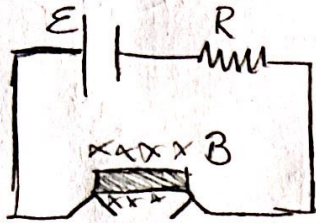


Questão 2



Igor Eiki F. Kubota

R.A: 19.02466-5

$$L = 50 \text{ cm} = 0,5 \text{ m}$$

$$m = 0,75 \text{ kg}$$

$$R = 25 \, \Omega$$

$$B = 0,450 \text{ T}$$

$$F_m = IBL$$

$$mg = IBL$$

$$I = \frac{mg}{BL} = \frac{0,75 \cdot 9,81}{(0,450) \cdot (0,5)} \Rightarrow I = 32,7 \text{ A}$$

$$\mathcal{E} = R \cdot I$$

$$= 25 \cdot 32,7 = 817,5$$

$$\mathcal{E} = 8,2 \cdot 10^2 \text{ V}$$