

$$\frac{-b}{ra} s - 1$$

$$\frac{b' - fac}{-fa} s q$$

$$\begin{cases} 1 \leq 9a + 7b + c \\ 9 \leq a - b + c \end{cases}$$

$$-1 \leq 1a + 8b$$

$$-1 \leq 1a + b$$

$$ra \leq 1 - b \rightarrow$$

$$\frac{-b}{ra} s = \frac{-b}{-ra} s - 1$$

$$\frac{b}{1+b} s - 1 \rightarrow b \leq 1 \rightarrow a \leq \frac{1}{r}, c \leq 1 \rightarrow y \leq \frac{1}{r} - 2 + \frac{1}{r}$$

$$\Delta > 0 \quad b' - fac \leq m' - 1m - 1 \leq (m-1)(m+1) > 0$$

$$m < -\varepsilon, m > 1r$$

$$\frac{-\varepsilon}{+d} \frac{1r}{+d}$$

$$S > 0 \quad s = \frac{-b}{a} s - \frac{m}{a} s - \frac{m}{r} > 0 \rightarrow m < 0$$

$$P > 0 \quad p \leq \frac{c}{a} s \frac{m+1}{r} > 0 \rightarrow m > -1$$

$$\left. \begin{array}{l} m < 0 \\ m > -1 \end{array} \right\} \rightarrow -1 < m < -\varepsilon$$

$$\Delta > 0 \quad (rm-1) - \varepsilon(r-m) > 0$$

$$s \leq \frac{1}{p} \rightarrow \frac{-b}{a} s \frac{a}{c} \rightarrow a' s - bc \rightarrow 9s = (rm-1)(r-m)s$$

$$rm' - am + 1 - 9s \leq rm' - am - 1 \leq 0 \rightarrow m' - am - 1 \leq 0 \rightarrow (m-1)(m+1)$$

$$m \leq \frac{1}{r} \quad m \leq \frac{1}{r} - \frac{1}{\varepsilon}$$

$$n_1 + n_r s \leq 1, n_1 n_r s p \leq r$$

$$s' \leq n_1' + \frac{1}{n_r} + n_r' + \frac{1}{n_1} s(5' - 5p) + \frac{n_1 + n_r}{n_1 n_r} \cdot 1r + \frac{1}{r} s \frac{1}{\varepsilon}$$

$$p' \leq (n_1' + \frac{1}{n_r})(n_r' + \frac{1}{n_1}) s(n_1 n_r) + n_1' (\frac{1}{n_1}) + (\frac{1}{n_r} n_r') + \frac{1}{n_1 n_r} s$$

$$\frac{(n_1 n_r)' + n_1' + n_r' + \frac{1}{n_1 n_r} s - 1r}{-1r} \rightarrow n_1' - \frac{1}{r} n_1' - \frac{1r}{r} s$$

داده: $\lambda^2 - 1 = 0 \rightarrow \lambda^2 - 1 = 0$

د-2

$\lambda^2 - 1 = 0$

$s\alpha + \beta = \frac{-b}{a}$

9

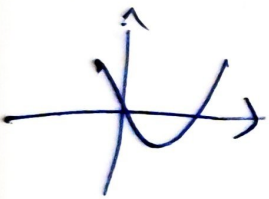
$\lambda_1, \lambda_2 \rightarrow \lambda_1 + \lambda_2 = -\frac{b}{a}$

$\lambda_1 + \lambda_2 = -\frac{b}{a}$

$\lambda = (-1) \pm \sqrt{14}$

$a = -1$

7- با توجه به شکل دال λ_1, λ_2 داریم $\lambda_1 < 0 < \lambda_2$



$\frac{-b}{a} = \frac{-(-1)}{1} = 1$

$\frac{-1 \pm \sqrt{14}}{1}$

$-\frac{1}{2} < \alpha < 0$

مقدار λ_1

مقدار λ_2

$\lambda_1 = -\frac{a}{2}$

$\lambda_2 = -\frac{a}{2}$

$(n, m) \rightarrow n, m$

$m_1 + m_2 = 1$

$b = -1$

$ab = 1$

$\lambda^2 - 1 = 0 \rightarrow \lambda = \pm 1$

$\lambda_1 = 1, \lambda_2 = -1$

$\lambda^2 - 1 = 0 \rightarrow \lambda = \pm 1$