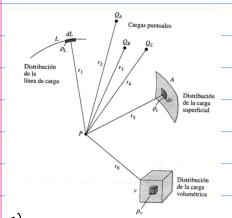
2-



$$\begin{split} r_1 &= 0.55m, r_2 = 0.65m, r_3 = 0.55m, r_4 = 0.60m, r_5 = 0.50m, r_6 = 0.50m, \\ L &= 0.35m, A = 0.03m^2, v = 0.001m^3, \rho_L = 10^{-10}\frac{C}{m}, \rho_S = 10^{-9}\frac{C}{m^2}, \\ \rho_v &= 10^{-8}\frac{C}{m^3}, Q_A = 2 \times 10^{-11}C, Q_B = 8 \times 10^{-11}C, Q_C = 3 \times 10^{-11}C. \end{split}$$

$$\mathcal{F}_{a_A} = q_{\times 10^9} \cdot \frac{2_{\times 10^{11}}}{V_2^2} \vec{a_Y}$$

$$Ea_{A} = 9 \times 10^{9} \cdot \frac{2 \times 10^{10}}{V_{2}^{2}} \overrightarrow{a_{Y}} = 3E_{QB} = \frac{7.2 \times 10^{19}}{V_{2}^{2}} \overrightarrow{a_{Y}} = \sqrt{m^{2}}$$

$$\Rightarrow Fax = \frac{1.8 \times 10^{-19}}{r_2^2} \stackrel{?}{\text{qr}}$$

$$Fac = 9 \times 10^{-9} \frac{(3 \times 10^{-1})}{r_3^2} \vec{ar}$$

$$\Rightarrow Fac = 2,7 \times 10^{-19} \vec{ar}$$

$$Q = \int_{C} -L$$

$$Q = (10^{-10} \frac{C}{M}) \cdot 0.35 m$$

$$Q = 3.5 \times 10^{-10} C$$

$$F_{R} = R \underbrace{Q}_{V_{1}^{2}} \underbrace{Q}_{V_{1}^{2}} = 9 \times 10^{9} \cdot \underbrace{3.5 \times 10^{11}}_{V_{1}^{2}}$$

$$F_{R} = \underbrace{3.15 \times 10^{-19}}_{V_{1}^{2}}$$

$$= \sum_{k=1}^{\infty} \int_{\Gamma_k} \frac{3(15\times10^{-19})}{\Gamma_k^2}$$

$$f_{s} = Q$$
 $\Rightarrow Q = f_{s} \cdot A$
 $Q = (10^{-9} \frac{c}{mz}) \cdot (0.03 m^{2})$
 $Q = 3 \times 10^{-11} C_{s}$

$$\frac{\overrightarrow{F}\rho_s = K \cdot \overrightarrow{G} \cdot \overrightarrow{a_r}}{V_s^2} = \frac{9 \times 10^9}{10^9} \cdot \frac{(3 \times 10^{-11})}{V_s^2} \cdot \overrightarrow{a_r}$$

$$E_{RS} = \frac{2,7 \times 10^{-19}}{V_{S}^{2}} = \frac{3}{4}$$

$$E_{Ar} = K \frac{Q}{r_6^2} \vec{a}_r = \frac{q_{\times 10}^{-9} - 1_{\times 10}^{-1} C}{r_6^2} \vec{a}_r$$

$$E(R) = \frac{1.8 \times 10^{-19}}{r_2^2} + \frac{7.2 \times 10^{-19}}{r_3^2} + \frac{2.7 \times 10}{r_4^2} + \frac{2.7 \times 10}{r_5^2} + \frac{9 \times 10}{r_6^2} + \frac{3.15 \times 10}{r_6^2}$$

$$E(R) = \frac{1.8 \times 10^{-19}}{r_2^2} + \frac{7.2 \times 10^{-19}}{r_3^2} + \frac{2.7 \times 10}{4} + \frac{2.7 \times 10}{r_5^2} + \frac{9 \times 10}{r_6^2} + \frac{3.15 \times 10}{r_1^2}$$

$$E(p) = \frac{1.8 \times (0^{-19} + \frac{7.2 \times 10^{-19}}{(0.65 \text{m})^2} + \frac{2.7 \times 10}{(0.60)^2} + \frac{2.7 \times 10}{(0.50)^2} + \frac{2.7 \times 10}{(0.50)^2} + \frac{3.15 \times 10}{(0.55)^2}$$