

$$x^2 - ax + b = 0$$

$$\alpha_1, \beta_1$$

$$yax^2 + bx - y = 0$$

$$\alpha_1 + \delta, \beta_1 + \delta$$

$$\left[\frac{ab}{\epsilon} \right] = ?$$

$$S_1, 25\gamma + \delta \times \gamma$$

$$\hookrightarrow \frac{a}{\gamma} = 1 + \frac{-\alpha}{\epsilon \alpha}$$

$$\frac{a}{\gamma} = 1 + \frac{-\alpha}{\epsilon \alpha} \rightarrow \frac{a}{\gamma} = 1 + \frac{-\alpha}{\epsilon \alpha} \rightarrow \frac{a}{\gamma} = 1 + \frac{-\alpha}{\epsilon \alpha}$$

$$-Y$$

$$\left[\frac{-Y}{\epsilon} \right]$$

$$b = -Y$$

$$ax^2 - ax - b = 0 \rightarrow a(x^2 - x) = b \rightarrow x^2 - x = \frac{b}{a} \rightarrow \beta - \alpha = \frac{b}{a}$$

$$s = 1, p = \frac{b}{a}$$

$$\left. \begin{aligned} \alpha = \beta + \gamma \\ \beta = \alpha + \gamma \end{aligned} \right\} \gamma_0(\beta + \alpha) + \gamma_0\beta - \gamma_0\alpha = 1 \vee$$

$$|\beta - \alpha| = ?$$

$$\hookrightarrow \beta + \alpha + \beta - \alpha = 2\gamma$$

$$s = 1, p = \frac{b}{a}$$

$$\hookrightarrow 1 + \frac{b}{a} \sim 1 + \frac{b}{a} = 2\gamma \rightarrow \frac{b}{a} = 2\gamma - 1$$

$$|\beta - \alpha| = \sqrt{\frac{\Delta}{4a}} \sim \sqrt{\frac{a^2 + 4ab}{4a^2}}$$

$$\sqrt{\frac{a^2 + 4ab}{4a^2}}$$

$$\sqrt{1 + \frac{4b}{a}}$$

$$\sqrt{1 + \frac{4b}{a}}$$

$$x^2 - (a+1)x + a = 0$$

$$\hookrightarrow \alpha, \beta$$

$$|\beta - \alpha| = ?$$

$$\hookrightarrow |\beta - \alpha| = 2\gamma \rightarrow \sqrt{\frac{\Delta}{4a^2}} = 2\gamma \rightarrow \sqrt{\frac{(a+1)^2 - 4a}{4a^2}} = 2\gamma \rightarrow \sqrt{\frac{a^2 - 2a + 1}{4a^2}} = 2\gamma \rightarrow \frac{|a-1|}{2a} = 2\gamma$$

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$$x^2 + x - 1 - m^2 = 0 \rightarrow p = 1 - m^2$$

$$\alpha^2 + \beta^2 = 1 \rightarrow s = 1, p = 1 - m^2$$

$$\min$$

$$1 + \gamma + m^2 \rightarrow \gamma + m^2$$

$$\gamma + m^2$$

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$$A(x, y) \rightarrow ax^2 + by^2 = C$$

$$B(-\delta, \gamma) \rightarrow x^2 + y^2 = 1 \rightarrow \frac{-b}{a} = -1 \rightarrow b = a$$

$$\gamma = 1 \rightarrow \frac{-\Delta}{4a} = C - \frac{b^2}{4a} \rightarrow C - a = 1$$

$$\alpha^2 + \beta^2 = \delta \rightarrow s = 1, p = \left(\frac{\gamma}{a}\right)^2 - \frac{\gamma^2}{a} \rightarrow \epsilon - \frac{\gamma^2}{a} = \delta \rightarrow \frac{\gamma^2}{a} = 1 \rightarrow \gamma^2 = a$$

$$C = ?$$

$$C = \frac{1}{a}$$

$$\left(\frac{1}{a} \right)$$

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