

$$P = \frac{C}{a} = \frac{k}{\mu}$$

$$\delta = -\frac{b}{a} = \frac{a}{\mu}$$

$$3k^2 - 1k + 4 = 0$$

$$\Delta = 4E - 4(4)(3) = 14$$

$$u_1, u_2 = \frac{+1 \pm \sqrt{14}}{4} = \begin{cases} \frac{1}{4} \\ \frac{\sqrt{14}}{4} \end{cases}$$

$$k \times 3k = \frac{k}{\mu}$$

$$3k^2 = \frac{k}{\mu}$$

$$k^2 = \frac{k}{9}$$

$$k = \pm \frac{\sqrt{14}}{9}$$

$$\rightarrow \frac{1}{14}$$

فونکشن ایریس

$$k + 3k = \frac{a}{\mu}$$

$$k = \frac{a}{14} \quad \boxed{a=1}$$

کاره سری B

(2)

$$\left(\frac{1}{\sqrt{u_1}} + \frac{1}{\sqrt{u_2}} = \omega \right)^2 = \frac{1}{u_1} + \frac{1}{u_2} + \frac{2}{\sqrt{u_1 u_2}} = 2\omega$$

$$\frac{u_1 + u_2}{u_1 u_2} + \frac{2}{\sqrt{u_1 u_2}} = 2\omega$$

$$u_1 + u_2 + 2\sqrt{u_1 u_2} = 2\omega u_1 u_2$$

$$m k^2 + 3k + 4 \rightarrow -k^2 + 3k + 4 = 0$$

$$\delta = u_1 + u_2 = -\frac{b}{a} = \frac{m+14}{34}$$

$$\boxed{\frac{c}{a} = -1}$$

~~$$R = \frac{C}{a} = \frac{u_1 u_2}{\mu}$$~~

$$\epsilon k^2 + k k^2 - 4k - 2 = 0$$

$$(k^2 - k - 2)(\epsilon k + 1)$$

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$$\alpha + \beta = 1$$

$$\alpha\beta = 2$$

$$(\alpha - \beta)(\alpha + \beta) = \alpha^2 - (\alpha + \beta)\alpha + \alpha\beta = k^2 - k - 2$$

$$\begin{array}{r} \epsilon k^2 + k k^2 - 4k - 2 \mid k^2 - k - 2 \\ \epsilon k^2 - \epsilon k^2 - 4k \quad \epsilon k + 1 \\ - \quad + \quad + \\ \hline k k^2 + \epsilon k^2 - k - 2 \\ k^2 - k - 2 \\ \hline \end{array}$$

$$k k^2 + \epsilon k^2 = 0$$

$$k = -2$$

β Συμπεριελά = αριθμ Εκμετρί

$$x^2 + 4x + a = 0 \longrightarrow \Delta = 16 - 4a$$

$$3\alpha^2 + 2\beta^2 = 14\sqrt{2} + 10$$

$$\alpha < \beta < 0$$

$$\alpha + \beta = -4$$

$$\alpha\beta = a$$

$$\alpha, \beta = \frac{-4 \pm \sqrt{16 - 4a}}{2}$$

$$\alpha, \beta = -2 \pm \sqrt{4 - a}$$

$$\alpha = -2 - \sqrt{4 - a}$$

$$\beta = -2 + \sqrt{4 - a}$$

$$\alpha^2 = 11 - a + 4\sqrt{4 - a}$$

$$\beta^2 = 11 - a - 4\sqrt{4 - a}$$

$$3\alpha^2 + 2\beta^2 = 40 - 5a + 4\sqrt{4 - a}$$

$$40 - 5a + 4\sqrt{4 - a} = 10 + 14\sqrt{2} \rightarrow$$

$$40 - 5a = 10$$

$$\alpha = 1$$

$$4\sqrt{4 - a} = 14\sqrt{2}$$

$$\alpha = 1$$

$$4\sqrt{4 - a} = 14\sqrt{2}$$

$$\sqrt{4 - a} = 7\sqrt{2}$$

$$\text{if } \alpha = 1 \Rightarrow \sqrt{1} = 7\sqrt{2}$$

نوسین درجہ - لایہ ساری

$$K^x - V K^y - \omega = 0$$

(5)

$$K^y = t$$

$$t^y - V t - \omega = 0$$

$$\Delta = 49 - 4(1)(-\omega) = 49 \quad t = \frac{V \pm \sqrt{49}}{2}$$

$$\left[\frac{V + \sqrt{49}}{2} \right]$$

$$\left[\frac{V - \sqrt{49}}{2} \right] \rightarrow t < 0$$

$t^y \Rightarrow$ نقص
در

$$K = \pm \sqrt{\frac{V + \sqrt{49}}{2}}$$

$$P = K_1 \times K_2 = \sqrt{t} \times -\sqrt{t} = -t \quad \alpha\beta = \frac{-(V + \sqrt{49})}{2}$$

$$\alpha + \beta = 0 \Rightarrow \delta = 0$$

$$2P^2 - 3SP + 18 = 2 \left(\frac{V + \sqrt{49}}{2} \right)^2 - 3 \times 0 \times P + 18 =$$

$$2 \times \frac{49 + 14\sqrt{49} + 49}{2} = \frac{118 + 14\sqrt{49}}{2} = 59 + 7\sqrt{49}$$

نوشتن اریب - یا زده سری B

$$pk^p - ak + b = 0$$

$$s = \frac{a}{p} \quad p = \frac{b}{p}$$

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$$pak^p + ak - 4 = 0$$

$$S = \frac{-a}{ka} = -\frac{1}{p}$$

$$p = \frac{-4}{ka} = -\frac{4}{a}$$

$$\left[\frac{ab}{\varepsilon} \right] = \left[\frac{-4}{\varepsilon} \right] = -1$$

$$x_1 = y_1 + \frac{1}{p}$$

(4)

$$k_1 = y_1 + \frac{1}{p} \quad \frac{a}{p} = \frac{1}{p} \quad [a=1]$$

$$k_1 + k_2 = y_1 + y_2 + 1$$

$$k_1 + k_2 = \left(y_1 + \frac{1}{p}\right) \left(y_2 + \frac{1}{p}\right)$$

$$y_1 + y_2 + \frac{1}{p}(y_1 + y_2) + \frac{1}{p} = -3$$

$$k_1 k_2 = \frac{b}{p} = -3$$

$$b = -4$$

فوتن اریب، یاسر

$$a\alpha^r - a\alpha - b = 0$$

$$\textcircled{6} \beta^r + \kappa_0 \alpha^r - \kappa_0 \beta = 1V \rightarrow \div \kappa_0$$

✓

$$\alpha^r + \kappa \beta^r - \beta = \frac{1V}{\kappa_0}$$

$$a(\alpha^r - \alpha) = b \quad \alpha^r = \alpha + \frac{b}{a}, \beta^r = \beta + \frac{b}{a}$$

$$\textcircled{8} \alpha^r + \kappa \beta^r - \beta = \left(\alpha + \frac{b}{a}\right) + \kappa \left(\beta + \frac{b}{a}\right) - \beta = \alpha + \beta + \frac{\kappa b}{a}$$

$$= \frac{1V}{\kappa_0} \Rightarrow \frac{\kappa b}{a} = -\frac{\kappa}{\kappa_0} \quad \left(\frac{b}{a} = -\frac{1}{\kappa_0}\right)$$

$$a^r + \epsilon a b = a^r \left(1 + \frac{\epsilon b}{a}\right)$$

$$\alpha - \beta = \frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{a^r - \epsilon a b}}{|a|} = \frac{|a| + \sqrt{1 + \frac{\epsilon a}{b}}}{|a|} = \sqrt{1 - \frac{\epsilon}{\kappa_0}}$$

$$= \frac{\kappa}{\sqrt{a}}$$

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

$$k^2 - (a+1)k + a = 0$$

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دوایی فرستوی طبعی $k_{n-1}, k_{n+1} \Rightarrow$ k_1, k_2

$$k_{n-1} = k_{n+1}$$

$$S = k_n$$

$$P = k_{n+1}$$

$$k_{n+1} - k_n = 0$$

$$k_n(n-1) = 0$$

$$a = k$$

دوایی زوج متوالی طبعی

$$k^2 - 10k + b = 0$$

$$k_m, k_{m+1}$$

$$S = k_m + k_{m+1} = k_m + k_{m+1} = b \quad m = 1$$

$$P = k_{m+1} + k_m = b \quad b = k$$

$$تفاوت = 24 - 3 = 21$$

نویسنده ارشد - یازدهم سری B

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

$$x^r + x - (1 + m^r) = 0$$

$$S = -1$$

$$\beta = -(1 + m^r)$$

$$m^r \geq 0 \rightarrow m = 0$$

$$\boxed{min = 10^r}$$

Business - سوال؟

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$$\alpha^r + \beta^r = (\alpha + \beta)^r - r\alpha\beta$$

$$\left. \begin{array}{l} A(3, y) \\ B(-a, y) \end{array} \right\} \begin{array}{l} \text{نقطه برابر} \\ \text{مورد} \end{array} \quad x = \frac{3 + (-a)}{2} = -1 \quad (10)$$

$$(-1, 1) = \text{رأس}$$

$$y = a(x+1)^2 + 1 \quad y = ax^2 + 2ax + a + 1$$

$$0 = a(x+1)^2 + 1 \Rightarrow x = -1 \pm \sqrt{-\frac{1}{a}}$$

$$x^2 + \beta^2 = a \Rightarrow a = 4 \left(1 + \frac{-1}{a} \right)$$

$$1 - \frac{1}{a} = \frac{a}{4} \quad \boxed{a = -\frac{4}{5}}$$

$$\text{if } x=0$$

$$y = -\frac{4}{5} + 1 = \frac{1}{5} \rightarrow \text{مورد مورد نیاز}$$

مورد

نویسنده: یازدهم شهری 1398