

$$\frac{\log m}{\log n} = \frac{\log m + \log n}{\log m + \log n} = \frac{\log m}{\log n} + 1$$

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

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$$[b] = \left[1 + \frac{a}{a+1}\right]$$

$$\frac{a}{a+1} < 1 \Rightarrow [b] = 1$$

$$Df = (0,0)$$

$$\frac{1}{n} \log n < \frac{1}{n} \log n$$

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$$x - n - r \rightarrow (n - r)(n + 1) \rightarrow -1, r$$

$$x - 1 > 0$$

$$Df = (-\infty, -1) \cup (r, +\infty)$$

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به دلیل تدریس نام، نام خانوادگی نفرین (۱۵) می باشد

(10)

$$r \log_a a + \log_a r = r$$

↓

$$\frac{\log_a a + \log_a r}{b} = r \rightarrow b \left(b + \frac{1}{b} = r \right) - b + 1 - r b = 0$$

$$(b-1)r = 0 \rightarrow b=1$$

$$\log_a a = 1 \rightarrow a = 10$$

$$\frac{0.1 \times 0.1}{(10 \log a - \log r) x + (r \log r) x - (\log r + \log a) x} = 0 \quad (11)$$

$$\log \frac{1}{r} \rightarrow \log 1 = \log r \rightarrow 1 - 0.1r = 0.1$$

(12)

$$0.1r x + 0.1x - \frac{11}{r} = 0$$

$$1. \left(\frac{r}{1} x + \frac{1}{r} x - \frac{11}{r} = 0 \right) \quad (x - 11)(x + 11)$$

$$rx + 11x - 11 = 0$$

$$x + 11x - r x = 0$$

3, -11

÷ 3

$$1, -\frac{11}{r}$$

$$\left| -\frac{11}{r} - 1 \right| = \frac{11}{r}$$

$$\frac{\log 10}{\log 11} = \frac{\log r + \log a}{\log r + \log r} \div \log r \quad (13)$$

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

(14)

$$\frac{\log a}{\log 11} = \frac{\log r + \log a}{\log a + \log r} \div \log a \rightarrow \frac{r}{r}$$

$$\frac{\log 1^r}{\log r} = \frac{\log r + \log r}{\log r} = 1 + \log r^{\frac{1}{r}} \rightarrow \frac{1}{r} \log r^r + 1 \quad (✓)$$

$$\log \frac{1}{r} = m \rightarrow \log \frac{r^r}{r} \rightarrow \log r^r + \log \frac{1}{r} = \frac{r}{r} \log r^r + \frac{1}{r} = m$$

$$\frac{r}{r} \mid \frac{r}{r} \log r^r = m - \frac{1}{r} \quad \log \frac{1}{r} = \frac{r}{r} m + \frac{r}{r} *$$

$$\frac{1}{r} \log r^r = \frac{r}{r} m - \frac{1}{r}$$

$$\frac{r}{r} m - \frac{1}{r} + 1 = \frac{r}{r} m + \frac{r}{r}$$

$$\frac{r}{1} \rightarrow \frac{r}{\omega} \rightarrow \left(\frac{r}{\omega}\right)^{r\omega-1} = \left(\frac{\omega}{r}\right)^{r\omega} \rightarrow \left(\frac{r}{\omega}\right)^{-r\omega}$$

$$\left(\frac{r}{\omega}\right)^{r\omega-1} = \left(\frac{r}{\omega}\right)^{-r\omega} \rightarrow \frac{r\omega}{r\omega-1} = 0 \rightarrow \omega + r\omega - r = 0$$

$$(r + \omega)(\omega - 1) = 0 \rightarrow \omega - r \xrightarrow{+r} \left(\frac{1}{r}\right)\omega - 1$$

$$\log \frac{1}{r} \rightarrow \log r^r \rightarrow \left(\frac{r}{r}\right)^*$$

$\omega - r = \omega - r$
X

$$\frac{1}{r} \log b = \frac{r}{r} \left(\log r^r + \log r^r \right) \quad r b - r \rightarrow 1 \quad (9)$$

$$\log_r b = \log_r r^r$$

$$b = r^r$$

$$\log 1 \rightarrow (r) \quad (✓)$$

$$a = \frac{b+c}{r} \rightarrow b = ra - c \rightarrow \frac{1}{2e_1 + 2lr} = \frac{1}{s} = \frac{ra}{b} = \frac{ra}{ra-c} = r \log^r$$

$$\rightarrow \frac{ra}{ra-c} = \log^r \xrightarrow{\text{cross}} \frac{ra-c}{ra} = \log_r^{1.} \rightarrow 1 - \log_r^{1.} = \frac{c}{ra} \rightarrow r - \log_r^{1.} = \frac{c}{a} \quad (1)$$

$$\left(\frac{1}{\sqrt[r]{r}} \right)^{\frac{c}{a}} = \left(r^{-\frac{1}{r}} \right)^{\frac{c}{a}} = \left(r^{\frac{c}{a}} \right)^{-\frac{1}{r}} \xrightarrow{(1)} \left(r^{r - \log_r^{1.}} \right)^{-\frac{1}{r}}$$

$\frac{0}{2} (1.0)$

$$\left(\frac{r^r}{r \log_r^{1.}} \right)^{-\frac{1}{r}} = \left(\frac{r}{1.} \right)^{-\frac{1}{r}} = (r \omega)^{\frac{1}{r}} = \sqrt[r]{\omega}$$