

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

$$p = x + \frac{1}{x} = \frac{a}{\mu} \rightarrow x^2 - \frac{a}{\mu}x + \frac{a^2}{\mu^2} = 0 \quad x = \pm \frac{a}{\mu}$$

$$x + \frac{1}{x} = \frac{a}{\mu} \rightarrow a = 1 \quad x + \frac{1}{x} = -\frac{a}{\mu} \rightarrow a = -1 \quad 1 + 1 = 1 \quad -1 + 1 = 0$$

$$x^2 - (m+1)x + 1 = 0 \quad mx^2 + \frac{1}{x} = 0 \quad (2)$$

$$\frac{1}{\sqrt{x}} + \frac{1}{\sqrt{y}} = \frac{\sqrt{x} + \sqrt{y}}{\sqrt{xy}} = 4 \Rightarrow \sqrt{x} + \sqrt{y} = \frac{4}{\sqrt{xy}}$$

$$x + y + 2\sqrt{xy} = \frac{16}{xy} \quad \frac{m+1}{xy} + \frac{1}{y} = \frac{16}{xy}$$

$$m+1 \neq 16 \Rightarrow m = -1$$

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

$$x + \frac{1}{x} = 1 \rightarrow x^2 - x + 1 = 0 \quad x^2 + Kx - 1 = 0$$

$$x + \frac{1}{x} = -1 \rightarrow x^2 + x - 1 = 0 \quad K = -1$$

$$x + y = -1, \quad xy = 1 \quad (4)$$

$$x^2 + y^2 + 2xy = 1 + 2 \Rightarrow x^2 + y^2 = -1 \Rightarrow \frac{1}{x} + \frac{1}{y} = -1$$

$$x^2 + y^2 = -1 \Rightarrow x^2 + y^2 = -1 \Rightarrow x^2 + y^2 = -1$$

$$1 + 2 = -1 \Rightarrow \frac{1}{x} + \frac{1}{y} = -1 \Rightarrow \frac{1}{x} + \frac{1}{y} = -1$$

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

$$xy = 1 \rightarrow p = 1 \Rightarrow x = 1$$

$$\kappa^r - V \kappa^r - \delta \kappa^r t, \quad \kappa^r - V t + \delta = 0 \quad (10)$$

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

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

$$4p^r = \delta g_{rr} V \sqrt{V^2 + 4\delta}$$

$$4\kappa^r - a\kappa + b = 0 \quad S = \frac{a}{2}, \quad p = \frac{b}{2} \quad (11)$$

$$4a\kappa^r + a\kappa - 4 = 0 \quad S' = -\frac{1}{2}, \quad p' = -\frac{1}{2}$$

$$-\frac{1}{2} = \frac{1}{2} = \frac{a}{2} \Rightarrow a = 1$$

$$(a \frac{1}{2})(b \frac{1}{2}) = -\frac{1}{4} \rightarrow a b = -\frac{1}{\frac{1}{4}} = -1$$

$$\Rightarrow \frac{b}{\frac{1}{2}} = -1 \Rightarrow \underline{b = -1}$$

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

$$S = a_1 = \sqrt{x+1} \quad (1)$$

$$p = a = \sqrt{x+1} \quad \left\{ \begin{array}{l} \sqrt{x+1} \sqrt{x+1} = \sqrt{x+1} \quad x = -1 \Rightarrow x = 1, a = \sqrt{2} \end{array} \right.$$

$$S = 10 = \sqrt{B+1} \Rightarrow B = 9, b = \sqrt{9+1} = \sqrt{10} \quad b - a = \sqrt{10}$$

$$x + B = -\frac{b}{a} = -1 \quad (4)$$

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

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

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

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

$$\sqrt{x+1} \sqrt{B+1} = 0 \rightarrow (-1+t)^{\frac{1}{2}} + (-1-t)^{\frac{1}{2}} = \sqrt{x+1} t^{\frac{1}{2}}$$

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

$$y =$$