R S S 8 8 8 8 5(0) = V0 a) · Faraday's Bow E= - 1 Bbdx1 = -1 Bbv denz's Paw: the induced current glows in the direction that counteracts the change of the glux i.e., it glows (anierdock wile The magnetic force on the bar is apposite to the direction of motion. By Ohm's Paw I ind (H) = E(A) = - & Bbv

Find =  $-\frac{1}{Rc^2}b^2vx^2 = ma^2 = mdv^2$ Region of  $F = III \times B^2$ New mins second for