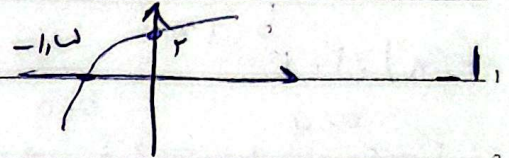


$$y = 1 - \log_c^{(a^m - b)}$$

$$b + c = -\frac{r}{r}$$

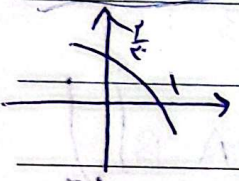


$$0 = 1 - \log_c^{-1/a a - b}$$

$$\log_c^{-1/a a - b} = 1 \rightarrow C = -1/a a - b \rightarrow C + b = -1/a a$$

$$C + b \rightarrow C = \frac{1}{c} = -\frac{r}{r} \rightarrow \frac{c-1}{c} = -\frac{r}{r} \rightarrow r(c-1) = -r \rightarrow r(c-1) = -r$$

$$\frac{1}{r} + b = -\frac{r}{r} \rightarrow b = -r \left(a + \frac{1}{r} \right) = -r \left(1 + \frac{1}{r} \right) = -r - 1$$

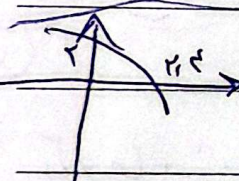


$$f(m) = 1 + c x r^{a+b m}$$

$$0 = 1 + c x r^{a+b} \rightarrow -1 = c x r^{a+b} \quad r = r^b$$

$$\frac{r}{r} = c x r^a + 1 \rightarrow c x r^a = -\frac{1}{r} \rightarrow 1 + c x r^a = 1 + c x r^{a-b}$$

$$1 - \frac{1}{r} = \frac{1}{r} \leftarrow \left(1 + \left(-\frac{1}{r} \right) \right)$$



$$y = c + \log_a^{(a^m + b)}$$

$$\begin{cases} c + \log_y^b = r \\ c + \log_y^{(a^m + b)} = 0 \end{cases}$$

$$\log_y^{(a^m + b)} - \log_y^b = -r \rightarrow \frac{r(a^m + b)}{b} = a^r = \frac{1}{r} a + 1$$

$$\frac{a}{b} = -\frac{r}{a}$$

$$f(m) = \log_c^{(m^2 - r) - n} \rightarrow m^2 - r - n > 0 \quad (m-1)(m+1) > 0$$

$$m^2 + m - r < 0 \quad (-\infty - 1) \cup (r + \infty)$$

$$-1 < m < r \quad (-r, 1) \cup (-\infty, r) \cup (r, +\infty)$$

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

$$\text{I} \quad \text{II} \quad \text{III} \quad \text{IV} \quad \text{V} \quad \text{VI} \quad \text{VII} \quad \text{VIII} \quad \text{IX} \quad \text{X} \quad \text{XI} \quad \text{XII}$$

$$\text{I} \quad (-\infty, -\sqrt{r}) \cup (r, +\infty)$$

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1 $f(m) = r + r^{b-a}$ (9)

2 $r + r^{b+a} = 1 \rightarrow r = r^m \rightarrow b+a = m$ $r + r^{b-a} = r \rightarrow r = r^{b-a} \rightarrow b-a = 1$

3 $\begin{cases} b+a = m \\ b-a = 1 \end{cases}$ $r^{b-a} \rightarrow r(r) = 1 = (r)$ $b-a = 1$

4 $b = r, a = 1$

5 $f(m) = -r + (\frac{1}{r})^{Am+B}$ $y = x^m - m$ $(1,0) (r,0)$ (9)

6

7 $0 = -r + \frac{1}{r}^{A+B} \rightarrow r = \frac{1}{r}^{A+B} \rightarrow r^r = r^{-A-B} \rightarrow -A-B = 1$

8 $r = -r + \frac{1}{r}^{rA+B} \rightarrow r = \frac{1}{r}^{rA+B} \rightarrow r^r = r^{-rA-B} \rightarrow r = -rA-B$

9 $f(m) = -r + \frac{1}{r}^{-m} \rightarrow f(r) \rightarrow -r + \frac{1}{r}^{-r} \rightarrow A = -1, B = 0$

10 $-r + r^m \rightarrow -r + 1 \rightarrow (9)$

11 $P = P_0 e^{kt}$ $P_t = \frac{A}{r} \cdot P_1 \rightarrow \frac{1}{r} A = \frac{A}{r} \cdot P_1$ (9)

12 $\rightarrow \frac{A}{r} = \frac{1}{r} + \frac{1}{r} \log \log \frac{P}{A} = t \rightarrow \log \frac{P}{A} \rightarrow \frac{\log r + \log A}{\log \frac{P}{A}} \rightarrow \frac{\log r + \log A}{\log P - \log A}$

13 $\frac{\log P + \log A}{\log P - \log A} = \frac{A}{r} + \frac{A}{r} \rightarrow \frac{A}{r} = \frac{A}{r} \cdot \frac{A}{r} = \frac{A}{r} \cdot \frac{A}{r} = \frac{A}{r} \cdot \frac{A}{r}$

14 $\frac{r_0}{r_1} - \frac{r_0}{r_2} = \frac{r_0}{r_1} - \frac{r_0}{r_2} \rightarrow \frac{r_0}{r_1} = \frac{r_0}{r_2} = \frac{r_0}{r_1} \cdot \frac{r_2}{r_2} = \frac{r_0 r_2}{r_1 r_2} = \frac{r_0}{r_1} \cdot \frac{r_2}{r_2}$

15 $M_r = \frac{99}{100} + A_1$ (9)

16 $\frac{1}{r} A_1 = \frac{99}{100} + A_1 \rightarrow \log \log \frac{1}{r} = t - \log \frac{99}{100} \rightarrow \frac{1}{\log \frac{1}{r}} = \frac{1}{\log \frac{99}{100} + \log A_1}$

17 $\log \frac{1}{r} \rightarrow \frac{\log 99}{100} \rightarrow \frac{\log 99}{100} = \frac{r}{100} = r \cdot \frac{1}{100}$ (9)

18 $r = \frac{\log 99}{100} \rightarrow \frac{\log 99}{100} = \frac{r}{100} = r \cdot \frac{1}{100}$

19 $y = \log r^m \rightarrow r^m = n^r \rightarrow m > 0, r(0 < r < 1)$ (10)

20 $y = \log m^r \rightarrow m^r = n^r \rightarrow R = f(x)$

21

Senobar

$$\log \frac{V}{A} = t \rightarrow \frac{\log r}{\log \frac{b}{r}} \rightarrow \frac{\frac{10}{5}}{\log r \log \frac{b}{r}} = \frac{\frac{10}{5}}{r \log r - \frac{10}{5}} \rightarrow \frac{\frac{10}{5}}{r \times \frac{10}{5} - \frac{10}{5}} \quad \textcircled{A}$$

$$A \xrightarrow{d} AV \rightarrow \textcircled{04} \quad \left(\frac{10}{5} - \frac{10}{5} \right)$$