

$$\log_m n = a$$

$$\log_m^m n = b$$

$$[b] = ?$$

$$\frac{a+1}{a+1} \log n^a x n = n^{a+1} = b$$

$$n^a = m$$

جاك ذرا

نوسنگ ارسی

بازمیری

$$\frac{a+1}{a+1} = b$$

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

$$[b] = 1$$

1

$$\sqrt{m^a} = \sqrt{n^a}$$

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① $\lim_{x \rightarrow 0^+}$

$$\left[\frac{\frac{1}{x} \log x}{\frac{1}{x} \log x} \right] = 1$$

$$\log x \neq 0 \quad (x \neq 1)$$

$$\{1\} - (\infty + \infty) = \emptyset$$

$$\frac{\frac{1}{x} \log x}{x} \quad (x \neq 1)$$

$$\log x \neq 0$$

$$\frac{\frac{1}{x} \log x}{x}$$

$$y = \log_{\frac{1}{x}}(x-1)$$

$$(x-1)(x+1)$$

$$x^2 - 1$$

$$\frac{1}{x+1} + \frac{1}{x-1}$$

$$\frac{1 + \sqrt{1-x^2}}{\sqrt{1-x^2}}$$

$$x^2 - 1$$

$$x^2$$

$$\{1\} - \{x\}$$

$$(x+6) \cap (1-6) = \emptyset$$

$$Y \log_{\kappa} a + \log \frac{\sqrt{\kappa}}{a} = Y$$

$$\kappa = 4$$

(4)

$$\frac{1}{\mu} Y \log a + \frac{1}{\log a} = Y$$

نوسنگ از
B) سرمهیل

$$\log \frac{a}{\mu} + \frac{1}{\log a} = Y$$

$$t + \frac{1}{t} = Y$$

$$t^Y + 1 - Yt = 0$$

~~(+1)~~

$$t = +1$$

$$(t-1)^Y = 0$$

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

$$a = \mu$$

$$\log K = \alpha_1 \kappa \quad \log \omega = \alpha_1 N$$

$$\log \kappa = \alpha_1 \kappa$$

$$(\log \frac{\omega}{\kappa}) \kappa^2 + (\log \kappa) \kappa - \log \omega$$

$$(\log \omega - \log \kappa) \kappa^2 + \gamma (\log \kappa) \kappa - (\log \kappa + \log \omega) = 0$$

$$(\alpha_1 N - \alpha_1 \kappa) \kappa^2 + \gamma (\alpha_1 \kappa) \kappa - (\alpha_1 \kappa + \alpha_1 N) = 0$$

$$\alpha_1 N \kappa^2 + \alpha_1 N \kappa - 1,1 = 0$$

$$N \kappa^2 + N \kappa - 1,1 = 0$$

$$\kappa^2 + N \kappa - 1,1 = 0$$

$$(\kappa + 1,1)(\kappa - 1) = 0$$

$$\left(\frac{\kappa + 1,1}{\mu} \right) \left(\frac{\kappa - 1}{\mu} \right) = 0$$

$$\text{الناتج النسبي} = \frac{1,1}{\mu}$$

$$\log_{10} V = 1,1$$

$$\log_{10} A = 0,9$$

$$\log_{10} R = \frac{1}{\log_{10} A} = 1$$

⑧

$$\log_{10} B = ?$$

$$\frac{\log_{10} B}{\log_{10} R} = \frac{\log_{10} A + \log_{10} R}{\log_{10} V + \log_{10} R} = \frac{0,9}{1,1}$$

$$\log_{10} A = 0,9$$

$$\log_{10} V = 1,1 \quad \log_{10} R = \frac{10}{14}$$

⑨

$$\log_{10} B = ?$$

$$\frac{\log_{10} B}{\log_{10} R} = \frac{\log_{10} V + \log_{10} R}{\log_{10} A + \log_{10} R} = \frac{1,1}{0,9}$$
$$\frac{\frac{10 \times 14}{14 \times 10}}{0,9} = \frac{9,0}{100}$$

⑩

$$\frac{1}{k} \log_{10} X = m$$

$$\log_{10} X = km$$

$$\frac{1}{k} \log_{10} X = ?$$

$$\log_{10} V + \log_{10} X = km + 1$$

$$X \log_{10} V = \frac{km + 1}{k}$$

$$\log_{10} V + \log_{10} X = \frac{km + 1}{k} + 1$$

$$\log_{10} X = \frac{km + 1}{k}$$

$$\frac{1}{k} \log_{10} X = \frac{km + 1}{k}$$

$$\textcircled{V} \quad \log_y^{4x+1}$$

$$\left. \begin{array}{l} x = \frac{1}{4} \\ x = -1 \end{array} \right\} \Rightarrow$$

$$\log_y^x = \frac{1}{4}$$

$$(0.1x)^{4x-1} = \left(\frac{1}{10}\right)^{4x-1}$$

$$\log_{\frac{1}{10}} \rightarrow \text{底の逆数}$$

\textcircled{V}

$$\frac{1}{10} = \left(\frac{1}{10}\right)^{-1} \left(\frac{1}{10}\right)^{4x-1}$$

$$\left(\frac{1}{10}\right)^{-1} = \left(\frac{1}{10}\right)^{4x-1}$$

$$4x-1 = 4x-1$$

$$x = \begin{cases} \frac{1}{4} \\ -1 \end{cases}$$

$$4x-1 = 0$$

④

$$\log_{\gamma}^{\gamma} = a \quad \log(\gamma b - 1)$$

$$\frac{1}{\gamma} \log_{\gamma}^b = \frac{1}{\gamma} (1 + a)$$

$$\frac{1}{\gamma} \log_{\gamma}^b = \frac{1}{\gamma} (1 + a)$$

$$\log_{\gamma}^b = \gamma + \gamma a = \log_{\gamma}^{\gamma} + \log_{\gamma}^{\gamma} a$$

$$\log_{\gamma}^b = \log_{\gamma}^{\gamma a} \quad b = \gamma a$$

$$\log(\gamma b - 1) = \log 100 = 1$$