

$f(x) = \mu^{Ax+B}$  →  $\mu^{\text{مرفی}} = ?$

$g = \mu^x = \begin{cases} x=1 \rightarrow g=1 \\ x=\mu \rightarrow g=9 \end{cases}$ 
 $\begin{cases} A+B = 1 \\ \mu A+B = 2 \end{cases}$ 
 $\begin{cases} A+B = 1 \\ \mu A+B = 2 \end{cases}$ 
 $\rightarrow \mu A = 2 - 1 \rightarrow A = 1$   
 $B = -1$   
 $f(x) = \mu^{x-1}$

$\log_{\mu} \mu^{x+1} = x+1$ 
 $\rightarrow \mu^x = \mu^{x+1} + 1$ 
 $\xrightarrow{\mu^x = t}$ 
 $t+1 = \mu t$ 
 $t - \mu t + 1 = 0$ 
 $t(1-\mu) + 1 = 0$ 
 $t = \frac{1}{\mu-1}$

$\log_{\mu} \mu^x \times \log_{\mu} \mu^y + \log_{\mu} \mu^{2x} \log_{\mu} \mu^{3y}$ 
 $\rightarrow \log_{\mu} \mu^x \cdot \log_{\mu} \mu^y + \log_{\mu} \mu^{2x} \cdot \log_{\mu} \mu^{3y}$ 
 $\rightarrow x \cdot y + 2x \cdot 3y$ 
 $\rightarrow xy + 6xy = 7xy$

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

$\log_{\mu} (\mu^x + 2x + 2) + \log_{\mu} (x-2) = \mu$ 
 $\rightarrow \log_{\mu} (\mu^x + 2x + 2) = \mu - \log_{\mu} (x-2)$ 
 $\rightarrow \mu^x + 2x + 2 = \mu^{\mu - \log_{\mu} (x-2)}$ 
 $\rightarrow \mu^x + 2x + 2 = \mu^{\mu} \cdot \mu^{-\log_{\mu} (x-2)}$ 
 $\rightarrow \mu^x + 2x + 2 = \mu^{\mu} \cdot \frac{1}{x-2}$

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

$$\log(r-x) \rightarrow \log \frac{1}{\sqrt{r}} = \log \frac{r}{r\sqrt{r}} = 4$$

$$\mu \log(r-x) = \mu \rightarrow r-x=1 \rightarrow x=-1$$

$$x^r - r = \mu \rightarrow x^r - \Sigma x - r = 0$$

$$\rightarrow 19 + (-\Sigma)(-4) = 18$$

$$\frac{r \pm r\sqrt{9}}{r} \rightarrow r \pm \sqrt{9}$$

$$\log \frac{(\sqrt{9})}{4} = \frac{1}{r}$$

$$\log \frac{r}{\mu} = \frac{d}{\lambda}$$

$$\log \frac{1}{1/\mu} \rightarrow \frac{\log \frac{1}{\mu}}{\log \frac{1}{\mu}} = \frac{\mu \log \mu}{\log \mu + \log \mu} \rightarrow \frac{r \times \frac{d}{\lambda}}{\frac{r}{\lambda}} = \frac{\log}{r}$$

$$\log \frac{\mu}{r} = 0/\lambda$$

$$\log \frac{9}{12} \rightarrow \frac{\log 9}{\log 12} = \frac{\log 3 + \log 3}{\log 3 + \log 4} = \frac{2 \log 3}{\log 3 + 2 \log 2} = \frac{2 \log 3}{\log 12} = \frac{2}{3}$$

$$(a \log r)^r + ax + b \log r = 0$$

$$a \log r - a + b \log r = 0 \rightarrow \log r (a+b) = a \rightarrow \log r = \frac{a}{a+b}$$

$$a(\log^r - \log^1) = -b \log r \rightarrow a(\log \frac{1}{r}) = -b \log r$$

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

$$(\sqrt{r})^{1/a} = \sqrt{a}$$

$$\log \frac{1}{a} + \log 1$$

$$a(\log^r - \log^1) = -b \log r$$

$$\log r^a = b$$

$$\log r = \frac{a}{a+b}$$

$$\frac{a}{-b} = \log \frac{1}{a}$$