

$$\frac{-b}{2a} = -1 \Rightarrow b = 2a \Rightarrow n = -1 \Rightarrow a - b + c \leq 9 \Rightarrow -a + c \leq 9$$

$$n \leq 3 \Rightarrow 9a + b + c \leq 1 \Rightarrow 19a \leq -1 \Rightarrow a \leq -\frac{1}{19} \Rightarrow b \leq \frac{1}{2} \Rightarrow c \leq 9 - \frac{1}{19} \leq \frac{170}{19}$$

$$g \leq -\frac{1}{2}n^2 - n + \frac{170}{19}$$

$$y \leq n^2 + mn + m + 9 \leq 0 \Rightarrow mn + m + 9 \leq 0$$

$$\Rightarrow m^2 - nm - 4n \geq 0 \Rightarrow (m-n)(m-4) \geq 0 \Rightarrow \frac{m-4}{m-n} \geq 0$$

$$\Rightarrow \textcircled{1} m \in (-\infty, -4) \cup (4, \infty)$$

$$\textcircled{2} S = -\frac{m}{2} \geq 0 \Rightarrow m \leq 0$$

$$\textcircled{3} \frac{m+4}{2} \geq 0 \Rightarrow m \geq -4$$

$$-4 \leq m \leq 4$$

$$n^2 + (4m-1)n + 4 - m \leq 0 \Rightarrow n^2 + (4m-1)n + 4 - 4m \leq 0 \Rightarrow n^2 + (4m-1)n - 4m \leq 0$$

$$\Rightarrow n^2 + 4m - 1 \geq 0 \Rightarrow m \geq \frac{-n \pm \sqrt{4n^2 - 4(4m-1)}}{4} = \frac{-n \pm \sqrt{n^2 + 4m-1}}{2}$$

$$\Rightarrow -\frac{n \pm \sqrt{n^2 + 4m-1}}{2} \Rightarrow \frac{n-1-\sqrt{n^2 + 4m-1}}{2} \geq 0 \Rightarrow$$

$$\textcircled{1} m \in (-\infty, -1 - \frac{\sqrt{n^2 + 4m-1}}{2}) \cup (-1 + \frac{\sqrt{n^2 + 4m-1}}{2}, \infty)$$

$$\textcircled{2} \alpha + \beta \leq \frac{1}{\alpha \beta} \Rightarrow \frac{-n+1}{n^2 + 4m-1} \leq \frac{1}{n^2 + 4m-1} \Rightarrow n^2 + 4m - 1 \leq 0 \Rightarrow (4m-1)(m+1) \leq 0$$

$$\Rightarrow m \leq -1 \text{ or } m \geq \frac{1}{4}$$

$$n^2 - n - 4 = 0 \rightarrow s = 1 \quad p = -4$$

$$n^2 + n_1^2 + \frac{1}{n^2} + \frac{1}{n_1^2} = \frac{1}{(n_1 + n)^2} - 4(-4)(n_1 + n) + \frac{1}{n_1^2 n^2} - 4$$

$$\Rightarrow 1 + \frac{1}{n^2} + \frac{1}{n_1^2} = \frac{1}{(n_1 + n)^2} - 4$$

$$(n^2 + \frac{1}{n_1^2}) (n_1^2 + \frac{1}{n^2}) = \frac{1}{(n_1 + n)^2} + n_1^2 + n^2 + \frac{1}{n_1^2 n^2} - 4$$

$$1 - (-4) = 9 \quad -4$$

$$y \leq n^2 - \frac{1}{n_1^2} n - \frac{1}{n^2} - 4$$

$$\sqrt[n^2]{n^2} = t \rightarrow (t + \frac{1}{t} + 1) (t - 1)^2 = t^2 - \frac{1}{t^2} \rightarrow \sqrt[n^2]{n^2} - \frac{1}{\sqrt[n^2]{n^2}}$$

$$\Rightarrow \frac{n^2 - 1}{\sqrt[n^2]{n^2}} = \sqrt[n^2]{n^2} \rightarrow n^2 - 1 = n^2 \rightarrow n^2 - 2n - 1 = 0$$

$$-s = -2 \quad s = 2$$

$$2n - \alpha + \beta = 0 \quad \alpha = \beta \rightarrow p \leq \frac{1}{2} \rightarrow \beta^2 = \frac{4}{p^2} \rightarrow \beta^2 = \frac{4}{\alpha^2}$$

$$\alpha \rightarrow \alpha \rightarrow \beta - \alpha \rightarrow \beta \rightarrow \beta - \alpha = 2$$

$$\alpha - (-\alpha) = 14$$

$$1) n^2 + 4n + 4 = 0 \rightarrow s = -4 \rightarrow \alpha = -4 - \beta$$

$$2) n^2 + 4n - 4 = 0 \rightarrow s = -2 \rightarrow \alpha = -2 - \beta$$

$$\left. \begin{array}{l} -4 - \beta = -2 - \alpha \\ \alpha - \beta = 2 \end{array} \right\}$$

① *in S* *cur*

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$$\Delta > 0 \rightarrow a_1 a_2 a_3 a_4 a_5$$

$$(2a+2)^4 \geq 0 \rightarrow a \neq -\frac{4}{2}$$

$$\textcircled{2} \quad \text{Since } \frac{-x - 2a}{a} > 0 \rightarrow -\frac{x}{a} > 2$$

→ **هیچ معاشر**

$$y = -x^2 - 4x + b, y \leq x^2 + x - 4$$

$$\frac{-b}{2a} = \frac{x_1}{1} = \frac{-x}{2} \rightarrow x \leq 0$$

$$\begin{aligned} 1 &= -\lambda^2 - 4\lambda + b \\ 1 &= \lambda^2 + 4\lambda - 1 \end{aligned} \rightarrow 2 = -4 + b \rightarrow b = 6$$

$$a \times b = r \times t = n$$

$$y_n^* - a_n + b \leq 0 \rightarrow a_n \alpha + \frac{1}{2} + \beta + \frac{1}{2} \leq -\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$$

$$s = \frac{-(-a)}{\sqrt{}} \rightarrow \alpha \leq 1$$

$$P = (\alpha + \frac{1}{\tau})(\beta + \frac{1}{\tau}) = \alpha\beta + \frac{1}{\tau}(\alpha + \beta) + \frac{1}{\tau^2} = \frac{a+b}{\tau}$$

$$\rightarrow -r + \frac{1}{r} \left(-\frac{1}{r} \right) + \frac{1}{r} \leq \frac{a+b}{r} \rightarrow b \leq -q$$

$$a^b \leq (-q) \times 1 = -q \rightarrow \left[\frac{-q}{\epsilon} \right] = \left[-\frac{q}{\epsilon} \right] = \boxed{-e}$$