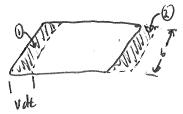


Calculate the Enf induced in
the wive. Assume that the resistance
is high enough that the induced convent
is negligible. Estimate this resistance.

first we need the of flhx change in

consider how much the loop rovers in the oft



the change in flax is d d = -1, + 1.

 $\overline{\Phi}_{1} = B_{1} \cdot b \cdot vdt$   $\overline{\Phi}_{2} = B_{1} \cdot b \cdot vdt$ 

d = (B2-B1) b vdt

 $\frac{dI}{dt} = -(B_1 - B_2) \cdot b \cdot V$   $\mathcal{E} = -\frac{dI}{dt} = (B_1 - B_2) \cdot b \cdot V$   $\mathcal{E} = -\frac{dI}{dt} = (B_1 - B_2) \cdot b \cdot V$ 

 $\xi = \frac{f \circ I}{2\pi} b \vee \left( \frac{1}{x_0} - \frac{1}{x_0 + \alpha} \right)$ 

morery EWKy from

Wire & flax decreasing

& Lenz's 1 EW Skys

I'm will complered the

Change in flux &

induced 18 field will

point up & I

if \{ = IR than R should be ~100. \{ \text{to make}}

I small.