

$$-x^T + bx + r \rightarrow \frac{-A}{f_a} \text{ s.V.} \rightarrow \frac{-(b^T + 1/r)}{-c} \text{ s.V.} \Rightarrow b^T \leq \frac{1/r - 1/r}{1/r} \Rightarrow b \leq \pm \frac{1}{r}$$

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١- $f(x) = x^2 + (x+1)^2 \rightarrow \Delta < 0 \Rightarrow$ صوري

$$b) \quad z^r - rz - 1 = 0 \Rightarrow (z - r)(z + r) = 0 \rightarrow z = r \text{ or } z = -r$$

$$\hookrightarrow z = r \text{ or } z = -r \Rightarrow z = r \pm \sqrt{r}$$

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$$x^2 - 14x + m = 0 \rightarrow x_1 + x_2 = \frac{14}{1} \rightarrow x_1 + x_2 = 14$$

$$\rightarrow \frac{3}{r} = \frac{c}{a} \cdot 1(1+r) \rightarrow m \cdot r \times t \leq 1r \quad \rightarrow \quad [2x^2 - 14x + 1r = 0 \xrightarrow{a+b+c} 1] \cdot \frac{1r}{c} \leq r]$$

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$$x^2 - 4x + m - 1 \geq 0 \rightarrow x - \beta \geq 0 \rightarrow \beta \leq x - 1$$

$$S: r\alpha - r + \alpha = r\alpha + r + r \Rightarrow \alpha = r \Rightarrow \beta = r(r) - r \Rightarrow \alpha \cdot \beta = \frac{c}{a} = \frac{m-1}{r} \Rightarrow m=1$$

$r_{2n} = 4n = \dots$ Dito ✓

$$P_u - q_u = 0 \quad \Delta \gamma = 0 \checkmark$$

$-m\lambda^r + k\lambda + m^r - r > 0 \rightarrow \lambda > \frac{1}{\alpha} \Rightarrow \lambda > \frac{1}{\alpha} > \frac{c}{a} = \frac{m^r - r}{-m} < 1 \Rightarrow m^r + m - r > 0$
 $(m+r)(m-1) > 0 \rightarrow m > r \rightarrow m > 1$
 if $m > r \rightarrow r\lambda^r + k\lambda + r \rightarrow \Delta > 0$
 $m > 1 \rightarrow -\lambda^r + k\lambda - 1 \rightarrow \Delta > 0$

5)

$$\alpha, \beta \rightarrow x^T \cdot m x + r \rightarrow \alpha \rightarrow \frac{r}{\beta^T} \rightarrow P \rightarrow \frac{c}{a} \rightarrow r \rightarrow \frac{L}{a^T} \times \beta \rightarrow \frac{r}{\beta} \rightarrow \beta = \frac{r}{r}$$

$$\rightarrow x = \frac{r}{(\frac{r}{r})^T} = \frac{q}{r} \quad / \quad S = \frac{-b}{a} + m \left[\frac{q}{r} + \frac{r}{r} = \frac{qr}{1r} \right] \quad x^T = \frac{r \mu}{1r} + r \rightarrow \Delta y. \checkmark$$

(1, v)

$$2^r - (x + m_{2^r}) \rightarrow x, \tau x \rightarrow \text{fast} \rightarrow x, 1 \rightarrow \tau x^r, m = \tau(1) \circ \tau^r$$

$$x^T - Kx + K \rightarrow Dy \quad \checkmark$$

1, VO

$$\alpha^3 - 3\alpha + 2 = 0 \rightarrow \alpha + \beta + \gamma = \alpha\beta + \gamma \rightarrow \alpha\beta + \gamma = \frac{8}{\alpha^3} + \alpha^3$$

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$$h(t) = -1.0 t^2 + 2.0 t \rightarrow h_{\max} = \frac{-\Delta}{2a} = \frac{-(2.0 \text{ m/s}^2)}{2(-1.0 \text{ m/s}^2)} = 1.0 \text{ m}$$

$$h_{s,1} \rightarrow 1 \cdot t(-t+a) \Rightarrow \begin{matrix} \rightarrow t: a \\ \rightarrow t: a \leftarrow \text{moving} \end{matrix}$$

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