

$$S_2 = \frac{-b}{2a} \Rightarrow z = -1 \Rightarrow b = 2a \Rightarrow a = 1, b = 2, c = 1$$

$$\Rightarrow \begin{bmatrix} -1 \\ a \end{bmatrix} \rightarrow a - 2a + c = 0$$

$$\Rightarrow a = \frac{1}{2}$$

$$c = \frac{1}{2} \Rightarrow y = \frac{1}{2}x^2 - x + \frac{1}{2}$$

$$\begin{bmatrix} 1 \\ 1 \end{bmatrix} \rightarrow a + 2a = 1$$

$$b = 2a = 1$$

$$\Delta > 0 \Rightarrow m^2 - 4m - 4 > 0$$

$$\frac{1}{+} \frac{1}{-} \frac{1}{+}$$

$$m \in \mathbb{R} - [-4, 12]$$

$$S > 0 \Rightarrow \frac{-m}{4} > 0 \Rightarrow m < 0$$

$$P > 0 \Rightarrow \frac{m+4}{4} > 0 \Rightarrow m > -4$$

$$\text{استرال} = (-4, -\infty)$$

$$\alpha + \beta = \frac{1}{\alpha\beta} \Rightarrow \frac{1-2m}{4} = \frac{1}{4-m} \Rightarrow 2m^2 - 8m + 4 = 0 \Rightarrow m^2 - 4m - 1 = 0$$

$$\Delta = 48 - (-8) = 56$$

$$\frac{8 \pm \sqrt{56}}{2}$$

$$\frac{1}{2} \rightarrow \frac{1}{2}$$

$$x^2 - x - 1 = 0 \Rightarrow S = 1, P = -1$$

$$S' = x_1' + x_2' + \frac{1}{x_1} + \frac{1}{x_2} = S - 2SP + \frac{S}{P} = 1 + 12 - \frac{1}{-1} = \frac{21}{-1}$$

$$P' = (x_1' + \frac{1}{x_1})(x_2' + \frac{1}{x_2}) = P + \frac{1}{P} + S^2 - 2P = -4 + \frac{1}{-1} + 1 + 1 = -\frac{21}{-1}$$

$$x^2 - S'u + P' = x^2 - \frac{21}{-1}x - \frac{21}{-1}$$

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

$$\Rightarrow t^4 - \frac{1}{t^4} = 2t \Rightarrow t^5 - 1 = 2t^5 \Rightarrow t^5 - 2t^5 = 1 \Rightarrow -t^5 = 1 \Rightarrow t^5 = -1$$

$$\Rightarrow t = \frac{1 + \sqrt{5}}{2} \Rightarrow t^5 = \sqrt{5} \Rightarrow x = \frac{1 + \sqrt{5}}{2} \Rightarrow x_1 + x_2 = 1 + \sqrt{5} + 1 - \sqrt{5} = 2$$

$$u_1 = a, u_2 = r a \Rightarrow p_1 \frac{c}{a} = \frac{c}{r} = r a \Rightarrow a = \pm \frac{r}{r^2} \quad -4$$

$\sum \frac{-b}{a} = \frac{a}{c} = 2 \Rightarrow a = 1 \Rightarrow a = 1$ Λ $\Lambda - (-\Lambda) = 19$ $\textcircled{19}$

C₁ = 22 02 2014

حالت اول (غیر قابل قبول) $\Delta z_0 \geq 4a^2 + 4 + 12az_0 \Rightarrow z_0 \geq \frac{5}{2}$

P2.

(غیر کاہل قبول) $\frac{c - 2a}{a} \geq a \geq \frac{c}{2}$

a) $\rightarrow$ Min 60

$$\Delta > 0 \Rightarrow 27Ea^2 + 18a > 0 \Rightarrow a > -\frac{3}{r}$$

P_2 0

برای هیچ مقدار a (غیر قابل قبول) $\Rightarrow \frac{-c - 2a}{a} > 0 \Rightarrow a < -\frac{c}{2}$ ✓

$\frac{-b}{ra} \pm \frac{x}{-r} \pm \frac{a}{r} \Rightarrow a \pm x$

$$\begin{cases} -u^r - ra + b \pm 1 \\ u^r + ra - r \pm 0 \end{cases}$$
 ← منو استرل!

2) b - k z k z) b e f

$a, b \in \mathbb{R}, \varepsilon \in \mathbb{A}$

$$\gamma a x^2 + a x - 9 = 0 \quad x \in \mathbb{R}, \quad \frac{-a}{2\gamma} = \frac{-1}{2}$$

$$(\alpha + \frac{1}{r}) + (\beta + \frac{1}{r}) = \alpha + \beta + 1 = \frac{1}{r} + 1 \Rightarrow \frac{a}{r} = \frac{1}{r} \Rightarrow a = 1$$

$$\frac{c}{a} = \frac{-q}{r} = -c = \alpha B \quad \left(\alpha + \frac{1}{r}\right)\left(B + \frac{1}{c}\right) = \alpha B + \frac{1}{c} + \frac{\alpha + B}{r}$$

$$-c_1 \frac{1}{2} - \frac{1}{2} = -c_2 \frac{b}{c} = b_2 - g \quad \left[\frac{ab}{c} \right] = \left[\frac{-9}{3} \right] = -3$$

$$S_2 a + b = \frac{-b}{a} = \frac{-r}{1} = -r \quad f'_2 b + c = \frac{-b}{a} = \frac{-r}{1} = -r$$

bea 2-9

$$2 \Rightarrow |a-c| \geq |-4+4| \geq \frac{\epsilon}{2}$$

$$\underline{x-1} > b \in \mathbb{C} \quad -Y$$