

①

$$m < 1 \rightarrow 1 < m^{A+B}$$

$$A+B < 0$$

$$m < m \rightarrow q < m^{A+B}$$

$$m^{A+B} < m$$

$$m^A < m \rightarrow A < 1$$

$$B < -1$$

$$\text{مثلاً } m^{-1} \Rightarrow \frac{1}{m}$$

$$\log_p (t^m + 10) < m + k$$

$$t^m + 10 = p^{m+k}$$

$$\hookrightarrow p^m - p^{m+k} + 10 = 0$$

$$\hookrightarrow (p^m)^2 - \lambda \times p^m + 10 = 0 \rightarrow p^m = t$$

$$\log_p^m + \log_p^0 = \log_p^{10}$$

$$t^2 - \lambda t + 10 = 0 \rightarrow (t - m)(t - d) = 0$$

$$t = m \rightarrow p^m = m \quad m = \log_p^m$$

$$t = d \rightarrow p^m = d \quad m = \log_p^d$$

②

$$(\log_{p_1}^m)^r + (\log_{p_1}^v + \log_{p_1}^r) (\log_{p_1}^m + r \log_{p_1}^r) = \log_{p_1}^v \quad \text{③}$$

$$(\log_{p_1}^m)^r + (r - \log_{p_1}^r) (r + \log_{p_1}^r) = \cancel{(\log_{p_1}^m)^r} + r - \cancel{(\log_{p_1}^r)^r} = r \quad \text{④}$$

$$\log (1-m)^r + m \log (1-m) = 0$$

$$\log_{p_1}^q = r$$

$$\partial \log (1-m) = 0$$

$$\log (1-m) = 1 \quad (1-m) = 10 \quad m = -9$$

⑤

$$\log_p^{m^r + km + r} + \log_p^{m-r} = \log_p^{m^r - 1} \quad \text{⑥}$$

$$m^r - 1 < 1 \rightarrow m^r < 14 \rightarrow m < \sqrt[14]{14} \quad \log_{p_1}^{\sqrt[14]{14} - 1} = \frac{1}{14} \quad \log_{p_1}^{\sqrt[14]{14} + 1} = \frac{1}{14}$$

$$\log^{r-m} - \log^{(r-m)^{-1}} \leq \mu \Rightarrow \mu \log^{r-m} \leq \mu \log^{r-m} \leq 1 \quad (4)$$

$$r-m \leq 1, \quad m \leq -1 \quad \log_{\sqrt{\mu}}^{\wedge} \leq \frac{\mu}{\frac{1}{\mu}} \leq 4$$

$$\mu^{m-r} \leq \mu^m$$

(V)

$$m-r \leq m-r \leq 0 \rightarrow (m-r)^2 \leq 4 \Rightarrow m-r \leq \sqrt{4} \Rightarrow m = r + \sqrt{4}$$

$$m-r \leq -\sqrt{4} \Rightarrow m \leq r - \sqrt{4} \quad \text{GUE}$$

$$\log_{\mu}^{r+\sqrt{4}-r} \leq \log_{\mu}^{\sqrt{4}} \leq \frac{1}{\mu}$$

$$\log_{\mu}^{\wedge} = \frac{\log_{\mu}^{\wedge}}{\log_{\mu}^{\wedge}} = \frac{\mu}{\log_{\mu}^{\wedge} + \log_{\mu}^{\wedge}} = \frac{\mu}{1 + \mu \log_{\mu}^{\wedge}} = \frac{\mu}{1 + \mu \left(\frac{\wedge}{\delta}\right)}$$

$\frac{\delta}{\wedge}$ (مقلوب)

(A)

$$\frac{\mu}{\frac{\mu}{\delta}} \Rightarrow \mu \times \frac{\delta}{\mu} \Rightarrow \frac{\delta}{\mu}$$

$$\log_{\mu}^{\wedge} = \frac{\log_{\mu}^{\wedge}}{\log_{\mu}^{\wedge}} = \frac{\log_{\mu}^{\wedge} + 1}{\log_{\mu}^{\wedge} + \mu} = \frac{1/\mu + 1}{1/\mu + \mu} \Rightarrow \frac{1}{\mu} \log_{\mu}^{\wedge} = \frac{\wedge}{1}$$

$$\log_{\mu}^{\wedge} = 1/\mu$$

(9)

$$\frac{1/\mu}{1/\mu} \Rightarrow \frac{1/\mu}{1/\mu}$$

1 1

$$m = -1 \rightarrow a \log_r x - a + b \log_r x = 0 \rightarrow \log_r x = y \quad ay - a + by = 0 \quad (1.)$$

$$G: a \rightarrow y = -1 + \frac{b}{a} y = 0 \rightarrow y = \frac{b}{a} y = 1 \rightarrow 1 - \frac{b}{a} = \frac{1}{\log_r x}$$

$$1 - \frac{b}{a} = \log_r 1 \rightarrow 1 - \frac{b}{a} = 1 + \log_r 0 \rightarrow \frac{b}{a} = -\log_r 0$$

$$\sqrt{x}^{-\log_r 0} = 0^{-\frac{1}{p}} = \sqrt{\frac{1}{0}}$$