

$$\begin{bmatrix} 1 \\ 1 \end{bmatrix} \quad \begin{bmatrix} \mu \\ \rho \end{bmatrix}$$

$$\mu^{A+B} = 1$$

$$\mu^A = \mu$$

$$A+B=0$$

$$A=1$$

$$\mu^{\mu A+B} = \rho$$

$$B=-1$$

$$\mu^{A+B} = \mu$$

$$f(0) = \mu^{(A \cdot 0) + B} = \mu^{-1} = \boxed{\frac{1}{\mu}}$$

$$\mu^{\mu+\nu} = \mu^{\mu} + 1 \Delta$$

$$\mu^{\mu} = \Delta \quad \mu = \log_{\mu} \Delta$$

$$\mu^{\nu} = \mu \quad \nu = \log_{\mu} \mu$$

$$\Delta \cdot \mu^{\mu} = \mu^{\nu} + 1 \Delta$$

$$\log_{\mu} \mu + \log_{\mu} \Delta = \log_{\mu} \Delta$$

$$t^{\mu} - \Delta + 1 \Delta = 0$$

$$t = \Delta \quad t = \mu$$

$$\log_{\mu} \mu + \log_{\mu} \nu = 1$$

$$\log_{\mu} \nu = 1 - \log_{\mu} \mu$$

$$\log_{\mu} \mu^{\nu} = \log_{\mu} \mu + \nu \log_{\mu} \nu = a + \nu b$$

$$b = 1 - a$$

$$\log_{\mu} \mu^{\mu+\nu} = \log_{\mu} \mu + \nu = a + \nu$$

$$a^{\nu} + \underbrace{(a+\nu b)}_{\nu-a} (a+\nu)$$

$$a^{\nu} + (\nu-a)(a+\nu) = a^{\nu} + \nu - a^{\nu} = \nu$$

$$\log_{10} (x-1)^{\nu} (1-x)^{\mu} = \Delta$$

$$10^{\Delta} = (x-1)^{\nu} (1-x)^{\mu}$$

$$x = -9$$

$$\log_{\mu} \rho = \nu$$

$$\log_{\mu} (x^{\nu} + \nu x + \nu)(x-\nu) = \mu$$

$$x = \sqrt[\mu]{16}$$

$$\log_{\mu} \sqrt[\mu]{16} = \mu$$

$$\Delta = (x^{\nu} + \nu x + \nu)(x-\nu)$$

$$x^{\mu} - \Delta = \Delta$$

$$x^{\mu} = 16$$

$$\log_{10} \frac{(r-x)}{(x-r)^r} = \log_{10} (r-x)(x-r)^r = r \quad 10^r = (r-x)(x-r)^r \quad x = -1$$

$$\log_{10} \sqrt[r]{r} = r$$

$$r^r x = r^{r-x} \quad x^r - r x - r = 0 \quad x = \frac{r \pm \sqrt{r^2}}{r} = \begin{matrix} \nearrow r + \sqrt{r} \\ \searrow r - \sqrt{r} \end{matrix} x$$

$$\log_9^{r+\sqrt{r}-r} = \log_9 \sqrt[r]{r} = \frac{1}{r}$$

$$r \log_r^r = \log_r^r = \frac{1}{r} \quad \log_r^r = \frac{1}{r} \quad r \log_r^r = \log_r^r = \frac{1}{r}$$

$$\log_r^r + \log_r^r = \log_r^r = \frac{1}{r} \quad \log_r^r = \frac{1}{r}$$

$$\log_r^r = \log_r^r = \frac{1}{r} \log_r^r = 0,1 \quad \log_r^r = 1,9$$

$$\log_r^r = \frac{\log_r^r}{\log_r^r} = \frac{\log_r^r + \log_r^r}{\log_r^r + \log_r^r} = \frac{\frac{1}{r}}{\frac{1}{r}} = \frac{1}{r}$$

$$x_1, x_2 = \frac{b}{a} \quad -1 + x_2 = \frac{-1}{\log r} \quad x_2 = 1 - \frac{1}{\log r}$$

$$x_2 = \frac{-b}{a} \quad \frac{-b}{a} = 1 - \frac{1}{\log r} \quad \frac{b}{a} = \frac{1}{\log r} - 1$$

$$x_1 + x_2 = \frac{-1}{\log r} \quad \sqrt[r]{\frac{b}{a}} = r^{\frac{1}{r} \times (\frac{1}{\log r} - 1)}$$

$$\log_r^{10} - \log_r^r = \log_r^a$$

$$r \log_r^a = a \log_r^r = a^{\frac{1}{r}} = \boxed{\sqrt[r]{a}}$$

$$\frac{1}{r} \times \log_r^a = \log_r^a$$