Q = 2 × 10 2 M

$$\vec{F} = k \cdot q_R \cdot q \left[ \frac{(1/2, -a)}{|\vec{r}_1|^3} - \frac{(3a, -a)}{|\vec{r}_2|^3} - \frac{(1/2, a)}{|\vec{r}_3|^3} + \frac{(3a, a)}{|\vec{r}_3|^3} \right]$$

$$F_{\times} = k_{1}^{2} + k_{1}^{2} + k_{2}^{2} + k_{3}^{2} + k_{4}^{2} = 0$$

$$F_{Y} = V_{1}^{2} p_{1}^{2} \left[ \frac{2}{(u_{1} o y_{2})^{3}} + \frac{2}{(u_{1} o y_{2})^{3}} - \frac{\alpha}{(u_{1} o y_{2})^{3}} + \frac{\alpha}{(u_{1} o y_{2})^{3}} \right]$$