

بسم الله الرحمن الرحيم

۲ ω۱ ω_1 ω_2 ω_3 ω_4 ω_5 ω_6 ω_7 ω_8 ω_9 ω_{10} ω_{11} ω_{12} ω_{13} ω_{14} ω_{15} ω_{16} ω_{17} ω_{18} ω_{19} ω_{20} ω_{21} ω_{22} ω_{23} ω_{24} ω_{25} ω_{26} ω_{27} ω_{28} ω_{29} ω_{30} ω_{31}

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SUBJECT

Year: Month: Day:

$$b + c = -\frac{r}{p} \quad | \quad 1 - \log_c^{-\frac{r}{p} a - b} = 0 \Rightarrow c = -\frac{r}{p} a - b \quad (1)$$

$$r = 1 - \log_c^{-b} \quad r = 1 - \log_c^{-b} \Rightarrow b + c = -\frac{r}{p} a \Rightarrow -\frac{r}{p} = -\frac{r}{p} a \Rightarrow a = 1$$

$$\Rightarrow \frac{1}{c} = -b \stackrel{c = \frac{1}{p}}{\Rightarrow} b = -r \quad b + c = -\frac{r}{p} \Rightarrow c - \frac{1}{c} = -\frac{r}{p}$$

$$\Rightarrow c^r + \frac{r}{p} c - 1 = 0 \quad \frac{-\frac{r}{p} \pm \sqrt{\frac{r^2}{p^2} + 4}}{2} \quad c = -\frac{r}{p} \quad \frac{1}{c} = \frac{1}{p} \quad (1 + \frac{1}{p}) a - r = -\frac{r}{p}$$

$$\begin{array}{l|l} 1 & 0 \\ 0 & \frac{r}{p} \end{array} \rightarrow 0 = 1 + c \times r \rightarrow r = -\frac{1}{c} \rightarrow \log_c^{-c} = a + b - \frac{1}{c} > 0$$

$$\frac{r}{p} = 1 + c \times r \rightarrow -r = c \times r \rightarrow (c-1) r = -1 \Rightarrow b + a = 0 \Rightarrow b = -a$$

$$\Rightarrow f(-1) = 1 - \frac{1}{a} = \frac{a-1}{a}$$

$$\begin{array}{l|l} r & 0 \\ 0 & r \end{array} \rightarrow -c = \log_c(r, f(a+b)) \rightarrow a^{-c} = r, f(a+b) \Rightarrow a^{-c} = a^r + a^{-c} = \frac{a^r + a^{-c}}{a} (1+r)$$

$$\left[r = c + \log_c^b \rightarrow \omega = b \rightarrow r \omega \times \omega^{-c} = b \rightarrow \omega^{-c} = \frac{b}{r \omega} \Rightarrow \frac{b}{r \omega} = \frac{1}{\omega} \Rightarrow \frac{b}{r} = 1 \Rightarrow \frac{b}{r} = 1 \Rightarrow b = r$$

$$|x^r - n| > n \Rightarrow x^r - r > n \rightarrow x^r - n - r > 0 \rightarrow \frac{-r}{2} < x < \frac{-r}{2}$$

$$|x^r - n| < n \Rightarrow x^r - r < -n \rightarrow x^r + n - r < 0 \rightarrow \frac{-r}{2} < x < \frac{-r}{2}$$

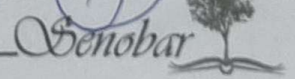
$$\underline{U} \rightarrow (-\infty, -1) \cup (r, +\infty)$$

$$g(1) = f(1) \Rightarrow -1 - r + 1 = r + r \quad b = a \quad | \quad b = a \Rightarrow r = r \Rightarrow 1 = b - a$$

$$f(-1) = b \Rightarrow 1 \leq r + r \rightarrow r = r \Rightarrow a + b = r$$

$$a = 1, b = r$$

$$r b - a = r$$



$$f(1) = g(1) \rightarrow 0 = r + r^{-A-B} \rightarrow A-B = 1$$

$$f(r) = g(r) \rightarrow r = -r + r^{-1A-1B} \rightarrow r = r^{-1A-1B} \rightarrow rA + B = -\mu \quad \left. \begin{matrix} = 2A = -1 \\ B = 0 \end{matrix} \right\}$$

$$f(r) = r + r^{-\mu} \rightarrow \frac{m}{y} = M\left(\frac{\Delta}{9}\right)^t \rightarrow \log_{\frac{\Delta}{9}} \frac{m}{y} = t \rightarrow t = -\log_{\frac{\Delta}{9}} \frac{m}{y}$$

$$= -\frac{\log_{\omega} \frac{m}{y}}{\log_{\omega} \frac{\Delta}{9}} = -\frac{\log_{\omega} m - \log_{\omega} y}{\mu \log_{\omega} \frac{\Delta}{9} - t \log_{\omega} \omega} = \frac{-9\omega}{-1\omega} \text{ h } \approx 10 \text{ min}$$

$$f = \frac{m}{y} \rightarrow \frac{M}{V} = M\left(\frac{V}{\lambda}\right)^t \rightarrow \log_{\frac{V}{\lambda}} \frac{M}{V} = t \rightarrow -\log_{\frac{V}{\lambda}} \frac{M}{V} = t = -\frac{\log_{\mu} \frac{M}{V}}{\log_{\mu} \frac{V}{\lambda}}$$

$$= \frac{-\log_{\mu} \frac{M}{V}}{\log_{\mu} \frac{V}{\lambda} - \mu \log_{\mu} \frac{V}{\lambda}} = \frac{f_0}{-\omega} = \omega^t \text{ (is)}$$

$$100 - 1r, \omega = 1r, \omega = \frac{V}{\lambda} / \log_{\mu} \frac{r}{\omega} = \frac{\omega}{\lambda} / \log_{\mu} \frac{V}{\mu} = \frac{\omega}{\mu}$$

$$\frac{100 \times \left(\frac{r}{\omega}\right)^t}{100} = \frac{1}{\mu} \times \frac{100}{100} = \left(\frac{94}{100}\right)^t = \frac{1}{\mu}$$

$$\frac{r}{\omega} = \frac{1}{\mu}$$

$$\Rightarrow t) \log_{\frac{94}{100}} = \log_{\mu} \frac{1}{\mu} \Rightarrow t) (\log_{\frac{94}{100}} - t) = -\log_{\mu} \mu \Rightarrow t) (\omega \log_{\mu} \frac{r}{\omega} - t) = -\log_{\mu} \mu$$

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

$$\log_{\mu} \mu = 0 / \mu \Rightarrow t) (1/\omega + 0 / \mu - t) = - (0 / \mu) \rightarrow t = 1 / \omega$$

$$y = n \log_{\omega}^a = n^r / n^{\omega}$$

$$n^r > 0 \quad n \in \mathbb{R} - \{0\}$$

