

$$\log_n^a = a \rightarrow n^a = m$$

$$\log_{mn}^{r_n} = \log_{n^a \cdot n}^{r_a \cdot x_n} \rightarrow \log_{n^{a+1}}^{r_{a+1} \cdot x_{a+1}} \rightarrow \frac{r_{a+1}}{a+1} (\log_n^n)$$

برابر ۱

$$1 + \frac{a}{a+1} = b \quad \circ \left(\frac{a}{a+1} < 1 \right) \rightarrow [b] = 1$$

این $\sqrt{\frac{x}{\log x}} \rightarrow \frac{\sqrt{x}}{\sqrt{\log x}}$ $D_f(1, +\infty)$ $2^x - x - 2 > 0$

$\log x_{\frac{1}{r}} > 0 \rightarrow x > 1$

$x > 0$ $(2) - (1) \cap (2) = x > 1$

$\sqrt{x^2 - 1} + 1 \neq 0$ $\sqrt{x^2 - 1} \neq -1$ $x^2 \neq 2 \rightarrow x \neq \pm \sqrt{2}$

$D_f \left((-\infty; -1) \cup (2, +\infty) - \{\pm \sqrt{2}\} \right)$

$r \log_x^a \rightarrow \log_{x^{\frac{1}{r}}}^a \rightarrow \log_{\sqrt{x}}^a$

$x = 9$

$\log_{\frac{1}{\log r}}^a + \log_r^a = r \Rightarrow \log_r^a = x$

$\frac{1}{x} + x = r \rightarrow x = 1$

$\log_a^a = 1$ $a = r$

$\log_{\frac{1}{r}}^{x+r} \rightarrow r (\log_{\frac{1}{r}}^r) = 1$

$\log_{\frac{1}{r}}^{\frac{2}{r}} = \log_{\frac{1}{r}}^2 + \log_{\frac{1}{r}}^{\frac{1}{r}}$

$\log_{\frac{1}{r}}^{10} = \log_{\frac{1}{r}}^{10} + \log_{\frac{1}{r}}^{\frac{1}{r}}$