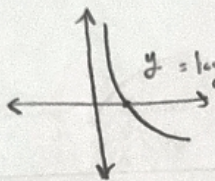


$$\log_m^n a \geq \log_m^{m^n} b \rightarrow r \log_m^n + \log_m^n \rightarrow \frac{r}{\log_m^n + \frac{1}{\log_m^n}} + \frac{1}{\log_m^n + \log_m^n}$$

$$\frac{r}{\log_m^n} \rightarrow \frac{r}{\log_m^n} + \frac{1}{\log_m^n}$$

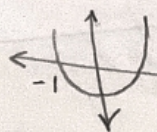
$$\rightarrow \frac{r}{1 + \frac{1}{a}} + \frac{1}{a+1} \rightarrow \frac{ra}{a+1} + \frac{1}{a+1} \rightarrow \frac{ra+1}{a+1} \rightarrow 1 + \frac{a}{a+1} \rightarrow \left[1 + \frac{a}{a+1}\right] = 1$$

$$y = \sqrt{\frac{k}{\log \frac{k}{r}}} \rightarrow \frac{k}{\log \frac{k}{r}} \geq 0$$


$y = \log \frac{k}{r} \rightarrow P_f, Q$

$$y = \frac{\log(k^r - k - r)}{\sqrt{k^r - 1} + 1} \rightarrow k^r - 1 \geq 0, k^r - k - r \geq 0, k \geq 1, k \leq -1, \textcircled{1} k^r - k - r > 0 \rightarrow \Delta > 0$$

$$P_f: (-\infty, -1) \cup (r, +\infty)$$



$$k < -1, k > r \rightarrow \Pi \rightarrow (-\infty, -1) \cup (r, +\infty)$$

$$r \log_m^a + \log_m^p = r \rightarrow \log_m^a + \frac{1}{\log_m^p} \log_m^a = r \rightarrow \log_m^a + \log_m^a = r \rightarrow \log_m^a = \frac{r}{2} \rightarrow \log_m^a = \frac{r}{2}$$

$$(t-1)^r = t-1 \rightarrow \log_m^p \leq 1 \rightarrow \boxed{a \leq p}$$

$$(\log_m^a - \log_m^p) k^r + (r \log_m^p) k - (\log_m^p + \log_m^a) \log_m^p = 1 \rightarrow \log_m^p + \log_m^a \rightarrow \log_m^p + \log_m^a$$

$$(r \log_m^p - \log_m^p) k^r + r \log_m^p k - (\log_m^p + \log_m^a) \log_m^p = 1$$

$$r \log_m^p k^r + r \log_m^p k - \log_m^p - \log_m^a \log_m^p = 1$$

$$- \frac{11}{p} - 1 = - \frac{11}{p} \rightarrow 1 - \frac{11}{p} = \frac{1}{p}$$

$$k = -4, k = \frac{p}{11}$$

$$\log^q 10 = \frac{\log^q r}{\log 10} \rightarrow \log^q r + \log^q r = \frac{1+b}{1+b} \log^q r = \log^q r$$

$$\log^q r \times \log^q r, \log^q r \rightarrow \log^q r \times \log^q r, 1, \Delta, 1, 4, r, \xi$$

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$$\log^q r = r, \Delta \quad \log^q r, \Delta \quad \log^q r$$

$$\log^q r = \frac{\log^q r}{\log^q r} \rightarrow \log^q r, \frac{1}{r}$$

$$\log^q r = \frac{\log^q r}{\frac{1}{r}} = r \log^q r \rightarrow \log^q r, \frac{1}{\Delta} \rightarrow \log^q r, \frac{1}{\log^q r} = \frac{1}{\log^q r} = \frac{1}{\log^q r}$$

$$\log^q r = m \rightarrow \frac{1}{r} \log^q r + \frac{r}{r} \log^q r = m \rightarrow \frac{r}{r} \log^q r = m - \frac{1}{r} \rightarrow \frac{1}{r} \log^q r = \frac{r(m-1)}{r}$$

$$\log^q r = \frac{1}{r} \log^q r + \frac{r}{r} \log^q r = 1 + \frac{r(m-1)}{r} \rightarrow \frac{r(m-1)}{r} = \frac{r(m-1)}{r}$$

$$(1/r)^{r-1} = \left(\frac{1}{r}\right)^{r-1} \rightarrow \log^q r = \frac{1}{r}$$

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

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

$$\log^q r = \frac{r}{r} + \frac{r}{r} \log^q r \rightarrow \log^q r = \frac{r}{r} + \log^q r \rightarrow \log^q r = \frac{r}{r} + \log^q r$$

$$- \varepsilon a u^r + b u + \frac{1}{r} c, \dots \rightarrow \frac{1}{a} + \frac{1}{p} = \log^r \left(\frac{1}{\sqrt{r}} \right)^{\frac{c}{a}}$$

$$\frac{1}{\frac{b}{\varepsilon a}} \log^r \varepsilon \rightarrow \frac{c a}{b} = \log^r \varepsilon \quad \frac{a}{b} \cdot \frac{\log^r \varepsilon}{r} = \frac{\sqrt[r]{\log^r \varepsilon}}{r} = \frac{\log^r \varepsilon}{r}$$

$$\begin{aligned} r \left(\frac{\log^r \varepsilon}{r} \right) &= 1 + \frac{c}{b} \rightarrow \frac{c}{b} = -1 + \log^r \varepsilon \quad \frac{c}{b} = -1 + \log^r \varepsilon \rightarrow \frac{c}{a} = \frac{-1 + \log^r \varepsilon}{\frac{\log^r \varepsilon}{r}} = \frac{-1 + \log^r \varepsilon}{\frac{1}{r} \log^r \varepsilon} \\ &= \frac{\log^r \frac{1}{\varepsilon}}{\frac{1}{r} \log^r \varepsilon} = \frac{\log^r \frac{1}{\varepsilon}}{\log^r \frac{1}{\varepsilon}} = \log^r \frac{1}{\varepsilon} \rightarrow \left(\frac{1}{\sqrt{r}} \right)^{\frac{c}{a}} = \left(\frac{1}{\sqrt{r}} \right)^{\log^r \frac{1}{\varepsilon}} = \frac{1}{\varepsilon} \log^r \frac{1}{\varepsilon} \\ \left(\frac{1}{\varepsilon} \right)^{-\frac{1}{r}} &\rightarrow \varepsilon^{-\frac{1}{r}} = \sqrt[r]{\varepsilon} \end{aligned}$$