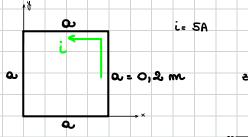
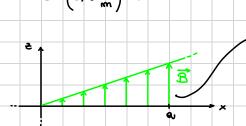
## ESERCIZI SCHEDA 7







Il campo magnetico va da O per x=0 al valore B(a) = de 2 = (0,04 T)2

Sul lab della spisa forto lungo l'assa y il campo magnetico è mullo. > La forza esercitata su qual lato della spira è spari a 0.

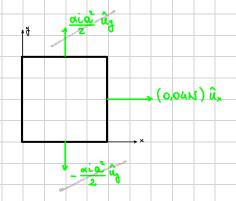
شر ( عدد ) الله على الله عنه عنه الله عنه الله عنه عنه الله عنه الله عنه عنه عنه عنه عنه عنه عنه الله عنه الله

Sul lato pasto sull'asso x: of = ide x dB(x) = (idx) x x (B(x)) & = - (xx idx) g

$$\Rightarrow \overrightarrow{F} = -\left(\int_{0}^{\infty} \operatorname{d}x \, dx\right) \hat{y} = -\operatorname{d}i \left(\int_{0}^{\infty} x \, dx\right) \hat{y} = -\operatorname{d}i \left[\frac{x^{2}}{2}\right]_{0}^{\infty} \hat{y} = -\operatorname{d}i \frac{e^{2}}{2} \hat{y}$$

Analogomente, and labo posselles all'asse x si etiene == di a q

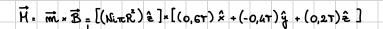
Complexisconnecte si he quirdi:



## ESERCIZIO 2

Br una spira: m = is m = Per una bobina: m = Nishin

ão babina giace sur piaus xy → m̂ = ê → m = Niπ R² ê = (25, 133 Amt) ê



- [(0,67)(NinR²)] (ê × x̂ ) - [(0,47)(NinR²)] (ê × ĝ ) + + [(0,27)(NinR²)] (ê×ê)



