

②

$$\Rightarrow y = \frac{-x^2}{r} - x + \frac{1V}{r} \Rightarrow y = \frac{-x^2 - 2x + 1V}{r} \quad \checkmark$$

⑦

②

$$2x^2 + 4x - \frac{10}{4} = 0 \rightarrow \text{discriminant, } \checkmark \rightarrow m \leq \frac{5}{4} \checkmark$$

(1, 1, 1)

$$\Rightarrow \rho_{12} = (x_1^c + \frac{1}{x_1})(x_2^c + \frac{1}{x_2}) = (x_1, x_2)^c + x_1^r x_2^r + \frac{1}{x_1 x_2}$$

۵۷، ۲۵ - دقتاً!

②

$$\Rightarrow S_5 = \frac{b}{a} \sqrt{Y} \quad \checkmark$$

(1) V5

$$P \leq \frac{r}{c} \Rightarrow \text{max } \frac{r}{c} \Rightarrow a \leq \frac{r}{q} \Rightarrow a \leq \frac{r}{c}$$

$$\Rightarrow \left| \frac{r}{c} - \left(-\frac{r}{c} \right) \right| = \frac{r}{c}$$

$$\begin{aligned} x_{\text{ext}} \rightarrow \text{...} & \left\{ \frac{-c - ra}{ra} > 0 \rightarrow \frac{-\frac{c}{r}}{-\frac{1}{r} + \frac{1}{r}} \rightarrow \left(-\frac{r}{r} \right) \right\} \rightarrow \frac{1}{r} \rightarrow \text{...} \\ a > 0 & \text{...} \end{aligned}$$

(2)

$$\begin{aligned} \frac{+r}{-r} \leq \frac{-a}{r} & \Rightarrow a \leq r \\ 1 \leq a^r + r a - r & \Rightarrow a \leq 1 \\ \Rightarrow -1 - r + b \leq 1 & \Rightarrow b \leq r \end{aligned} \Rightarrow ab \leq 1 \quad \checkmark$$

(2)

$$\frac{a}{r} \leq \frac{-a}{ra} \quad r \leq \frac{1}{r} \Rightarrow a \leq 1$$

(2)

$$(a + 0/r)(b + 0/r) \leq a/b + 0/r(a + b) + 0/r(a + b) = b + \frac{r}{r} + 0/r(a + b) \leq \frac{b}{r}$$

$$\Rightarrow -r + \frac{-r}{r} + \frac{r}{r} \leq \frac{b}{r} \Rightarrow b \leq -4$$

$$\Rightarrow \left[\frac{ab}{r} \right] \leq \left[\frac{-4}{r} \right] \Rightarrow \left[-r \right] \quad \checkmark$$

$$x \rightarrow \text{...}$$

$$\Rightarrow \left\{ \begin{aligned} & x^r + r x - c m \leq 0 \\ & c x^r + 1 \leq c m \leq 0 \end{aligned} \right\} \Rightarrow x^r + r x \leq 0 \Rightarrow x \leq 0 \text{ or } x \geq -r$$

(2)

$$x^r + r x + d \begin{cases} -1 \\ -d \end{cases}$$

$$x^r + r x - 1 \leq (x + d)(x - c)$$

$$\left\{ \left| r - (-1) \right| = \frac{r}{r} \right\} \quad \checkmark$$

$$p = \alpha \cancel{\beta} = r \alpha^r, \frac{r}{r} \rightarrow \alpha = \mp \frac{r}{r}$$

-4

$$S = \alpha + \cancel{\beta} = r \alpha = \frac{a}{r} \rightarrow \mp \frac{1}{r} = \frac{a}{r} \rightarrow a = \mp 1$$

$$\text{اختلاف} = \boxed{14}$$