

$$x_r = rx_1 \quad rx_1 - ax_1 + \epsilon = 0 \quad \begin{cases} rx_1 - ax_1 + \epsilon = 0 \\ rx_1 - \epsilon ax_1 + \epsilon = 0 \\ r\epsilon x_1 - \epsilon ax_1 = 0 \end{cases} \quad \begin{aligned} &rx_1(1 - a) = 0 \\ &rx_1 = 0 \quad \text{or} \quad 1 - a = 0 \end{aligned}$$

$$rx_1 - ax_1 + \epsilon = \frac{a^r}{\epsilon 1} - \frac{a^r}{1r} + \epsilon = 0 \Rightarrow \frac{-a^r}{\epsilon 1} = -\epsilon \quad \frac{a^r}{\epsilon} = \epsilon \quad a^r = \epsilon^2 \quad a = \pm 1$$

اختلاف مقادیر a

$$a > 0 \rightarrow \dots$$

$$y = ax_1 + (r+a)x$$

$$\Delta \leq (r+a)^r \leq \dots$$

از این معادله می توانیم حد را پیدا کنیم

$$y = x_1 + ax_1 - r \quad \frac{b}{a_1} = \frac{b}{a_r} = \frac{-a}{r} = \frac{1}{-r} \Rightarrow a = 1$$

$$y = -2x_1 - rx_1 + b$$

$$x_1 + rx_1 - r = 0 \Rightarrow x_1 + rx_1 - r = 0 \quad (x_1 + r)(x_1 - 1) = 0$$

$$-x_1 - rx_1 + b = 0 \Rightarrow -1 - r + b = 0 \Rightarrow b = \epsilon$$

$$ab = 1$$

$$\begin{cases} rx_1 - ax_1 + b = 0 \\ rx_1 + ax_1 - y = 0 \end{cases} \Rightarrow \begin{cases} rx_1 - ax_1 + b = 0 \\ rx_1 + ax_1 - y = 0 \end{cases}$$

$$S_1 = S_2 + 1$$

$$\frac{a}{r} = \frac{1}{r} + 1 \Rightarrow a = 1$$

$$\left[\frac{ab}{\epsilon} \right] = \left[\frac{-y}{\epsilon} \right] = [-1, 0] \Rightarrow a = 1$$

$$P_1 = (x + 10)(y + 10) = \dots \Rightarrow P_1 = \frac{a}{r} = \frac{b}{r} = -1$$

$$x_1 + 9x_1 + m = x_1 + (x - r)m$$

$$\epsilon x = -\epsilon m \quad x = -m$$

$$m^r - 9m + m = m^r - 0m = m(m - 0) \Rightarrow m = 0$$

$$\frac{x_1 + 0}{-7}, \frac{x_2 + 0}{-1} \quad x_1 = -11 \quad x_2 = -7 \quad |x_1 - x_2| = |-11 - (-7)| = 4$$