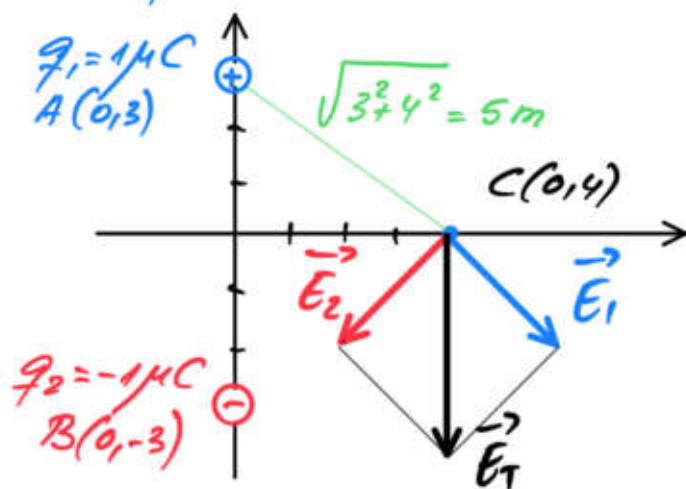


EXERCÍCIO F2BE2683:

a) Si calcular: $\vec{E}_1, \vec{E}_2, \vec{E}_T$



b) $V(4,0) = ?$

$$\begin{aligned} V(4,0) &= V_1 + V_2 = k \frac{q_1}{r_1} + k \frac{q_2}{r_2} = \\ &= 9 \cdot 10^9 \frac{1 \cdot 10^{-6}}{5} + 9 \cdot 10^9 \frac{-1 \cdot 10^{-6}}{5} = 0 \text{ V} \end{aligned}$$

$$\boxed{V(4,0) = 0 \text{ V}}$$

c) $W_{\text{campo}} (\infty \rightarrow (4,0)) = -\Delta U_E =$
 $= -q \Delta V_E = -q (V_{(4,0)} - V_{\infty})$

$$\boxed{W_{\text{campo}} = 0 \text{ J}}$$

$q = 2 \cdot 10^{-6} \text{ C}$
ida igual!

No se realiza trabajo en esta transición.