$$\vec{B}$$

$$\vec{B}$$

$$\vec{A}$$

$$\vec{A}$$

$$\vec{B}$$

$$\vec{A}$$

$$\vec{B}$$

$$\vec{A}$$

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$$\vec{B}$$

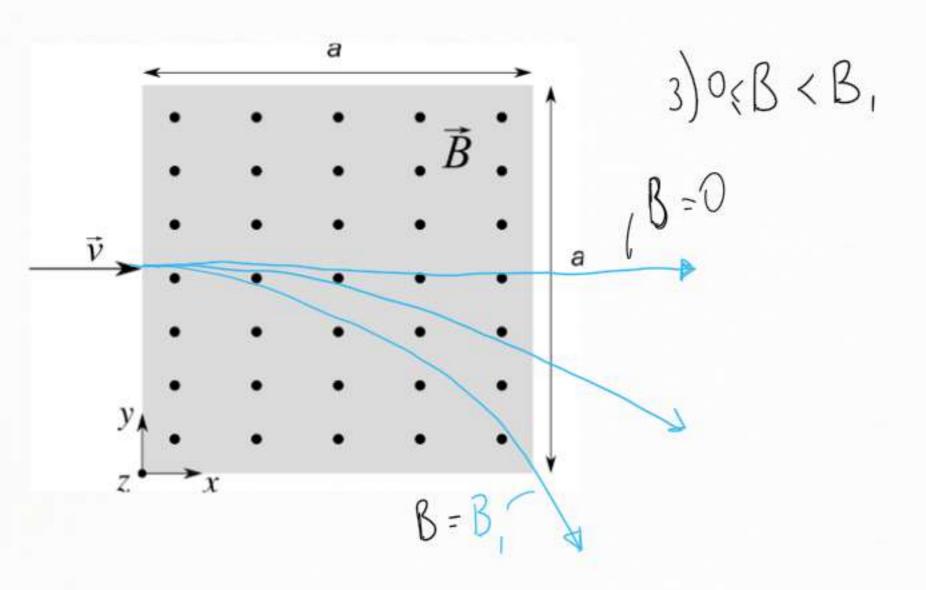
$$\vec{B}$$

$$\vec{A}$$

$$\vec{B}$$

$$\frac{a}{B}$$

2)
$$B_0 > B > B_1$$
 $D_1 = \frac{m v}{q B_1}$
 $D_1^2 = Q^2 + (2_1 - Q_2)^2 = Q^2 + 2_1^2 + Q_4^2 - 2QE$
 $P_1 = Q^2 + Q_4^2 + P_2 = Q_1 = \frac{m v}{q B_1} + P_2$
 $P_2 = Q^2 + Q_4^2 + P_2 = \frac{q}{q} + P_2 = \frac{m v}{q} + P_2 = \frac{q}{q} + P_2 = \frac{q$



SELETIORE

DI VELOCITA

$$\vec{E}$$
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0
 \vec{B}_0

$$E = 2.5 \frac{\text{KV}}{\text{m}}, E / 1 \hat{x}$$

$$B_{0} = 0.035 \text{ T}$$

$$Q = 1.6 \cdot 10^{-19} \text{ C}, m = 2.18 \cdot 10^{-26} \text{ Kg}$$

$$R = 0.28 \text{ m}$$

$$R = 7$$

$$\vec{B}/\hat{t}$$
, $qvB = qEF$ $B = \frac{E}{vEm}$ $R = \frac{mv}{qB}$ $E > v = \frac{RqB_0}{m}$ $E > \frac{RqB_0}{R}$

$$\Delta V$$
 d_1
 d_2
 B

$$9 = 1.6 \cdot 10^{-19} \text{ C}$$
, $\Delta V = 23 V$
 $d_1 = 280 \text{ mm}$, $d_2 = 392 \text{ mm}$
 $m_1 = 3.8 \cdot 10^{-26} \text{ Kg}$
1) $B / / ?$
2) m_2, V_2

$$9\beta = \frac{m_1 v_1}{R_1} = \frac{m_2 v_2}{R_2} \Rightarrow \frac{m_2 v_2}{R_2} \Rightarrow \frac{m_2 v_2}{v_2 = v_1 \frac{R_1}{R_2}}$$

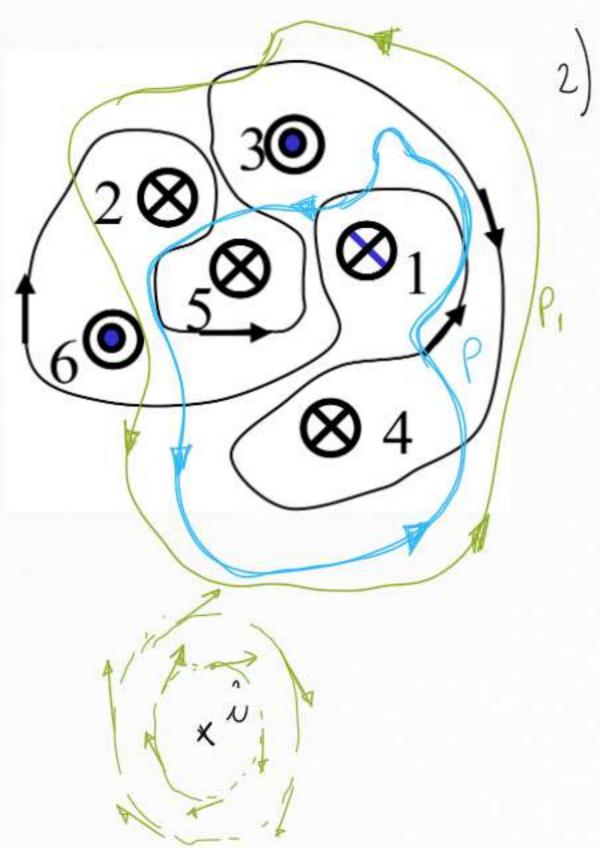
$$M_{2} = M_{1} \left(\frac{R_{1}}{R_{1}} \right)^{2}$$

$$\nabla_{2} = \nabla_{1} \frac{R_{1}}{R_{2}}$$

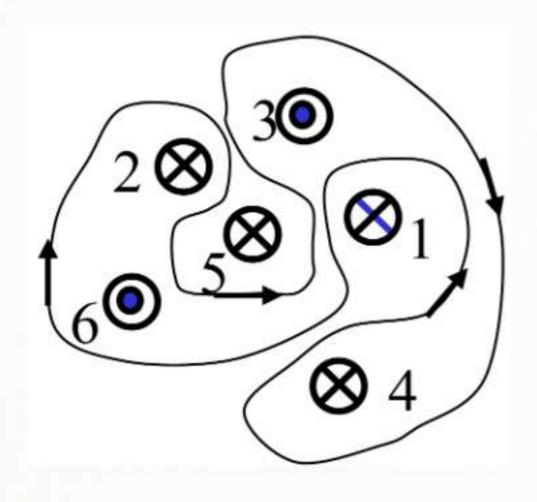
$$4) \oint_{\mathcal{C}} \vec{\beta} \cdot d\vec{s} = ?$$

3) "
$$\frac{1}{\sqrt{3}}$$
 " $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$

1)
$$\int_{C} \vec{B} \cdot d\vec{S} = \mu_0 \sum_{\kappa} i_{\kappa} = \mu_0 \left(i_4 + i_2 - i_3 - i_6 \right) = 0$$



2)
$$P: \oint_{P} \vec{B} - d\vec{5} = -3 \mu \cdot \hat{i}$$



3)
$$P: \oint_{P} \vec{B} \cdot d\vec{5} = \frac{\mu_{n} i}{2}$$
 $P = \text{non enste}!$

t=0 \vec{v} B grenty $\overrightarrow{m}, \overrightarrow{q}$ 3) che compre elettrio bissono seriuneve per for si che la particella son venes devista

9 = 50 m C, m = 20 S B=0.25T,v=8m/s 1) colcolore la distanse a un la portivella esce della regione di comp 2) quanto tempo troscorre all'interno della regione di compo 4) a de tempo brogno megnere B por for ~ de 0 = 30°