

$$y = -n^r + bn + r \quad \max = V \quad b - \text{مقدار} = ?$$

$$n_s = -\frac{b}{r a} = \frac{+b}{+r} \quad y = \left(\frac{b}{r}\right)^r + b\left(\frac{b}{r}\right) + r$$

$$\frac{-b^r}{\varepsilon} + \frac{b^r}{r} + r \rightarrow y = \frac{b^r}{\varepsilon} + r$$

$$\frac{b^r}{\varepsilon} + r = V \rightarrow \frac{b^r}{\varepsilon} = \varepsilon \rightarrow b = \pm \varepsilon$$

$$P(n) = n^{\varepsilon} + r n^r + r \quad t^r + r t + r$$

$$\Delta = \varepsilon - 1r = -1$$

حاصل جذر اول و دوم

$$P(n) = (\varepsilon - n^r)^r - r(\varepsilon - n^r) - 1A$$

$$\varepsilon^r - r t - 1A \rightarrow (t + r)(t - d) \quad \begin{cases} t = -r \\ t = d \end{cases}$$

$$\varepsilon - n^r = -r \rightarrow n^r = V \rightarrow n = \pm \sqrt{V}$$

$$\varepsilon - n^r = A \rightarrow n^r = -1 \rightarrow \text{حاصل جذر اول و دوم}$$

$$\varepsilon n^r - 19n + m \quad n_1, n_r \rightarrow n_r = n_1 + r$$

$$n_1 + n_r = \frac{14}{\varepsilon} = \varepsilon \rightarrow n_1 + n_1 + r = \varepsilon \rightarrow 2n_1 = r \rightarrow n_1 = 1$$

$$n_1, n_r = \frac{m}{\varepsilon} \rightarrow r = \frac{m}{\varepsilon} \rightarrow m = 14$$

$$r n^r - 14n + 11 = 0 \quad \Delta > 0 \quad \checkmark$$

ملک کی جیسی

Date

Subject

$$r m^r - 4m + m - 1 = 0$$

$$2\alpha - \beta = \varepsilon$$

$$2\alpha - (r - \alpha) = \varepsilon \rightarrow r\alpha = 4 \rightarrow \alpha = r$$

$$\alpha + \beta = \frac{4}{r} = r$$

$$\beta = r - \alpha \rightarrow \beta = r - r = 0$$

$$\alpha\beta = \frac{m-1}{r}$$

$$\frac{m-1}{r} = 0$$

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

$$r m^r - 4m = 0 \quad \Delta x \checkmark$$

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

P

$$= r \times \frac{1}{r} = 1 \rightarrow \frac{m^r - r}{-m} = 1 \rightarrow m^r - r = -m \rightarrow m^r + m - r$$

$$(m-1)(m+r) \begin{cases} m=1 & \text{GG} \\ m=-r & \text{GG} \end{cases}$$

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

$$\alpha\beta^r = \varepsilon$$

$$\frac{r}{\beta} \times \beta^r = \varepsilon$$

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

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

$$\alpha\beta = r \rightarrow \alpha = \frac{r}{\beta} \rightarrow \alpha = \left(\frac{r}{\frac{\varepsilon}{r}} \right) = \frac{q}{\varepsilon}$$

$$x^r - \frac{r x}{r} + r = 0 \quad \Delta x \checkmark$$

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

$$m_r = r m_1$$

$$m_1 + m_r = \varepsilon \rightarrow m_1 + r m_1 = \varepsilon \rightarrow \varepsilon m_1 = \varepsilon \rightarrow m_1 = 1$$

$$m_1 \times m_r = m \rightarrow m_1 \times r m_1 = m \rightarrow r m_1^r = m \rightarrow r \times 1 = m$$

$$m = r \quad \Delta x \checkmark$$

$$m^r - v m + r = 0$$

$$\alpha^r + \frac{1}{\alpha^r}$$

$$\alpha^r = \alpha \times \alpha^r \rightarrow \alpha(v\alpha - r) = v\alpha^r - \varepsilon$$

$$\alpha^r - v\alpha + r = 0 \rightarrow \alpha^r - v\alpha - r \quad v(v\alpha - r) - r\alpha = \varepsilon q\alpha - \varepsilon - r\alpha =$$

$$S = v$$

$$\varepsilon v\alpha - 1 \varepsilon$$

$$P = r \rightarrow \beta = \frac{r}{\alpha}$$

$$\frac{1}{\alpha^r} = \left(\frac{r}{\alpha} \right)^r \rightarrow \alpha^r + \beta^r = \left(\frac{v}{\alpha} + \frac{r}{\beta} \right)^r = r \alpha^r \left(\frac{v}{\alpha} + \frac{r}{\beta} \right)^r$$

$$v^r - q(v) = r \varepsilon r - \varepsilon r = r \varepsilon$$

5-5

Subject

Date

$$h(t) = -1 \cdot t^2 + a \cdot t$$

$$h_{\max} = ?$$

$$t = ?$$

$$t_{h_{\max}} = \frac{-b}{2a} = \frac{-a_0}{-2a} = \frac{a}{2} = 1.25 \text{ s}$$

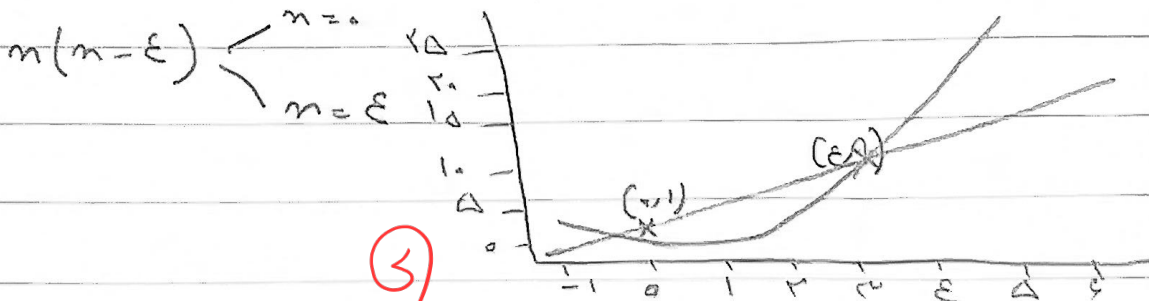
$$-1 \cdot \left(\frac{a}{2}\right)^2 + a \cdot \left(\frac{a}{2}\right) = -1 \cdot \left(\frac{1.25}{2}\right)^2 + 2 \cdot \frac{1.25}{2} = -\frac{1.5625}{2} + \frac{1.5625}{1} = \frac{1.5625}{2}$$

$$\frac{-1.5625 + 1.5625}{2} = \frac{1.5625}{2} = 0.78125 \text{ m ارتفاع}$$

$$-1 \cdot t^2 + a \cdot t = 0 \rightarrow t(-1 \cdot t + a) = 0$$

$t = 0$ (مختار)
 $t = a$ (خروج از نقطه)

$$(n-1)^2 = 2n+1 \quad n^2 - 2n + 1 = 2n+1 \rightarrow n^2 - 4n = 0$$

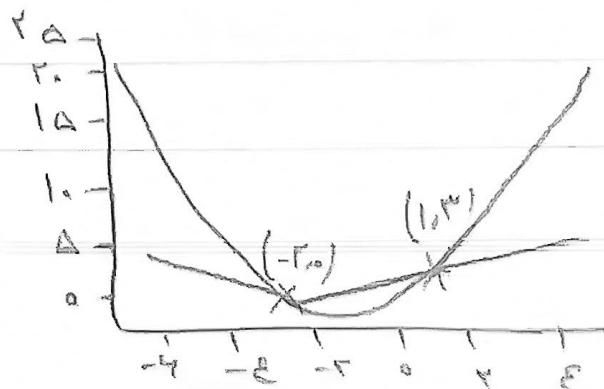


$$n^2 + 2n = |n+1| \quad n^2 + 2n = n+1 \rightarrow (n+1)(n-1) = 0$$

$n = -1$
 $n = 1$

$$n^2 + 2n = -n - 1 \rightarrow n^2 + 3n + 1 = 0 \rightarrow (n+1)(n+2) = 0$$

$n = -1$
 $n = -2$



PARADIS