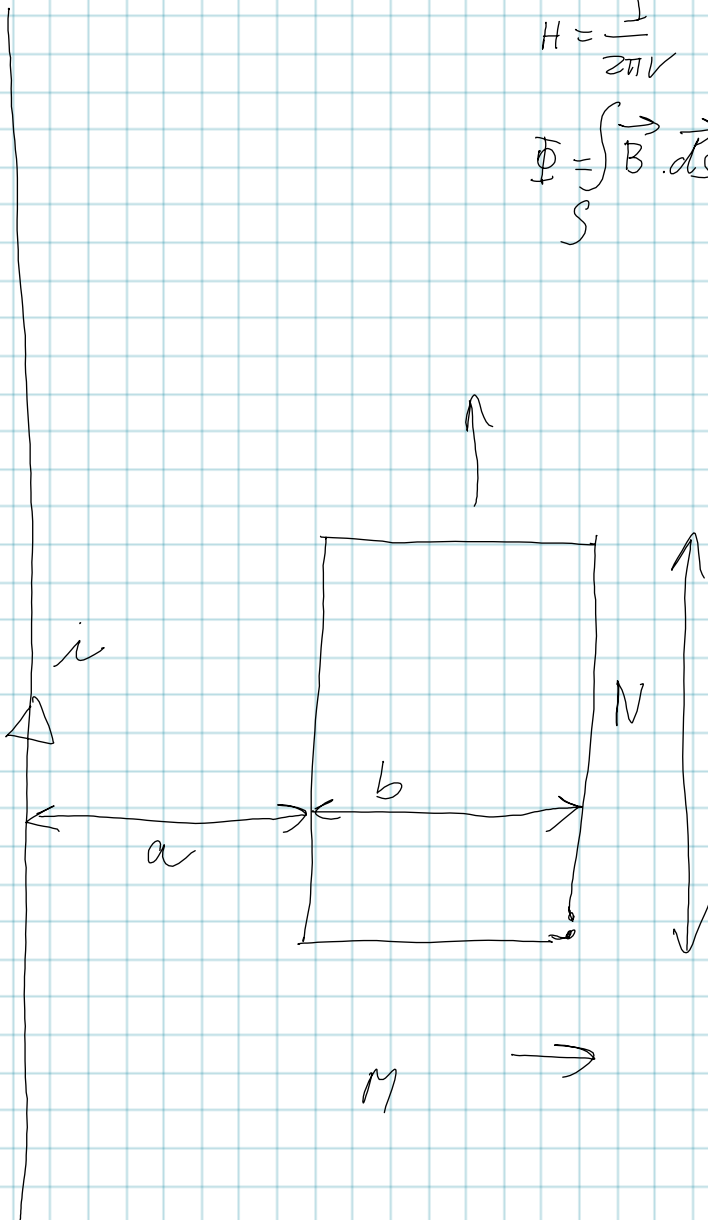


$$M_{12} = \frac{\phi_{12}}{I_1}$$

$$H = \frac{I}{2\pi r}$$

$$\Phi = \int_S \vec{B} \cdot d\vec{S} = \int_a^{a+b} \frac{I \omega}{2\pi r} dr =$$

$$= \frac{I \omega c}{2\pi V} \ln \frac{b+a}{a}$$



S  
C

$$M = \frac{\omega c \ln \left( \frac{b+a}{a} \right) N}{2\pi}$$