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$$x^2 - ax + 1 = 0 \quad S = -a + 3x = 1x = \frac{a}{x} \quad (1)$$

$$p = x + 3x = 4x = \frac{r}{x} \rightarrow x^2 = \frac{r}{4} \quad x = \pm \frac{\sqrt{r}}{2} \quad (5)$$

$$x + \frac{r}{x} = \frac{a}{x} \rightarrow a = 1 \quad x + \frac{r}{x} = \frac{a}{x} \rightarrow a = -1 \quad 1 + 1 = 2$$

$$x^2 - (m+1)x + 1 = 0 \quad mx^2 + 3x + 1 = 0 \quad (2)$$

$$\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = \frac{\sqrt{a} + \sqrt{b}}{\sqrt{ab}} = 4 \Rightarrow \sqrt{a} + \sqrt{b} = \frac{4}{\sqrt{ab}} \quad (15)$$

$$a + b + 2\sqrt{ab} = \frac{16}{ab} \quad \frac{m+1}{4} + \frac{r}{4} = \frac{16}{4}$$

$$m + 1 + r = 16 \Rightarrow m = -1 \quad -x^2 + 3x + 1 = 0 \rightarrow \frac{c}{a} = -1$$

$$x^2 + Kx - 1 = 0 \quad (3)$$

$$a + b = 1 \rightarrow a + \frac{r}{a} = 1 \rightarrow a^2 - a - r = 0$$

$$a + b = -r \rightarrow b = -\frac{r}{a} \rightarrow a = r \quad b = -1 \quad K = -3 \quad (5)$$

$$a + b = -r, \quad ab = 1 \quad (4)$$

$$x^2 + 3x + 1 = 0 \Rightarrow \frac{3}{4} (x^2 + 3x + 1) + \frac{1}{4} (x^2 - 3x + 1)$$

$$x^2 + 3x + 1 = 3x + 1 + 3x + 1, \quad x^2 - 3x + 1 = -3x + 1 + 3x + 1$$

$$1 + 3x + 1 = \frac{3}{4} (3x + 1) + \frac{1}{4} (-3x + 1)$$

$$1 + 3x + 1 = -3x + 1 \Rightarrow \sqrt{1} = -\sqrt{1}, \quad 3x - 3x = -2 + 3$$

$$ab = 1 \rightarrow p = 1 \Rightarrow a = 1$$





$$x^r - V x^r - \delta x^r t, \quad t^r - V t + \delta = 0$$

⑤

$$t = \frac{V + \sqrt{V^2 + 4}}{2} = x^r \rightarrow x = \frac{1}{2} \sqrt{V^2 + 4}$$

$$\Rightarrow S = 0 \quad p = \frac{-V - \sqrt{V^2 + 4}}{2} \Rightarrow 4p^r - 4S p + 4S = 4p^r$$

⑤

$$4p^r = \delta q + V \sqrt{q}$$

$$4x^r - a x + b = 0 \quad S = \frac{a}{4}, \quad p = \frac{b}{4}$$

$$4x^r - a x + b = 0 \quad \left\{ \begin{array}{l} S = \frac{a}{4} \\ p = \frac{b}{4} \end{array} \right.$$

$$4a x^r + a x - 4 \quad \left\{ \begin{array}{l} S = \frac{1}{4} \rightarrow \alpha + \beta = \frac{1}{4} = \frac{a}{4} \rightarrow a = 1 \\ p = -1 \rightarrow b = -4 \end{array} \right.$$

$$4a x^r + a x - 4 = 0 \quad S' = \frac{1}{4} \quad p' = -1 \quad \left[ \frac{ab}{4} \right] = -1$$

$$\frac{1}{4} \cdot 1 = \frac{1}{4} = \frac{a}{4} \Rightarrow a = 1$$

$$(a \cdot \frac{1}{4})(\beta \cdot \frac{1}{4}) = -1 \rightarrow \alpha \beta = \frac{-16}{4} = -4$$

$$\Rightarrow \frac{b}{4} = -1 \Rightarrow b = -4$$

$$\left[ \frac{ab}{4} \right] = -1$$

$$S = a \cdot 1 = r \cdot a \cdot r$$

$$p = a = r \cdot a \cdot r \quad \left\{ \begin{array}{l} r \cdot a \cdot r \cdot a + 1 = r \cdot a \cdot r \quad r = \pm 1 \Rightarrow r = 1, a = r \end{array} \right. \quad (1)$$

$$S = 1 = r \cdot B \cdot r \Rightarrow B = r, \quad b = r \cdot r = r^2 \quad b - a = \underline{r}$$

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

$$a + B = -1 - m^2 \quad \left\{ \begin{array}{l} r \cdot a \cdot B = 1 - r(-1 - m^2) = r \cdot m^2 + r \Rightarrow \min = r \end{array} \right. \quad (4)$$

$$A, B \xrightarrow{\text{opt}} \frac{-\partial a}{r} = -1 \rightarrow y = 1 \quad (16)$$

$$y - 1 = a(r + 1)^2 \rightarrow \frac{-1}{a} = (r + 1)^2$$

$$b = \sqrt{\frac{1}{a}} \rightarrow r = -1 \pm t \rightarrow a = -1 \pm t \quad B = -1 - t$$

$$r \cdot a \cdot B = 0 \rightarrow (-1 \pm t)^2 + (-1 - t)^2 = r \cdot a \cdot t^2$$

$$t^2 = \frac{r}{r} \rightarrow \frac{-1}{a} = \frac{r}{r} \rightarrow a = \frac{-r}{r} \quad y - 1 = a \rightarrow y = \frac{1}{r}$$

$$y =$$

$$r = 1 - \beta \quad r \cdot \beta^r + r \cdot (1 - \beta)^r - r \cdot \beta = r \Rightarrow r \cdot \beta \cdot (\beta - 1) = -1 \rightarrow \alpha \beta = \frac{1}{r} = \frac{-b}{a}$$

$$\rightarrow a = -r \cdot b$$

$$\alpha a^r - a \alpha - b = 0 \rightarrow -r \cdot b \cdot a^r + r \cdot b \alpha - b = 0 \quad |\alpha - \beta| = \frac{\sqrt{\Delta}}{|a|} = \frac{r}{r \cdot b}$$