

$$\frac{1}{\alpha} + \frac{1}{\beta} = \frac{5}{p} \quad s = \frac{v}{\alpha} \quad p = \frac{q\beta}{\alpha} \quad \beta \neq 0$$

$$\alpha \cdot \beta = \frac{q\beta}{\alpha} \quad \alpha = \frac{q\beta}{\beta} = \frac{q}{\alpha}$$

$$\alpha + \beta = \frac{v}{\alpha} \quad \beta = \frac{v}{\alpha} - \frac{q}{\alpha}$$

$$\frac{\frac{v}{\alpha}}{\frac{q\beta}{\alpha}} = \frac{v}{q\beta} \rightarrow \frac{v}{q(-\frac{v}{\alpha})} = \frac{v}{-\frac{vq}{\alpha}} = \frac{v\alpha}{-vq}$$

$$\boxed{\frac{v\alpha}{-vq} = \frac{v}{q\beta}}$$

$$s = -m \quad p = -\gamma m$$

$$\boxed{s = -\gamma}$$

$$m\gamma + \gamma m - 1 = 0$$

$$m = -\gamma \Rightarrow m = \gamma$$

مقدار γ را پیدا کنید
مقدار m را پیدا کنید

پس

$$y = -\gamma x^2 + \gamma x + \gamma$$

$$-\gamma x^2 + \gamma x + \gamma = 0$$

$$C - \frac{b^2}{\epsilon a} = \frac{m}{\gamma} + \gamma - \frac{1\gamma}{\epsilon m} \Rightarrow \frac{m}{\gamma} + \gamma - \frac{\epsilon}{m} = 1$$

$$x = -1 \quad \boxed{x = \gamma}$$

$$m\gamma - \gamma m - 1 = 0$$

$$m = \epsilon \Rightarrow m = -\gamma \rightarrow \text{مقدار } m \text{ را پیدا کنید}$$

$$y = a(x-h)^2 + k$$

$$\left(-\frac{1}{\gamma}x^2 + \gamma x + \epsilon\right)x - \gamma$$

$$\text{مقدار } \epsilon: \frac{\gamma}{\epsilon + \epsilon\sqrt{\gamma}} + \frac{\gamma}{\epsilon - \epsilon\sqrt{\gamma}}$$

$$\epsilon = a(-\gamma)^2 + \gamma$$

$$x^2 - \epsilon x - 1 = 0$$

$$\frac{1 + \sqrt{\gamma} + 1 - \sqrt{\gamma}}{(\epsilon + \epsilon\sqrt{\gamma})(\epsilon - \epsilon\sqrt{\gamma})} = \frac{1\gamma}{1\gamma - \epsilon\epsilon} =$$

$$\epsilon a = -\gamma$$

$$\Delta = b^2 - \epsilon a C$$

$$1\gamma + \gamma\gamma = \epsilon\epsilon$$

$$a = \frac{-1}{\gamma}$$

$$y = \frac{-1}{\gamma}(x-\gamma)^2 + \gamma$$

$$\text{مقدار } \epsilon: \frac{\epsilon \pm \epsilon\sqrt{\gamma}}{\gamma}$$

$$\frac{1\gamma}{-\gamma\gamma} = \left(-\frac{1}{\gamma}\right)$$

$$x_1 + x_2 = \epsilon a + \epsilon \xrightarrow{x_1 = \gamma} x_2 = \epsilon a + \gamma$$

$$x_1 x_2 = \gamma a^2 + \gamma a + \gamma \quad \bullet \quad \gamma(\epsilon a + \gamma) = \gamma a^2 + \gamma a + \gamma$$

$$1a + \epsilon = \gamma a^2 + \gamma a + \gamma$$

$$\gamma a^2 - \gamma a - 1 = 0$$

$$(\gamma a - \gamma)(\gamma a + 1) = a = 1$$

$$a = \frac{1}{\gamma}$$

$$\boxed{x_2 = \gamma \pm \frac{\gamma}{\gamma}}$$