

Inan/2007/Q2

Neglect friction and mass of bars.

State All Other Assumptions.

Bar#1 is moved at constant velocity  $v=1$  m/s

The B-field is everywhere; linearly increases with time

$B_0=1$  wb/m<sup>2</sup>

- 1) How much power is dissipated in  $R_1$  at  $t=2$  s ?
- 2) Does Bar#2 move as a result of the motion of Bar#1?  
If so, in what direction? What speed?

