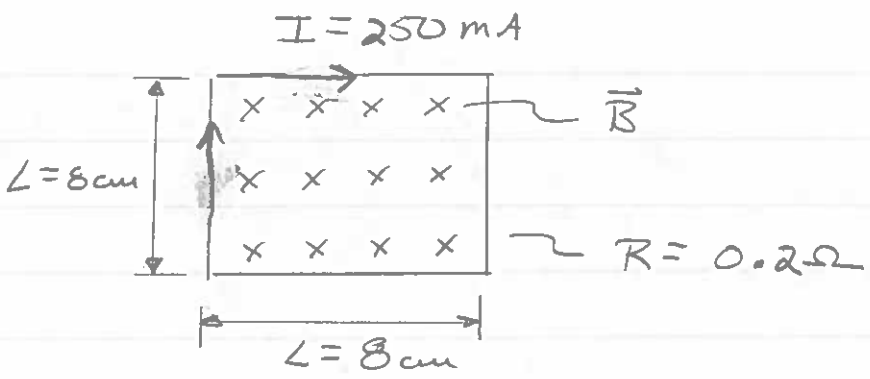


For I cw, $\vec{B}$ ind. in $\otimes$ and reinforces $\vec{B}$;
$\therefore$ $\vec{B}$ must be decreasing

Now, $\mathcal{E} = \left| \frac{d\Phi_m}{dt} \right| = \left| \frac{d}{dt} \int \vec{B} \cdot d\vec{A} \right|$

$= A \frac{dB}{dt} = L^2 \frac{dB}{dt}$

$\therefore$ $\frac{dB}{dt} = \frac{\mathcal{E}}{L^2} = \frac{IR}{L^2} = 7.812 \frac{T}{s}$