

## 1. Energy Disaggregation - EXAMPLE

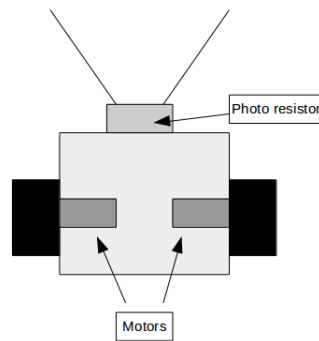
This is where you write the main question

(a) This is where you write part (a)

Hello **Answer:** This is where you write student solutions

**Solution:** This is where you write mentor solutions

(b) This is where you write part (b)



**Answer:** This is where you write student solution

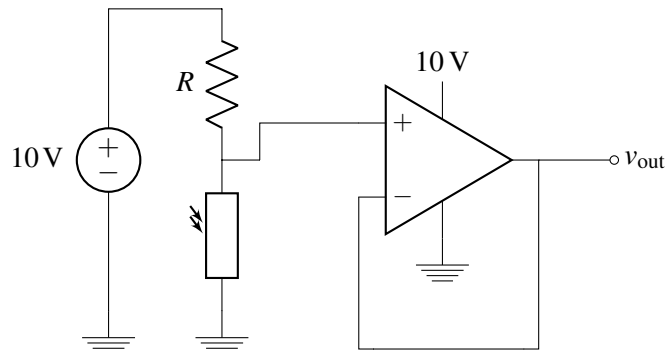
$$x_R = T_1$$

$$x_{AC} + x_{TV} + x_R = T_2$$

$$x_{AC} + x_R = T_3$$

**Solution:** This is where you write mentor solutions.

(c) This is where you write part (c)



**Answer:** Student solution here

$$\alpha_1 \cdot \vec{v}_1 + \alpha_2 \cdot \vec{v}_2 + \cdots + \alpha_k \cdot \vec{v}_k = \vec{0}. \quad (1)$$

Equation 1 is the great equation