$$\varepsilon = \oint (\vec{v} \times \vec{B}) \cdot d\vec{l} \qquad \hat{i} \times \hat{j} = \hat{k} \qquad \oint \vec{B} \cdot d\vec{l} = \mu_0 I + \mu_0 \epsilon_0 \frac{d}{dt} \int \vec{E} \cdot d\vec{A} \qquad \int_a^b \frac{dx}{x} = \ln b - \ln a = \ln \frac{b}{a}$$