

$$\vec{B}_p = \vec{B}_1 + \vec{B}_2$$

$$|B_p| = |B_1 - B_2|$$

$$12 \cdot 10^{-7} = \frac{\mu_0}{2\pi \cdot 50 \cdot 10^{-2}} |I_1 - I_2|$$

$$3 = |6 - I_2|$$

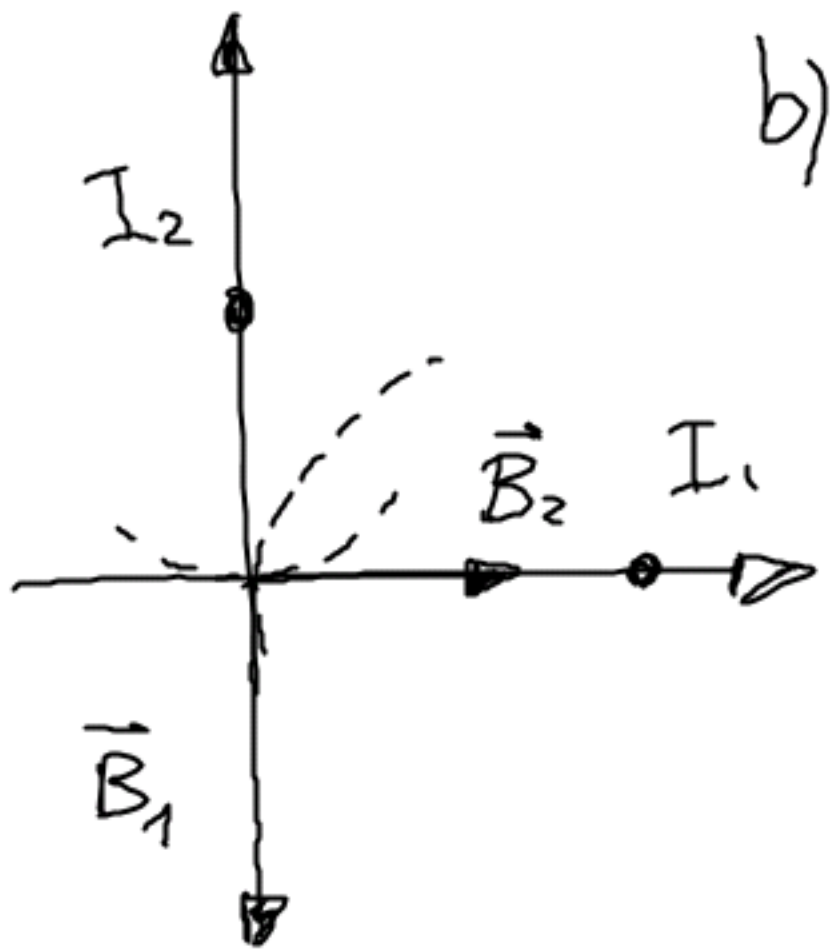
$$\boxed{I_2 = 9A}$$

$$I_1 = 6A$$

$$B = \frac{\mu_0 I}{2\pi d}$$

$$I_2 > I_1$$

$$B_p = 12 \cdot 10^{-7} T$$



$$\vec{B}_0 = \vec{B}_1 + \vec{B}_2$$

$$B_1 = 1,5 \cdot 10^{-6} \text{ T}$$

$$B_2 = 3 \cdot 10^{-6} \text{ T}$$

$$\vec{B}_0 = (3, -1,5) \cdot 10^{-6} \text{ T}$$

$$B_0 = 3,35 \cdot 10^{-6} \text{ T}$$

$$\alpha = 333^\circ$$