

فصل سوم

$$\text{ext} \left| x = \frac{-b}{r_a} \right| \neq -1 \quad b < r_a$$

$$\begin{aligned} & \frac{1}{r} a - \frac{1}{r} b + c < 1 \quad A_1 - a < c \quad b < r a - \frac{1}{r} r - 1 \\ & \frac{1}{r} a + \frac{1}{r} b + c < 1 \quad - \frac{1}{r} b a + c \\ & \frac{1}{r} a - \frac{1}{r} b a \quad a < -\frac{1}{r} \end{aligned}$$

$$-\frac{1}{r} + 1 + c < 1$$

$$c < \frac{1}{r} b$$

$$-\frac{1}{r} x^r - x + \frac{1}{r} b$$

$$\Delta > 0 \quad p = \frac{c}{a} > 0 \quad s = \frac{-b}{a} > 0$$

$$b^r - \frac{1}{r} a c > 0 \quad \frac{m+1}{r} > 0 \quad \frac{-m}{r} < 0$$

$$m^r - \frac{1}{r} (x)(m+1) > 0 \quad \frac{1}{r} < m \quad m < 0$$

$$m^r - \frac{1}{r} m - \frac{1}{r} \Delta$$

$$(m - \frac{1}{r})(m + \frac{1}{r}) > 0 \quad -\frac{1}{r} (m < -\frac{1}{r})$$

$$\frac{-\frac{1}{r}}{4} = \frac{1}{4}$$

$$\alpha + B = \frac{1}{\alpha B} \Rightarrow \frac{-b}{a} = \frac{a}{c} = \frac{-(m-1)}{m} = \frac{r}{-(m-r)}$$

$$(m-r) = -bm + r \Rightarrow (m-r)(m+r) = 0$$

$$m = \frac{r}{r} = 1$$

$$(m-1)^r = \varepsilon(r)(1-m)^r$$

$$m=1 \Rightarrow r < 0 \text{ } \varepsilon$$

$$m = \frac{r}{r} \Rightarrow r < 1 \text{ } \checkmark$$

$$x^r_{-n-\xi s_0} p_s \frac{c}{a} s - \xi + m_1 n_1 \quad S s = \frac{b}{a} + 1$$

$$(x^r_i + \frac{1}{n_1}) (x^r_i + \frac{1}{n_2}) = x^r_1 x^r_2 + \underbrace{x^r_1 x^r_2}_{(-\xi)^2} + \underbrace{x^r_i + x^r_1}_{1 - (-\xi) \cdot 9} + \frac{1}{m_1 n_1}$$

$$x^r_1 + x^r_1 \cdot 5^r - 5^p$$

 MICRO

$$p = 4\varepsilon + 9 = \frac{1}{\varepsilon} = 00,10 \leq \frac{c}{2}$$

$$s = x_r^r + x_1^r + \frac{1}{x_1} + \frac{1}{x_r} = 1^r + (-\frac{1}{\varepsilon}) = 1^r, 10, \frac{-b}{a}$$

$$x_r^r + x_1^r = (x_1 + x_r)^r = r x_1 x_r (x_1 + x_r)$$

$$1 = r(-\varepsilon)(1) = 1^r$$

$$\frac{1}{x_1} + \frac{1}{x_r} = \frac{x_1 + x_r}{x_1 x_r} = \frac{1}{-\varepsilon}$$

$$x^r = 1^r, 10, x = 00,10$$

$$\left(\sqrt[r]{x^r} + \frac{1}{\sqrt[r]{x^r}} + 1 \right) (\sqrt[r]{x^r} - 1) \times (\sqrt[r]{x^r}) = r \sqrt[r]{x} (\sqrt[r]{x^r})$$

$$\left(\sqrt[r]{x^r} + \frac{1}{\sqrt[r]{x^r}} + \sqrt[r]{x^r} \right) (\sqrt[r]{x^r} - 1) = r x$$

$$(x^r - 1) = r x \quad x^r - 1 = x r$$

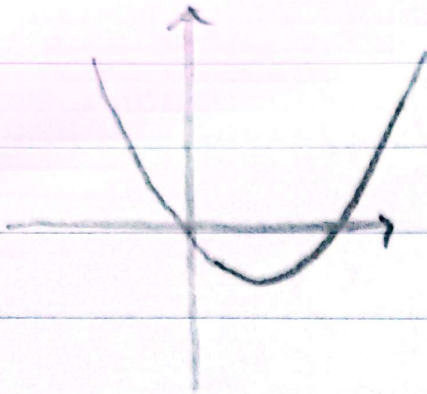
$$x + B, \frac{-b}{a} = \frac{r}{1}, r$$

$$x = rB \quad x.B = \frac{c}{a} = rB^r = \frac{\varepsilon}{r} \quad B = \pm \frac{r}{r} = r$$

$$x + B = \frac{-b}{a} = \frac{a}{r} = \varepsilon B$$

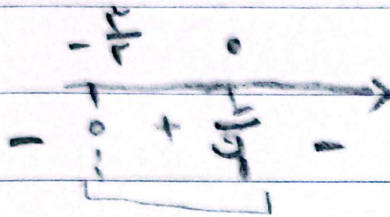
$$\frac{a}{r} = \frac{+1}{r} \quad \frac{a}{r} = \frac{-1}{r} \quad a = -1 \quad 1 = 1, 1^r$$

۷- پس یک درجه منفرجه



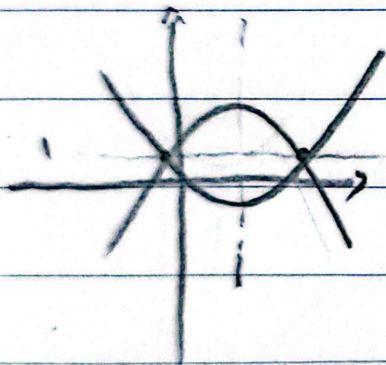
$$\frac{-b}{a} > 0 \quad \frac{-(2+2a)}{a}$$

$$a > 0$$



آوردیم باید خط xy را داریم که با هم از ناحیه سوم می‌گذرد
منتهی

$$-1 < \frac{-b}{2a} < \frac{2}{-2} < \frac{-a}{2} < -1$$



$$1 \leq x^2 + 2x - 2$$

$$0 \leq x^2 + 2x - 2$$

$$(x+1)(x-1) \leq 0$$

$$x \leq -1 \text{ or } x \geq 1$$

$$-1 \leq 2 + b \leq 1$$

$$b \leq -2$$

$$-9 \leq 4 + b \leq 1$$

$$b \leq -4$$

$$a \leq b \leq 2a \leq \sqrt{1}$$

$$S = \left(\alpha + \frac{1}{r}\right) + \left(\beta + \frac{1}{r}\right) = \underbrace{\alpha + \beta + 1}_{=1} = \frac{a}{r} \quad \text{---}$$

$$S = \frac{-a}{ra} = -\frac{1}{r} \quad a = 1 \quad \alpha\beta = \frac{c}{a} = \frac{-r}{a} = -\frac{r}{1} = -r$$

$$\begin{aligned} \left(\alpha + \frac{1}{r}\right)\left(\beta + \frac{1}{r}\right) &= \alpha\beta + \frac{1}{r}(\alpha + \beta) + \frac{1}{r^2} = \frac{b}{r} \\ &= -r + \frac{1}{r}\left(-\frac{1}{r}\right) + \frac{1}{r^2} = -r = \frac{b}{r} \quad b = -4 \quad \left[\frac{-4}{r}\right] = -r \end{aligned}$$

$$\underbrace{\alpha + \beta}_{=1} = \left(\alpha + \beta_r\right) = \beta - \beta_r = -r - (-4) = 4$$

$$\frac{-b}{a} = -r \quad \frac{-b}{a} = \frac{-4}{1}$$