

$$\log(r-n) - \log(r-n)^{-r} = r$$

$$r \log(r-n) = r \rightarrow \log(r-n) = 1 \rightarrow r-n=1 \quad n=-1$$

$$\log_{\sqrt{r}}^{(-n)} \rightarrow \log_{\sqrt{r}}^{\wedge} = \frac{r}{\frac{1}{r}} \log_r^r = 4$$

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$$r^{n-r} = \Lambda^{\frac{1}{r}} \rightarrow n-r = \frac{1}{r} \rightarrow n-r-r = -$$

$$(n-r)^2 = 4 = 0$$

$$(n-r)^2 = 4$$

$$\rightarrow n-r = \sqrt{4} \rightarrow n = \sqrt{4} + r$$

$$\rightarrow n-r = -\sqrt{4}$$

$$\frac{n-r-\sqrt{4}}{5 \cdot 2}$$

$$\log_{\frac{1}{4}}^{n-r} \rightarrow \log_{\frac{1}{4}}^{\sqrt{4}+r-r} = \frac{1}{r} \log_{\frac{1}{4}}^2 = \frac{1}{r}$$

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$$\star \log_r^r = \frac{0}{\Lambda} \rightarrow \log_r^{\wedge} = \frac{\Lambda}{\Lambda}$$

$$\log_{\frac{1}{\Lambda}}^{\wedge} = \frac{1}{\log_{\frac{1}{\Lambda}}^{\wedge}}$$

$$\log_{\frac{1}{\Lambda}}^{\wedge} = \log_{\frac{1}{r}}^r \times r$$

$$\rightarrow \log_{\frac{1}{r}}^r + \log_{\frac{1}{r}}^r = \frac{1}{r} \log_r^r + \frac{r}{r} \log_r^r$$

$$\frac{1}{r} + \frac{r}{r} \times \frac{\Lambda}{\Lambda} = \frac{r}{10}$$

$$\log_{\frac{1}{\Lambda}}^{\wedge} = \frac{1}{\frac{r}{10}} = \frac{10}{r} = \frac{0}{r}$$

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$$\log_{\frac{1}{r}}^4 = \frac{\log_{\frac{1}{r}}^4}{\log_{\frac{1}{r}}^r} = \frac{\log_r^r + \log_r^r}{\log_r^r + \log_r^r} = \frac{0 + 0 + \Lambda}{1 + 0 + \Lambda} = \frac{1 + \Lambda}{1 + \Lambda} = \frac{1 + \Lambda}{1 + \Lambda}$$

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$$n=-1 \rightarrow a \log_r^r - a + b \log_r^r = \frac{\log_r^r}{t} \quad at - a + bt = \dots \rightarrow$$

$$t(1 + \frac{b}{a}) = 1 \rightarrow t = \frac{1}{1 + \frac{b}{a}} \rightarrow \log_{\frac{1}{r}}^r = \frac{1}{1 + \frac{b}{a}} \rightarrow \log_{\frac{1}{r}}^r = 1 + \frac{b}{a}$$

$$\log_{\frac{1}{r}}^r + \log_{\frac{1}{r}}^r = 1 + \frac{b}{a}$$

$$\frac{b}{a} = \log_{\frac{1}{r}}^r \rightarrow (\sqrt{r})^{\log_{\frac{1}{r}}^r} = \sqrt{a}$$

1,5

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(تلفظ)

(فاصله شکرانی)

14, 25

بزرگم در

$$\begin{aligned}
 n=1 &\rightarrow y = x^r, (b1) \rightarrow r^{A+B} = 1 \\
 n=2 &\rightarrow y = x^r, (2,4) \rightarrow r^{2A+B} = 4
 \end{aligned}$$

$$\begin{cases}
 A+B=0 \\
 2A+B=4
 \end{cases}$$

$$A=1, B=-1$$

$$f(x) = x^{n-1}$$

$$y = x^{-1} \rightarrow x^{0-1} = y \quad \boxed{y = \frac{1}{x}}$$

$$\log_r^{x+10} = x+2$$

$$r^x + 10 = r^{x+2} \rightarrow r^x - r^{x+2} + 10 = 0 \quad (r^x)^2 - 1 \times r^x + 10 = 0 \rightarrow t^2 - 1t + 10 = 0$$

$$(t-3)(t-5) = 0$$

$$t=3 \rightarrow r^x = 3 \rightarrow \boxed{x = \log_r^3}$$

$$t=5 \rightarrow r^x = 5 \rightarrow \boxed{x = \log_r^5}$$

$$\rightarrow \log_r^3 + \log_r^5 = \log_r^{15}$$

$$t=3, 5$$

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$$\begin{aligned}
 (\log_{r_1}^r)^2 + (\log_{r_1}^v + \log_{r_1}^{r_1}) (\log_{r_1}^r + r \log_{r_1}^{r_1}) &\rightarrow (\log_{r_1}^r)^2 + (r - \log_{r_1}^v)(r + \log_{r_1}^{r_1}) \\
 \log_{r_1}^{\frac{r_1}{r}} = \log_{r_1}^{r_1} - \log_{r_1}^r &= (\log_{r_1}^r)^2 - (\log_{r_1}^{r_1})^2 + r = 14
 \end{aligned}$$

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$$\log^{(1-n)^r} + \log^{(1-n)^w} = 2 \rightarrow (1-n)^2 = 10^2 \quad 1-n=10 \quad n=-9$$

$$\log_{10}^{-n} \rightarrow \log_{10}^9 = 2$$

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

$$\log_r^{n^r - 1} = r$$

$$n^r - 1 = 1$$

$$n = \sqrt[r]{1+1}$$

$$\log_{\frac{r}{\sqrt[r]{1+1}}}^n \rightarrow \log_{\frac{r}{\sqrt[r]{1+1}}}^{\sqrt[r]{1+1}} = \log_r^r \frac{1}{r} \rightarrow \frac{1}{r} \log_r^r = 1$$

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