

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

$$r \log(r-n) = r \rightarrow \log(r-n) = 1 \rightarrow r-n=10 \quad n=-1$$

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

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$$r^{n-r} = \Lambda^{\frac{r}{n}} \rightarrow n^r - r = r n \rightarrow n^r - r n - r = 0$$

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

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

$$\left. \begin{array}{l} n-r = \sqrt{4} \rightarrow n = \sqrt{4} + r \\ n-r = -\sqrt{4} \end{array} \right\}$$

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

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

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

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

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

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

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

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

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

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

$$t \left(1 + \frac{b}{a}\right) = 1 \rightarrow t = \frac{1}{1 + \frac{b}{a}} \rightarrow \log_r^r = \frac{1}{1 + \frac{b}{a}} \rightarrow \log_r^{\wedge} = 1 + \frac{b}{a}$$

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

1,5

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$$\frac{b}{a} = \log_r^{\wedge} \rightarrow (\sqrt{r})^{\log_r^{\wedge}} = \sqrt{a}$$

(مشتق) قابل اشتباه (فاصله شکرانی) (14, 25) بازده منفی B

$n=1 \rightarrow y = x^2, (b, 1) \rightarrow 3^{A+B} = 1$
 $n=3 \rightarrow y = x^2, (3, 9) \rightarrow 3^{3A+B} = 9$

$$\begin{cases} A+B=0 \\ 3A+B=2 \end{cases}$$

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

$$f(x) = 3^{x-1}$$

$y = 3^{x-1} \rightarrow 3^{x-1} = y \rightarrow y = \frac{1}{3}$

$$\log_r^{x+10} = x+3$$

$$r^x + 10 = r^{x+3} \rightarrow r^x - r^{x+3} + 10 = 0 \quad (r^x)^2 - 8 \times r^x + 10 = 0 \rightarrow t^2 - 8t + 10 = 0$$

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

$$t=3 \rightarrow r^x = 3 \rightarrow x = \log_r^3$$

$$t=5 \rightarrow r^x = 5 \rightarrow x = \log_r^5$$

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

$$t=3, 5$$

(1, 178)

$$(\log_{r_1}^3)^2 + (\log_{r_1}^5 + \log_{r_1}^2) (\log_{r_1}^3 + 2 \log_{r_1}^5) \rightarrow (\log_{r_1}^3)^2 + (2 - \log_{r_1}^5) (2 + \log_{r_1}^5)$$

$$= (\log_{r_1}^3)^2 - (\log_{r_1}^5)^2 + 4 = 14$$

$$\log_{r_1}^{\frac{3}{5}} = \log_{r_1}^2 - \log_{r_1}^5$$

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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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$$\log_r^{(n^r + r^r + r)} = 3$$

$$\log_r^{n^r - 1} = 3$$

$$n^r - 1 = 1$$

$$n = \sqrt[r]{19}$$

$$\log_{\frac{r}{\sqrt{r}}}^n \rightarrow \log_{\frac{r}{\sqrt{r}}}^{\frac{r}{\sqrt{r}}} = \log_{\frac{r}{\sqrt{r}}}^{\frac{r}{\sqrt{r}}} \rightarrow \frac{\frac{r}{\sqrt{r}}}{\frac{r}{\sqrt{r}}} \log_r^r = 3$$

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