

عرفان حقیقہ یاز دہم سہ ماہی

$$y = m^x \begin{cases} n=1 & y=1 \\ n=m & y=9 \end{cases} \quad \begin{cases} m^{A+B} = 1 \\ m^{mA+B} = 9 \end{cases} \quad (1)$$

$$\begin{cases} A + B = 1 \\ mA + B = 9 \end{cases} \Rightarrow A = 1 \quad B = -1$$

$$m = \dots \Rightarrow m^{-1} = \frac{1}{m}$$

$$r^{m+n} = r^n + 10 \Rightarrow r^n \times r = r^n + 10 \Rightarrow r^n = \frac{10}{r-1}$$

$$r - 1 + 10 = \dots \Rightarrow r = 11, r = 10$$

$$\log_r^{\omega} - \log_r^{\mu}$$

$$(\log_r^{\mu})^r + \log_r^{\omega} \log_r^{\mu} = ? \Rightarrow (\log_r^{\mu})^r + (\log_r^{\omega} + \log_r^{\mu})$$

$$(\log_r^{\mu} + \log_r^{\mu})^r \Rightarrow (\log_r^{\mu})^r + (\log_r^{\omega} + 1)(\log_r^{\mu} + r)$$

$$\Rightarrow (\log_r^{\mu})^r + \log_r^{\omega} \log_r^{\mu} + r + \log_r^{\omega} \Rightarrow \log_r^{\mu} (\log_r^{\omega} + \log_r^{\mu}) + r$$

$$\Rightarrow \log_r^{\mu} + r + \log_r^{\omega} = r$$

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$$\log_{1.} (n-1)^r + \log_{1.} (1-n)^r = \omega$$

$$(n-1)^r = (1-n)^r \Rightarrow \log_{1.} (1-n)^{\omega} = \omega$$

$$1.^\omega = (1-n)^\omega \Rightarrow \boxed{n = -1}$$

$$(n^r + r n + r) (n-1) \Rightarrow n^r - 1 \Rightarrow \log_r n^{r-1} = r$$

$$n^{r-1} = 1 \Rightarrow n^r = 1 \Rightarrow n = \sqrt[r]{1}$$

$$\log_r \sqrt[r]{1} \Rightarrow \log_r 1 = r$$

$$\log_{1.} (r-n) = \log_{1.} \frac{1}{(r-n)^r} = r \Rightarrow (n-r) = (r-n)^r$$

$$\Rightarrow \frac{(r-n)}{1} \Rightarrow (r-n) = 1.^\mu \Rightarrow \boxed{n = -1}$$

$$\log_r \frac{1}{\sqrt[r]{r}} \Rightarrow \log_r r \Rightarrow \log_r r = 1$$

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$$n^r - r = n \Rightarrow n^{r-1} = r \Rightarrow n^r - r = n - r = .$$

$$n = r \pm \sqrt{r} \Rightarrow n = r + \sqrt{r} \Rightarrow \log_{\frac{r}{r}}^{\sqrt{r}} = \frac{1}{r}$$

$$\log_{\frac{1}{1}}^{\Lambda} \Rightarrow \frac{\log_{\frac{1}{\mu}}^{\Lambda}}{\log_{\frac{1}{\mu}}^{\Lambda}} \Rightarrow \frac{\mu \log_{\frac{1}{\mu}}^r}{\log_{\frac{1}{\mu}}^r + \log_{\frac{1}{\mu}}^r} \Rightarrow \frac{r \left( \frac{\omega}{\Lambda} \right)}{r + \frac{\omega}{\Lambda}}$$

$$\Rightarrow \log_{\frac{1}{1}}^{\Lambda} = \frac{\omega}{r_1}$$

$$\log_{\frac{1}{r}}^y = \frac{\log_{\frac{1}{r}}^y}{\log_{\frac{1}{r}}^y} \Rightarrow \frac{\log_{\frac{1}{r}}^r + \log_{\frac{1}{r}}^r}{\log_{\frac{1}{r}}^r + \log_{\frac{1}{r}}^r} \Rightarrow \frac{\frac{1}{r} + \frac{\Lambda}{r}}{\frac{\Lambda}{r} + 1}$$

$$\Rightarrow \log_{\frac{1}{r}}^y = \frac{1}{\Lambda}$$

$$a \log_r r - a + b \log_r r = . \Rightarrow (a+b) \log_r r - a = . \quad (1)$$

$$(a+b) \log_r r = a \Rightarrow a+b = \frac{a}{\log_r r} \Rightarrow b = a \left( \frac{1}{\log_r r} - 1 \right)$$

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

$$\sqrt[r]{\frac{\log_r r - 1}{r}} \Rightarrow r^{\frac{\log_r r}{r}} \Rightarrow \omega^{\frac{1}{r}} \Rightarrow \sqrt{\omega}$$