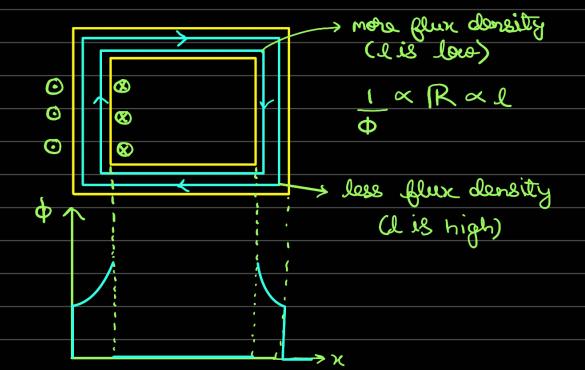
MI

$$\oint_{C} \vec{H} \cdot d\vec{l} = \iint_{S} \cdot d\vec{s} \equiv \text{KNL}$$

The original circuit:

B.ds =0



KCL

-> Transformer:

: no load operation: $V_s(t) = i_s(t)R + \frac{d\psi(t)}{dt} \approx \frac{d\psi(t)}{dt}$ = N. doct If $V_s(t) = V_m \sin \omega t$ $\delta \phi(t) = \frac{1}{N_t} \int V_m \sin \omega t \, dt$ $= - \frac{V_m}{N_i \omega}$ cosot is is not actually sinusoidal!)(大)人 peaky nature of no-load cuspont in transformer is notionation at sub offects of the core Fourier Sories: $i(t) = a_0 + \sum_{n=1}^{\infty} a_n \cos \omega t + \sum_{n=1}^{\infty} b_n \sin \omega t$ $f(\omega t) = -f(\omega t + \tau t)$ $f(\omega t) \rightarrow Half-wave$ (Assuming B-H Course is symmatric) (How.S.)

