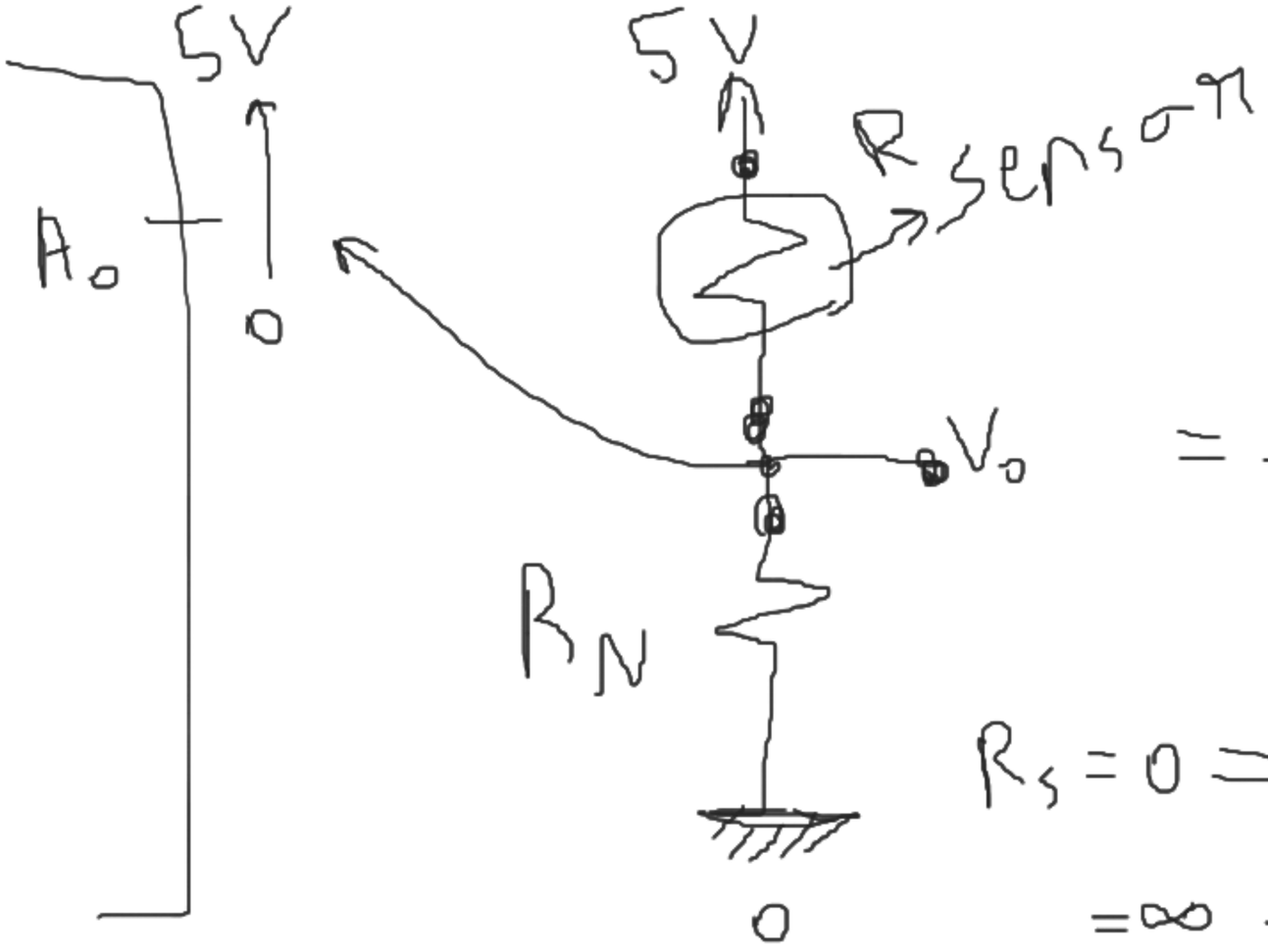

5V
3
0
5V
+
3V
-
Sensor
5
4.1
3



$0 - (-1.5) = 1.5 \longrightarrow$


ADCH
9 8
ADCL
7
0
1
Right
9
2
1 0
Left

8 Bits



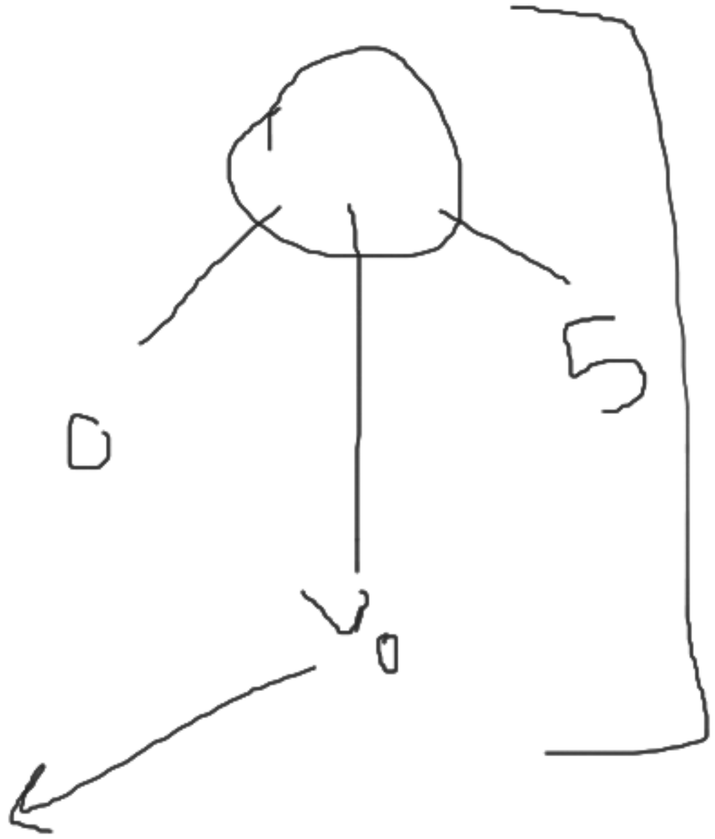
$$V_0 = \frac{5 * R_N}{R_S + R_N}$$

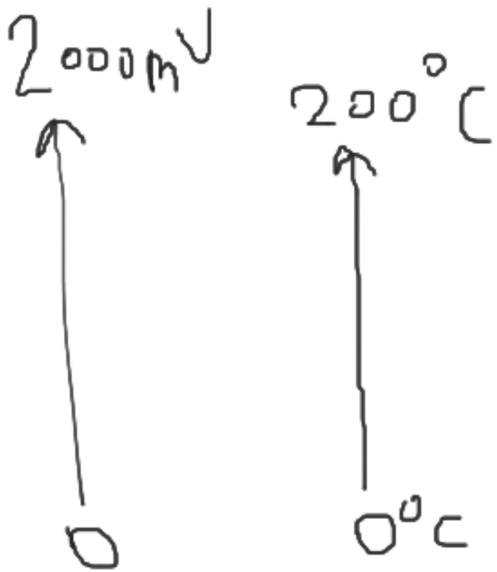
$R_S = 0 \Longrightarrow V_0 = 5$ Volt

$= \infty \Longrightarrow V_0 = 0$ Volt

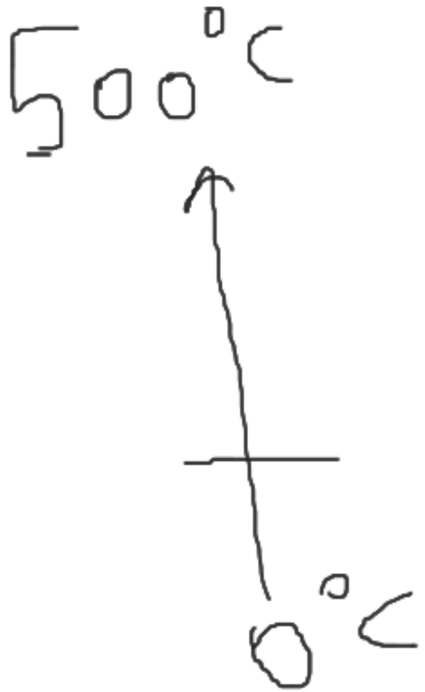
LDR:

Pot:




2000mV
0

200°C
0°C


500°C
0°C

5000mV
0

5V
0

NTC

PTC

$T \propto \frac{1}{R}$

$T \propto R$

$-40 \rightarrow 150$

extremely high

Lam