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$$F(x) = s^{\mu A + B}$$

$$y = x^{\mu}$$

$$x = 1, x = \mu$$

$$F(1) = s^{\mu A + B} = 1 \rightarrow \mu A + B = 0$$

$$\mu A + B = 0, \mu = \mu, \mu A + B = \mu$$

$$F(x) = s^{\mu A(x) + B} = s^{\mu - 1} = \frac{1}{s^{\mu}}$$

$$\begin{cases} \mu A + B = 0 \\ \mu A + B = \mu \\ \mu A = \mu \rightarrow A = 1 \\ B = -1 \end{cases}$$

$$\log_r (r^x + 1) = x + \mu \rightarrow E = (r^{\mu})^x = r^{\mu x}$$

$$\log_r (r^{\mu x} + 1) = x + \mu \rightarrow b = r^{\mu x} \rightarrow r^{\mu x} = b$$

$$\log_r (t^{\mu} + 1) = \log_r (r^{\mu x + \mu})$$

$$\Rightarrow t^{\mu} + 1 = s^{\mu x + \mu} = A t \rightarrow t^{\mu} - A t + 1 = 0$$

$$(b - r)(b - a) = 0$$

$$\Rightarrow r^{\mu x} = s^{\mu} \Rightarrow x = \log_r s^{\mu}$$

$$\boxed{t = r^{\mu}}$$

$$\boxed{t = a}$$

$$r^{\mu x} = a \Rightarrow x = \log_r a \rightarrow \log_r^{\mu} + \log_r^{\mu} = \log_r (a)$$

$$\log_r (r^{\mu}) + \log_r (r^{\mu}) = \log_r (r^{\mu x})$$

$$(r - a)(a + r) = r - a^{\mu}$$

$$r^{\mu} = r^{\mu x}$$

$$a = \log_r^{\mu}$$

$$a^{\mu} + (r - a)^{\mu} = r^{\mu}$$

$$r^{\mu x} = r^{\mu}$$

$$b = \log_r^{\mu}$$

$$\log_r (r^{\mu x}) = 1$$

$$a + b = 1 \rightarrow b = 1 - a$$

$$\log_r (r^{\mu}) = a + b$$

$$\log_r (r^{\mu}) = a + b \rightarrow a + b = 1$$

$$a + b = a + 1 - a = 1 \rightarrow a + b = 1$$

①

$$f(x) = s^{\mu A x + B}$$

$$y = x^{\mu}$$

$$x = 1, x = \mu$$

$$f(1) = s^{\mu} = 1 \rightarrow \mu A + B = 0$$

$$\mu A + B = 0, \mu^{\mu} = \mu A + B s^{\mu}$$

$$f(x) = s^{\mu A(x) + B}$$

$$s^{\mu-1} = \frac{1}{s^{\mu}}$$

$$\begin{cases} \mu A + B = 0 \\ \mu A + B = \mu \end{cases}$$

$$\mu A = \mu \rightarrow A = 1$$

$$B = -1$$

$$\log_r (r^x + 1) = x + \mu \rightarrow e = (r^{\mu})^x = r^{\mu x}$$

$$\log_r (r^{\mu x} + 1) = x + \mu \rightarrow b = r^x \rightarrow r^{\mu x} = b^{\mu}$$

$$\log_r (b^{\mu} + 1) = \log_r (r^{\mu x + \mu})$$

$$\Rightarrow b^{\mu} + 1 = r^{\mu x + \mu} \rightarrow e^{\mu} \wedge b^{\mu} + 1 = 0$$

$$\Rightarrow r^{\mu} = r^{\mu} \Rightarrow x = \log_r^{\mu}$$

$$r^{\mu} = b^{\mu} \Rightarrow x = \log_r^{\mu} \rightarrow \log_r^{\mu} + \log_r^{\mu} = \log_r^{\mu} (10)$$

$$(\log_{r_1}^{\mu}) + \log_{r_1} (10) = \log_{r_1} (10 r^{\mu})$$

$$r_1 = r^{\mu} \rightarrow a = \log_{r_1}^{\mu}$$

$$b = \log_{r_1}^{\mu}$$

$$\log_{r_1} (r^{\mu} + 1) = 1$$

$$a + b = 1 \rightarrow b = 1 - a$$

$$\log_{r_1} (r^{\mu} + 1) = a + b \rightarrow a = \frac{1}{\mu} (a + \mu b) (r^{\mu} + 1)$$

$$a + \mu b = a + \mu(1 - a) = \mu a + \mu(1 - a) = \mu$$

u: l o l u

$$-\log(x-2) - \log \frac{1}{(x-2)^2} \quad s^2$$

$$\log \frac{(-x)}{\sqrt{x}} \quad s^2$$

$$\log(x-2) + \log((x-2)^2) \quad s^2$$

$$(x-2)^2 \cdot (x-2) \rightarrow \log((x-2)^3) \quad s^2$$

$$\log(x-2) \quad s^2 \rightarrow \log(x-2) \quad s^1$$

$$x-2 < 0 \Rightarrow x < 2$$

$$\log \frac{(-x)}{\sqrt{x}} \quad s \quad \log \frac{1}{\sqrt{x}} \quad s^2$$

$$\frac{1}{s^2} \quad s^2$$

$$\frac{1}{\sqrt{x}} \quad s^2$$

$$s \quad \frac{1}{1+x} \quad s^2$$

$$\frac{x^2 - 2}{s^2} \quad x$$

$$\log_4(x)$$

$$x^2 - 2 \quad s^2 \quad x$$

$$x^2 - 2 < 0 \rightarrow x^2 - 2 < 0 \quad x < 2 + \sqrt{2}$$

$$x < 2 < 0 \Rightarrow x < 2 \quad x < 2 + \sqrt{2}$$

$$\log_4(x-2) \quad s^2 \rightarrow \log_4 \frac{1}{\sqrt{x}} \quad s^2$$

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$$\log_{\mu} \frac{a}{\lambda}$$

$$\log_{\lambda}^1 a?$$

$$a \log_{\mu} \frac{a}{\lambda} = \log_{\lambda}^1 a = \frac{\log_{\mu} a}{\log_{\mu} \lambda}$$

$$\log_{\mu}^1 a = \log_{\mu}^{\mu} a = \mu (\log_{\mu} a) = \mu a = \frac{a}{\lambda}$$

$$\log_{\mu}^{\lambda} a = \log_{\mu} (\lambda^{\mu}) = \log_{\mu} \lambda + \mu = a + \mu = \frac{a}{\lambda} + \mu = \frac{\mu}{\lambda}$$

$$\log_{\mu}^{\lambda} a = \frac{\frac{a}{\lambda}}{\frac{\mu}{\lambda}} = \frac{a}{\mu} = \frac{a}{\lambda}$$

$$\log_{\mu}^{\mu} a = \frac{a}{\lambda} = \frac{a}{\mu} \rightarrow \frac{\log_{\mu}^{\mu} a}{\log_{\mu}^{\mu} \mu} = \frac{\log_{\mu}^{\mu} a}{\mu} = \frac{a}{\lambda}$$

$$\log_{\mu}^{\mu} a$$

$$\log_{\mu}^{\mu} a = \frac{a}{\lambda}$$

$$\log_{\mu}^{\mu} a = \frac{\log_{\mu}^{\mu} a}{\log_{\mu}^{\mu} \mu} \rightarrow \log_{\mu}^{\mu} a = \log_{\mu}^{\mu} (\lambda^{\mu}) = \mu \log_{\mu} \lambda = \mu \left(\log_{\mu} \lambda + \frac{a}{\lambda} \right)$$

$$\log_{\mu}^{\mu} a = \frac{\mu}{\lambda} = \frac{\mu}{\lambda}$$

$$(a \log_{\mu}^{\mu} a)^{\mu} + a \log_{\mu}^{\mu} a = x^{\mu-1} (\sqrt{x})^{\frac{b}{\mu}} = ?$$

$$(a \log_{\mu}^{\mu} a)^{\mu} + a(-1) + b \log_{\mu}^{\mu} a = a \log_{\mu}^{\mu} a - a + b \log_{\mu}^{\mu} a$$

$$(a+b) \log_{\mu}^{\mu} a - a = 0$$

$$(a+b) \log_{\mu}^{\mu} a = a$$

$$(\sqrt{x})^{\frac{b}{\mu}} = x^{\frac{1}{\mu} \left(\frac{1}{\log_{\mu}^{\mu} a} - 1 \right)}$$

$$\left(1 + \frac{b}{a} \right) \log_{\mu}^{\mu} a$$

$$\log_{\mu}^{\mu} a = \log_{\mu}^{\mu} (x)^{\frac{1}{\mu}}$$

$$1 + \frac{b}{a} = \frac{1}{\log_{\mu}^{\mu} a} \rightarrow \frac{b}{a} = \frac{1}{\log_{\mu}^{\mu} a} - 1 \quad (\sqrt{x})^{\frac{b}{\mu}} = \left(\frac{1}{\mu} \right)^{\frac{1}{\log_{\mu}^{\mu} a}}$$

$$\sqrt{x} = \sqrt{a}$$