

نقطه (متران) ۲۰ تکلیف ۲۲

$$x^2 - 5x + 2 = 0 \quad \Delta = 5 \quad p = 2 \rightarrow \alpha\beta = 2 \rightarrow \beta = \frac{2}{\alpha}$$

$$\frac{\alpha^2 + \beta^2}{\alpha\beta^2} \Rightarrow \frac{\alpha^2}{\alpha\beta^2} + \frac{\beta^2}{\omega} = \frac{\alpha^2}{\omega\alpha^2} + \frac{\beta^2}{\omega} = \frac{\alpha^2 + \beta^2}{\omega}$$

$$\frac{(\alpha + \beta)^2 - 2\alpha\beta(\alpha + \beta)}{\omega} = \frac{16 - 2 \times 2 \times 5}{5} = 2 - 4 = -2$$

$$\left[\begin{matrix} 1 \\ -1 \end{matrix} \right], \left[\begin{matrix} 1 \\ -1 \end{matrix} \right]$$

$$S = \frac{-b}{2a} = \frac{1-1/5}{2} = 0.175 \rightarrow -\frac{b}{2a} = \frac{1/5}{2}$$

$$\Rightarrow S = \frac{-b}{a} = 1/5$$

$$|\alpha - \beta| = \frac{\sqrt{\Delta}}{|\alpha|} = \frac{\sqrt{4K^2 - 4}}{1} = \frac{2}{K} K$$

$$\sqrt{K^2 - 4} \leq 2K \Rightarrow 9(K^2 - 4) \leq 4K^2 \Rightarrow 5K^2 - 36 \leq 0$$

$$5(K^2 - 9) \leq 0 \rightarrow K^2 - 9 \leq 0 \rightarrow K^2 \leq 9$$

$$\left[\frac{9}{2} \right] = \left[\frac{1}{5} \right] = \left[\frac{1}{5} \right]$$

براکت

$$\frac{-b}{2a} = \frac{2-5}{2} \Rightarrow \frac{-b}{a} = -1 \Rightarrow s \rightarrow s(-1, 1) \quad (4)$$

$$\alpha^2 + \beta^2 = s^2 - 2p = 1 - 2p = 0 \rightarrow 2p = 1 \rightarrow p = \frac{1}{2}$$

$$y sa(\alpha^2 - s\alpha + p) = a(\alpha^2 + \alpha - \frac{1}{2})$$

$$\alpha = -1 \rightarrow a(1 - 2 - \frac{1}{2}) = 1 \rightarrow a = -\frac{2}{3} \rightarrow y = -\frac{2}{3}(\alpha^2 + \alpha - \frac{1}{2})$$

~~$$x = 0 \rightarrow y = -\frac{2}{3}(0 + 0 - \frac{1}{2}) = \frac{1}{3} \Rightarrow C = \frac{1}{3}$$~~

$$\alpha = 0 \rightarrow y = -\frac{2}{3}(0 + 0 - \frac{1}{2}) = \frac{1}{3} \Rightarrow C = \frac{1}{3}$$

$$w_{2,1} \rightarrow \frac{-\omega \pm \sqrt{4\omega + 4m}}{-2} \xrightarrow{\text{ریشه بزرگتر}} \frac{-\omega - \sqrt{4\omega + 4m}}{-2} < \frac{9}{12} \quad (5)$$

$$\rightarrow x^2 \rightarrow \omega + \sqrt{4\omega + 4m} < 9 \rightarrow \sqrt{4\omega + 4m} < 4$$

$$\Delta > 0 \text{ (در ریشه حقیقی)} \Rightarrow 4\omega + 4m > 0 \rightarrow m > -\frac{2\omega}{4}$$

$$-\frac{2\omega}{4} < m < -\frac{9}{4}$$

مقدار

$$-2, -4, -6$$

$$\frac{-\Delta}{f_a} = \frac{-(1ff - r \cdot m + fm)}{fm} = \frac{r \cdot m^2 - fm - 1ff}{fm}$$

$$= \frac{\omega m^2 - m - 19}{m} = 0 \rightarrow \omega m^2 - 19m - 19 = 0$$

$$(\omega m + 19)(m - 19) = 0 \begin{cases} m = 19 \\ m = -\frac{19}{\omega} \end{cases}$$

$$\Rightarrow m = 19 \rightarrow y = 3x^2 - 19x + 19 \rightarrow \frac{-b}{2a} = 19 \rightarrow x = 19$$

عدرتارده سمی

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$$\alpha, a, \beta \Rightarrow \alpha^T = \alpha, \beta = \rho$$

$\alpha \beta \alpha \alpha$

$$\alpha \beta = 1a - 1 \rightarrow 1a - 1 = \alpha^T \rightarrow \alpha^T - 1a + 1 = 0$$

$$\Rightarrow (a-1)^T = 0 \rightarrow a = 1$$

$$x^2 - vx^2 - \omega s = 0 \quad x^2 = t$$

$$\Rightarrow t^2 - vt - \omega s = 0 \rightarrow \Delta = b^2 - 4ac = 49$$

$$t = \frac{v \pm \sqrt{49}}{2} \xrightarrow{t=x^2} x = \sqrt{\frac{v \pm \sqrt{49}}{2}}$$

$$x = -\sqrt{\frac{v \pm \sqrt{49}}{2}}$$

ممكن؟ ممكن

$$S = 0 \quad p = -\left(\frac{v \pm \sqrt{49}}{2}\right)$$

$$x^2 p^2 - x^2 p + x^2 S = \frac{x^2 (v \pm \sqrt{49})^2}{4} = \frac{49 \pm 98 \pm 49 \sqrt{49}}{4}$$

$$\frac{1 \pm 1 \pm \sqrt{49}}{2} = 0 \quad 9 \pm \sqrt{49}$$

$$y = Kx^2 - tx - 4 \rightarrow \left| \begin{array}{c} -\frac{b}{2a} \\ -\frac{\Delta}{4a} \end{array} \right| \Rightarrow \left| \begin{array}{c} \frac{x}{K} \\ -\frac{(14 \pm 4 \pm K)}{4K} \end{array} \right|$$

$$y = -tx + \frac{y}{K} \Rightarrow \left| \begin{array}{c} \frac{y}{K} \\ -\frac{-t - 4K}{K} \end{array} \right|$$

$$\Rightarrow -t \left(\frac{y}{K}\right) - t = \frac{-t - 4K}{K} \Rightarrow \frac{-1 \pm K}{K} = \frac{-t - 4K}{K}$$

$$= \frac{-t - 4K}{K} = 0 \rightarrow 2K - t = 0 \rightarrow K = t \rightarrow \frac{-t - 4K}{K} = \frac{-t - 4t}{K} = \frac{-5t}{K}$$

$$\left. \begin{aligned} y &= -mn^2 + m(n+1) \\ y &= -m - n \end{aligned} \right\} \Rightarrow -mn^2 + m(n+1) = -m - n$$
$$mn^2 + (-m-1)n - (m+1) = 0$$

نقد $\Delta < 0$

$$(m+1)^2 + 4m(m+1) < 0$$

$$(m+1)(m+1+4m) < 0$$

$$\Rightarrow (m+1)(5m+1) < 0$$

x	-1	$-\frac{1}{5}$
y	$+$	$-$

$$m \in (-1, -\frac{1}{5})$$

ممنوع ←