

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

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

(1)

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

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

$$u_1, u_2 = \frac{+1 \pm \sqrt{14}}{4} = \left\{ \begin{array}{l} \frac{1}{\mu} \end{array} \right.$$

(1)

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

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

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

$$k = \pm \frac{1}{9} \rightarrow \frac{1}{14}$$

(14)

فوتستر اریس

$$k + 3k = \frac{a}{k/2}$$

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

$$\frac{1}{\alpha^2} = \frac{k}{\mu} \rightarrow \alpha = \pm \frac{1}{\mu} \left\{ \begin{array}{l} \alpha = \frac{1}{\mu} \rightarrow \beta = 1 \rightarrow a = 1 \\ \alpha = -\frac{1}{\mu} \rightarrow \beta = -1 \rightarrow a = -1 \end{array} \right.$$

باز هم سری B

$$1 - (-1) = 14$$

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

(2)

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

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

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

(9)

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

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

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

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

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

13

$$\alpha + \beta = 1$$

$$\alpha\beta = 2$$

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

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$$\begin{array}{r} \epsilon k^2 + k k^2 - 4k - 2 \mid k^2 - k - 2 \\ \epsilon k^2 - \epsilon k^2 - 4k \quad \epsilon k + 1 \\ - \quad + \quad + \\ \hline k k^2 + \epsilon k^2 - k - 2 \\ k^2 - k - 2 \\ \hline k k^2 + \epsilon k^2 = 0 \\ \boxed{k = -2} \end{array}$$

β Συμπεριλαμβανόμενα = αριθμοί

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

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

$$\alpha < \beta < 0$$

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

$$\alpha\beta = a$$

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

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

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

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

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

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

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

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

$$40 - 5a = 10$$

$$\alpha = 1$$

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

$$\alpha = 1$$

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

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

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

نوسین درجه - لایحه سر

$$K^2 - VK^2 - \omega = 0$$

(5)

$$K^2 = t$$

$$t^2 - Vt - \omega = 0$$

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

$$\begin{cases} \frac{V + \sqrt{49}}{2} \\ \frac{V - \sqrt{49}}{2} \end{cases} \rightarrow t < 0$$

$t^2 \Rightarrow$  مربع  
مربع

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

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

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

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

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

نوٹس: ایریج - یازدم سری B

$$x^2 - ax + b = 0$$

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

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$$x^2 + ax - 4 = 0$$

$$S = \frac{-a}{2a} = -\frac{1}{2}$$

$$P = \frac{-4}{2a} = -\frac{2}{a}$$

$$\left[ \frac{ab}{c} \right] = \left[ \frac{-4}{-2} \right] = 2$$

$$x_1 = y_1 + \frac{1}{p} \quad (4)$$

$$x_2 = y_2 + \frac{1}{p} \quad \frac{a}{p} = \frac{1}{p} \quad (a=1)$$

$$x_1 + x_2 = y_1 + y_2 + \frac{2}{p}$$

$$x_1 + x_2 = \left(y_1 + \frac{1}{p}\right) \left(y_2 + \frac{1}{p}\right)$$

$$y_1 + y_2 + \frac{1}{p}(y_1 + y_2) + \frac{1}{p^2} = -3$$

$$x_1 x_2 = \frac{b}{p} = -3$$

$$b = -4$$

نوشته شده است:  $B$  Symplectic

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

$$\textcircled{6} \beta^r + r_0 \alpha^r - r_0 \beta = 1V \rightarrow \div r_0$$

✓

$$\alpha^r + r\beta^r - \beta = \frac{1V}{r_0}$$

$$a(\alpha^r - \alpha) = b$$

$$\alpha^r = \alpha + \frac{b}{a}, \beta^r = \beta + \frac{b}{a}$$

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

$$= \frac{1V}{r_0} \Rightarrow \frac{rb}{a} = -\frac{r}{r_0} \quad \left(\frac{b}{a} = -\frac{1}{r_0}\right)$$

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

$$\alpha - \beta = \frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{a^r - \varepsilon ab}}{|a|} = \frac{|a| + \sqrt{1 + \frac{\varepsilon a}{b}}}{|a|} = \sqrt{1 - \frac{\varepsilon}{r_0}}$$

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

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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

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دوایی فرستوی طبع

$$v_{n-1}, v_{n+1} \Rightarrow \underline{u} \text{ و } \underline{v}$$

$$e_{n-1} = e_{n^2-1}$$

$$S = e_n$$

$$P = e_{n^2-1}$$

$$e_{n^2} - e_n = 0$$

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

$\bigcup_{n=1}$

$$a = 2$$

دوایی زوج متوالی طبع

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

$$v_m, v_{m+2}$$

$$S = e_{m+2} = e_m + 2 = \underline{e_m} + 2 = b \quad \boxed{m=2}$$

$$P = 4m^2 + e_m = \underline{b} \quad \rightarrow \quad \boxed{b=4}$$

تفاوت =  $4 - 3 = 1$

نویسن اریب - یازده سری ب

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

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

$$S = -1$$

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

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

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

Business - سجل مبيعات

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

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

(10)

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

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

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

$$1 - \frac{1}{a} = \frac{a}{r} \quad \boxed{a = \frac{-r}{2}}$$

if  $x=0$

$$y = -\frac{r}{2} + 1 = \frac{1}{2} \rightarrow \text{محور محور}$$

محور

نویسنده: یازدهم شهری 1398