

$$f(u) = \mu^{A u + B} \Rightarrow y = u^{\mu} \Rightarrow \alpha = 1 \Rightarrow y = 1 \text{ و } \alpha = \mu \Rightarrow y = \mu \Rightarrow \mu^{A+B} = 1 \Rightarrow A+B=0 \text{ و } \mu^{A+B} = \mu \Rightarrow A+B=\mu$$

$$\Rightarrow \begin{cases} A+B=0 \\ \mu A+B=\mu \end{cases} \Rightarrow \mu A = \mu \Rightarrow A=1 \Rightarrow B=-1 \Rightarrow \mu^{\alpha-1} = y \Rightarrow \alpha=0 \Rightarrow \mu^{-1} = y \Rightarrow y = \frac{1}{\mu}$$

$$\lim_{\mu} \varepsilon^{\alpha+1} = \alpha + \mu \Rightarrow \varepsilon^{\alpha+1} = \mu^{\alpha+1} \Rightarrow \varepsilon^{\alpha+1} = \mu^{\alpha+1} \Rightarrow \mu + 1 = \mu \times \mu^{\alpha}$$

$$\Rightarrow \mu - \mu \times \mu^{\alpha} + 1 = 0 \Rightarrow \mu = t \Rightarrow t - \mu t + 1 = 0 \Rightarrow (t-1)(t-\mu) = 0 \Rightarrow t=1 \text{ و } t=\mu$$

$$\mu^{\alpha} = \mu \Rightarrow \log_{\mu} \mu^{\alpha} = \alpha \text{ و } \mu^{\alpha} = \mu \Rightarrow \log_{\mu} \mu^{\alpha} = \alpha \Rightarrow \alpha + \beta = \log_{\mu} \mu^{\alpha} + \log_{\mu} \mu^{\beta} = \log_{\mu} \mu^{\alpha+\beta}$$

$$(\log_{\mu} \mu)^{\mu} + \log_{\mu} \mu^{\mu} \Rightarrow (\log_{\mu} \mu)^{\mu} + (\log_{\mu} \mu + \log_{\mu} \mu) (\mu \log_{\mu} \mu + \log_{\mu} \mu + \log_{\mu} \mu)$$

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

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

$$\log_{\mu} (\mu^{\mu - \mu \alpha + 1}) + \mu \log_{\mu} (1 - \alpha) = \alpha \Rightarrow \log_{\mu} (\mu - 1)^{\mu} + \log_{\mu} -(\mu - 1)^{\mu} = \alpha \Rightarrow \log_{\mu} -(\mu - 1)^{\mu} = \alpha$$

$$\Rightarrow \alpha \log_{\mu} -(\mu - 1)^{\mu} = \alpha \Rightarrow \log_{\mu} -(\mu - 1)^{\mu} = 1 \Rightarrow -(\mu - 1) = 1 \Rightarrow (\mu - 1) = -1 \Rightarrow \alpha = -1$$

$$\Rightarrow \log_{\mu} -\alpha \Rightarrow \log_{\mu} 1 = \mu$$

$$\log_{\mu} (\mu^{\mu + \mu \alpha + \varepsilon}) + \log_{\mu} (\mu - \mu) = \mu \Rightarrow \log_{\mu} (\mu^{\mu + \mu \alpha + \varepsilon}) (\mu - \mu) = \mu \Rightarrow (\mu^{\mu + \mu \alpha + \varepsilon}) (\mu - \mu) = \mu$$

$$\Rightarrow \mu^{\mu + \mu \alpha + \varepsilon} + \varepsilon \mu - \mu \mu - \varepsilon \mu - \mu = \mu \Rightarrow \mu^{\mu} - \mu = \mu \Rightarrow \mu^{\mu} = 2\mu \Rightarrow \mu = \sqrt[2]{2\mu}$$

$$\Rightarrow \log_{\mu} \sqrt[2]{2\mu} = \mu$$

$$\log^{(k-m)} - \log \frac{1}{(u-r)^r} = p \Rightarrow \log^{-(u-r)} - \log^{(u-r)^{-r}} = p$$

$$\Rightarrow \log \frac{-(u-r)}{(m-r)^{-r}} = p \Rightarrow \log^{-(u-r)^r} = p \Rightarrow -(u-r)^r = 10^p \Rightarrow (u-r) = 10 \Rightarrow u-r = -10$$

$$\Rightarrow u = -1 \Rightarrow \log \frac{1}{10} = 4$$

$$p^{u-r} = 10 \Rightarrow p^{u-r} = p^{10} \Rightarrow u-r = 10 \Rightarrow u-r = 10 \Rightarrow u-r = 10 \Rightarrow (u-r)^r = 4$$

$$\Rightarrow (u-r) = \sqrt[4]{4} \Rightarrow \log \frac{\sqrt[4]{4}}{4} = \frac{1}{p}$$

$$\log \frac{p}{p} = \frac{a}{\lambda} \Rightarrow \log \frac{1}{10} = ? \Rightarrow \log \frac{1}{p} \Rightarrow \frac{p \log \frac{1}{p}}{p + \log \frac{1}{p}} \Rightarrow \frac{p(\frac{a}{\lambda})}{p + \frac{a}{\lambda}} \Rightarrow \frac{\frac{10a}{\lambda}}{\frac{p\lambda + a}{\lambda}} = \frac{10a}{p\lambda + a} = \frac{10a}{p\lambda} = \frac{a}{p}$$

$$\log \frac{p}{p} = 0.1 \Rightarrow \log \frac{p}{10} = ? \Rightarrow \frac{\log \frac{p}{10}}{\log \frac{p}{10}} \Rightarrow \frac{\log \frac{p}{10}}{\log \frac{p}{10} + \log \frac{p}{10}} \Rightarrow \frac{\frac{1}{p} + \log \frac{p}{10}}{1 + \log \frac{p}{10}} \Rightarrow \frac{\frac{1}{p} + 0.1}{1 + 0.1} \Rightarrow \frac{1/p + 0.1}{1.1} = \frac{1/p}{1.1} = \frac{1/p}{\lambda}$$

$$(a \log^r) u^r + a u + b \log^r = 0 \Rightarrow a = -1 \Rightarrow a \log^r - a + b \log^r = 0 \Rightarrow \log^r (a+b) = a$$

$$\Rightarrow \log^r = \frac{a}{u+b} \Rightarrow \frac{1}{\log^r} = \frac{u+b}{a} \Rightarrow \frac{1}{\log^r} = 1 + \frac{b}{a} \Rightarrow \frac{b}{a} = \frac{1}{\log^r} - 1$$

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