

$$f(x) = \mu^A x + B \quad f(1) = \mu^A + B = 1$$

$$y = x^2 \quad f(4) = \mu^A + B = 4$$

$$\begin{cases} A + B = 0 \\ \mu A + B = 4 \end{cases}$$

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$$f(x) = \mu^{x-1} \rightarrow \mu^{x-1} = 0 \quad | \text{ممنوع}$$

$$x = 1 \quad \begin{matrix} A = 1 \\ B = -1 \end{matrix}$$

$$f(1) = \mu^B = \mu^{-1} = \frac{1}{\mu}$$

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

$$r^x \times 1 = r^{\mu} + 1$$

$$r^x = t \quad t^{\mu} - \mu t + 1 = 0 \quad (t - \mu)(t - 1) = 0$$

$$\begin{cases} t = 1 & r = 1 & x = \log_r 1 \\ t = \mu & r = \mu & x = \log_r \mu \end{cases}$$

$$\log_r^{\mu} + \log_r^{\mu} = \log_r 1$$

$$(\log_r^{\mu})^2 + \log_r(\epsilon^x) \log_r(\mu^{\mu}) = \log_r 1$$

$$\log_r 1 = \log_r \frac{\mu^{\mu}}{r^{\mu}} = \log_r \mu^{\mu} - \log_r r^{\mu} = \mu \log_r \mu - \mu$$

$$\log_r \mu^{\mu} = \log_r r^{\mu} = \mu + \log_r \mu$$

$$(\log_r^{\mu})^2 + (\mu + \log_r \mu) (\mu - \log_r \mu) = \log_r 1$$

$$= \log_r \mu + \epsilon - \log_r \mu = \epsilon$$

$$\log(x^2 - 2x + 1) + \mu \log(1-x) = \epsilon$$

$$\log(1-x)^2 + \mu \log(1-x) = \mu \log(1-x) + \mu \log(1-x) \Rightarrow \log(1-x) = \epsilon$$

$$1-x = 1 \quad x = -4$$

$$\log_r^{-2} = \log_r^{\mu} = \mu$$

$$\log_r(x^2 + 2x + \epsilon) + \log_r(x-2) = \mu$$

$$\log_r(x^2 + 2x + \epsilon)(x-2) = \mu \rightarrow \log_r x^{\mu-1} = \mu$$

$$x^{\mu-1} = 1 \quad x = \sqrt[\mu]{\epsilon}$$

$$\log_r \frac{x}{r^{\mu}} = \log_r \frac{\epsilon}{r^{\mu}} = \frac{\mu}{\mu} \log_r \epsilon = \epsilon$$

$$\log(x-2) - \log \frac{1}{(x-1)^r} = \mu$$

$$\log \frac{x-2}{(x-1)^r} = \log(x-1)^{\mu} \quad (x-1)^{\mu} = 1000$$

$$(x-1) = 10 \quad \mu \begin{cases} \rightarrow 3 \\ \rightarrow -1 \end{cases}$$

$$\log \frac{-2}{\sqrt{r}} = \log \frac{1}{\sqrt{r}} = \log r^{\frac{1}{2}} = \frac{\mu}{2} = 4$$

$$\mu x^r - r = \lambda$$

$$\mu x^r - r = \mu \epsilon x$$

$$x^r - r = \epsilon x \quad x^r - \epsilon x - r = 0 \quad \Delta: 14 + 1 = 15$$

$$x = \frac{r + \sqrt{r^2 + 4r}}{2} = r + \epsilon \sqrt{4}$$

$$\log \frac{x-r}{4} = \log \frac{\sqrt{4}}{4} = \left(\frac{1}{2}\right)$$

$$\log^{\mu}_{\mu} = \frac{\omega}{\lambda}$$

$$\log^{\lambda}_{\lambda} = \frac{\log^{\lambda}_{\mu}}{\log^{\lambda}_{\mu}} = \frac{\mu \log^{\mu}_{\mu}}{\log^{\mu}_{\mu} + \log^{\mu}_{\mu}} = \frac{(\mu \times \frac{\omega}{\lambda})}{\frac{\omega}{\lambda} + \mu} = \frac{\frac{\omega}{\lambda}}{\frac{\omega}{\lambda} + \mu} = \frac{\omega}{\omega + \lambda \mu} = \left(\frac{\omega}{\lambda}\right)$$

$$\log^{\mu}_{\epsilon} = \lambda$$

$$\log^{\lambda}_{\mu} = \frac{\log^{\lambda}_{\mu}}{\log^{\lambda}_{\epsilon}} = \frac{\log^{\mu}_{\epsilon} + \log^{\mu}_{\epsilon}}{\log^{\mu}_{\epsilon} + \log^{\mu}_{\epsilon}} = \frac{\frac{1}{\mu} + \frac{\lambda}{1}}{\frac{\lambda}{1} + 1} = \frac{\frac{1}{\mu} + \lambda}{\lambda + 1} = \frac{\frac{1}{\mu}}{\frac{\lambda}{1} + 1} = \left(\frac{1}{\mu}\right)$$

$$(a \log^{\mu}_{\mu}) x^r + ax + b \log^{\mu}_{\mu} = c \quad -n = -1 \quad a \log^{\mu}_{\mu} - a + b \log^{\mu}_{\mu} = 0$$

$$(a+b) \log^{\mu}_{\mu} = a \quad \log^{\mu}_{\mu}(a+b) = a$$

$$(\sqrt{r})^{\frac{b}{a}} = ?$$

$$(\sqrt{r})^{\frac{b}{a}} = \sqrt{a}$$

$$r^{\frac{b}{a}} = a \quad \rightarrow \log^{\mu}_{\mu} r^{\frac{b}{a}} = \log^{\mu}_{\mu} a = a+b$$

$$a \log^{\mu}_{\mu} r = a+b$$

$$\log^{\mu}_{\mu} r = \frac{a+b}{a} = 1 + \frac{b}{a}$$