

$$\log_n^m a \rightarrow \frac{\log m}{\log n} = a \quad b = \log_{mn}^m n = \frac{r \log^m + \log n}{\log^m + \log n} = \frac{r a + 1}{a + 1} = 1, \frac{a}{a+1} \rightarrow [b] = 1$$

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$$\begin{aligned} x < x > 0 \quad x < -1 \leq x > 2 \quad (1) \\ x < -1 \geq 0 \quad x > 1 \quad x > 1 \leq x < 1 \quad (2) \\ \sqrt{x^2 - 1} + 1 \neq 0 \quad \sqrt{3} \quad (3) \\ (1) \cap (2) \cap (3) = (-\infty, -1) \cup (1, +\infty) \end{aligned}$$

$$\begin{aligned} x > 0 \rightarrow \frac{\log^m n}{\log \frac{1}{r}} \geq 0 \rightarrow (\log \frac{1}{r})_0 \rightarrow 0 < n < 1 \\ (1) \cap (2) = 0 < n < 1 \end{aligned}$$

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$$\begin{aligned} m = a \rightarrow r \log_a^a + \log_a^r r \rightarrow \log_a^a r + \log_a^r a = r \quad \log_a^r r \neq t + \frac{1}{t} = r \rightarrow t^r - r t + 1 = 0 \\ t = 1 \Rightarrow \log_a^r r = 1 \rightarrow [a, r] \end{aligned}$$

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$$\begin{aligned} \log\left(\frac{\omega}{r}\right) = \log \omega - \log r = \log \frac{1}{r} - \log r = \log(-\log r - \log r) = 1 - \log r - \log r = 1 - 2 \log r \\ \log a = r \log r = 0, 1 \quad \log \omega = \log a \times r = \log \frac{1}{r} + \log r = \log(-\log r + \log r) = \log(-\log r + \log r) = 0 \\ 0, 1, \log r \neq 0, 1, \log r = 0 \quad \begin{cases} r = 1 \\ r = -\frac{1}{\log r} = -\frac{1}{\log r} \end{cases} \quad a - b = 1 - \left(\frac{1}{r}\right) = \frac{r-1}{r} \end{aligned}$$

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$$\log_r^r \omega = 0, 1 \rightarrow \log_r \omega = \frac{1}{\log_r r} = r$$

$$\log_{1/r}^1 = \frac{\log \frac{1}{r}}{\log \frac{1}{r}} = \frac{\log r + \log r}{\log r + \log r} = \frac{1+r}{1+r} = \frac{r}{r} = \frac{r}{r} = \frac{r}{r}$$

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$$\frac{\log^r \omega}{\log^r \mu} = \frac{\log^r \omega + \log^r \mu}{\log^r \omega + \log^r \mu} = \frac{1 + \frac{1}{14}}{1 + 1} = \frac{15}{20}$$

$$\log^r \mu = \frac{1}{\log^r \mu} = \frac{10}{14}$$

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$$\log^r \mu = \frac{\log^r \mu}{\log^r \mu} = \frac{\log^r \mu + \log^r \mu}{\log^r \mu} = \frac{\frac{r}{\mu} \log^r \mu + \frac{1}{\mu} \log^r \mu}{\frac{r}{\mu} \log^r \mu} = \frac{\frac{r}{\mu} + \frac{1}{\mu} \left(\frac{r-1}{r} \right)}{\frac{r}{\mu}} = \frac{r}{r} (m+1)$$

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

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

$$r^{r-1} = r^{r-1} \rightarrow r^{r-1} = r^{r-1} \rightarrow r^{r-1} = r^{r-1} \rightarrow r^{r-1} = r^{r-1} \rightarrow r^{r-1} = r^{r-1}$$

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

$$\frac{1}{\mu} \log^r \mu = \frac{r}{\mu} \log^r \mu \rightarrow \frac{1}{\mu} \log^r \mu = \frac{r}{\mu} \log^r \mu \rightarrow b = r$$

$$\log^r \mu = \log^r \mu \rightarrow \log^r \mu = \log^r \mu \rightarrow \log^r \mu = \log^r \mu$$

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$$S = \frac{b}{r} = \frac{b}{r} \rightarrow \frac{b}{r} = \log^r \mu \rightarrow \frac{b}{r} = \log^r \mu \rightarrow a = b \log^r \mu$$

$$r a = b + c \rightarrow c = r a - b = r b \log^r \mu - b = b (r \log^r \mu - 1) = b (\log^r \mu - 1) \rightarrow c = b \log^r \mu$$

$$\left(\frac{1}{\sqrt{r}} \right)^{\frac{r}{\mu}} = \left(\frac{1}{\sqrt{r}} \right)^{\frac{r}{\mu}} = \frac{1}{\sqrt{r}} \log^r \mu = \frac{1}{\sqrt{r}} \log^r \mu = \frac{1}{\sqrt{r}} \log^r \mu = \frac{1}{\sqrt{r}} \log^r \mu$$

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