











Sectro magnet! $L(x) = \frac{N^2}{R(x)}, R(x) = \frac{x}{u_0 A},$ $W_m = \frac{1}{2}L(x)i^2 = \frac{i^2}{2} \frac{u_0 A N^2}{x}$ $f = 4 \frac{dW_m}{dx} = -\frac{1}{2} \frac{u_0 A N^2}{x^2} \quad (increasing x)$

magnitule = the number, sign indicates direction

Ap > Ad; f x - A, so Ad has greater force??.

(What does offeeter meen in this case?)