

$$y = -u^2 + bu + r$$

$$\max_{u \in \mathbb{R}} = V \rightarrow \frac{b^2 - 4ac}{-4a} = V \rightarrow b^2 + 12 = 2A$$

$$b^2 = 14$$

$$b = \pm \sqrt{14}$$

$$u^2 + 2u^2 + r = 0$$

$$a = u^2 \rightarrow a^2 + 2a + r = 0$$

→ جواب ندارد

→ جواب ندارد

→ جواب ندارد

$$(1-u^2)^2 - 2(1-u^2) - 1 = 0$$

$$1-u^2 = t \rightarrow t^2 - 2t - 1 = 0$$

$$(t-1)(t+1) = 0$$

$$t \begin{cases} 1 \rightarrow 1-u^2 = 1 \rightarrow u^2 = 0 \\ -1 \rightarrow 1-u^2 = -1 \rightarrow u^2 = 2 \end{cases}$$

$$u^2 = 2 \rightarrow u = \pm \sqrt{2}$$

$$14u^2 - 14u + m = 0$$

$$\alpha = \beta + 1$$

$$S = \alpha + \beta$$

$$S = \frac{-b}{a}$$

$$\rightarrow \beta + \beta + 1 = \frac{14}{1} = 14$$

$$\rightarrow 2\beta = 13 \rightarrow \beta = 6.5$$

$$\rightarrow \alpha = 7.5$$

$$m = 14$$

$$\frac{m}{1} = 14$$

$$m, \alpha, \beta = ?$$

$$14, 7.5, 6.5$$

$$2u^2 - 4u + m - 1 = 0$$

$$2\alpha - \beta = 1$$

$$\beta = 2\alpha - 1 \rightarrow \alpha + \beta = 2\alpha - 1$$

$$m = ? \quad m - 1 = 0 \rightarrow m = 1$$

$$S = \frac{-b}{a} = \frac{4}{2} = 2 \rightarrow 2\alpha - 1 = 2$$

$$\alpha = 1.5$$

$$\beta = 2$$

$$\frac{c}{a} = 0 \rightarrow c = 0$$

$$m-1 = 0$$

$$m = 1$$

$$-mu^2 + 4u + m^2 - 1 = 0$$

$$\alpha = \frac{1}{\beta} \rightarrow \alpha\beta = 1$$

$$P = \frac{c}{a} = 1$$

$$\rightarrow \frac{m^2 - 1}{-m} = 1 \rightarrow m^2 - 1 = -m$$

$$m^2 + m - 1 = 0$$

$$m = \frac{-1 \pm \sqrt{5}}{2}$$

$$m = ?$$

$$u^r - m x + r = 0$$

$$\alpha + \beta = \frac{-b}{a} = m$$

$$\rightarrow m = \frac{q}{\varepsilon} + \frac{\varepsilon}{r} = \frac{\varepsilon r}{1r}$$

$$\alpha + \beta = \frac{c}{a} = r$$

$$\alpha \beta = \varepsilon \rightarrow \alpha \beta \cdot \beta = \varepsilon \rightarrow r \beta = \varepsilon$$

$$m = ? \frac{\varepsilon r}{1r}$$

$$\beta = \frac{\varepsilon}{r} \rightarrow \alpha = \frac{\alpha \beta}{\beta} = \frac{r}{\frac{\varepsilon}{r}} = \frac{q}{\varepsilon}$$

$$u^r - \varepsilon u + m = 0$$

$$\alpha = r \beta \quad \alpha + \beta = S = \frac{-b}{a} = \varepsilon$$

$$\alpha + \beta = \varepsilon \beta$$

$$\left. \begin{array}{l} \beta \geq 1 \rightarrow \alpha = r \\ \alpha \beta = \varepsilon \beta \end{array} \right\}$$

$$m = ?$$

$$\alpha \beta = r = \frac{c}{a} = \frac{m}{1}$$

$$\rightarrow m = r$$

$$u^r - v u + r = 0 \rightarrow p = \frac{c}{a} = r \quad S = \frac{-b}{a} = v$$

$$\rightarrow \alpha \beta = r \rightarrow \beta = \frac{r}{\alpha} \rightarrow \beta^r = \frac{\wedge}{\alpha^r}$$

$$\alpha^r + \frac{\wedge}{\alpha^r} = ?$$

$$\alpha^r + \beta^r = (\alpha + \beta)^r - r(\alpha + \beta)\alpha\beta = v^r - r \cdot v \cdot r = \varepsilon r \cdot v = r \cdot 1$$

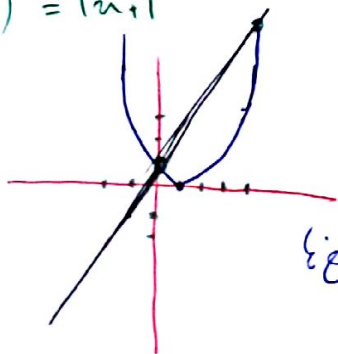
$$h(t) = -1 \cdot t^r + \omega \cdot t$$

$$\Delta = b^2 - 4ac$$

$$\text{month} = \frac{-\Delta}{\varepsilon a} = \frac{-(\omega \cdot r)}{-\varepsilon} = \frac{r \omega}{\varepsilon} = 9r \cdot \omega_m$$

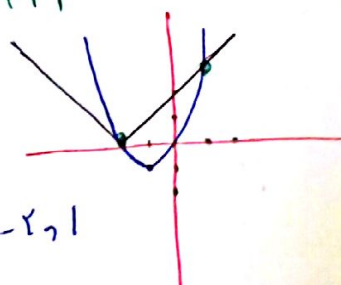
$$\text{تقسيم} \rightarrow \text{مقسوم} = -1 \cdot t^r + \omega t = 0 \rightarrow 1 \cdot t(\omega - t) = 0 \rightarrow t \left\{ \begin{array}{l} \omega \\ 0 \end{array} \right. \checkmark \rightarrow \text{تقسيم}$$

$$(n-1)^r = r n + 1$$



نقاط: 0, r

$$\frac{n^r + r n}{(n+1)^r - 1} = |n + r|$$



نقاط: -r, 1