

المسألة ١

$$\log 2 \approx 0,3, \log 3 \approx 0,48$$

$$\left[\log \frac{2}{3} \right] n^r + (\log 9)n - \log 12 = 0 \quad |n_2 - n_1| = ?$$

$$\log 2 - \log 3 = \log \frac{2}{3} = 0,18$$

$$0,3n^r + 0,18n - 1,1 = 0 \rightarrow 3n^r + 1,8n - 11$$

$$n^r + 1,8n - 3,6 \rightarrow (n+11)(n-4) \rightarrow n_2 = -11, n_1 = 1$$

$$|n_2 - n_1| = |-11 - 1| = 12$$

$$\log 2 = 0,3, \log 3 = 0,48, \log \frac{2}{3} = 0,18$$

$$\log \frac{2}{3} = \frac{\log 2}{\log 3} \rightarrow \log 2 + \log 3 = 0,78 \Rightarrow \frac{0,78}{0,3} \approx 2,6$$

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$$\log 2 = m, \log 3 = 1$$

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DAT.

$$(0, \varepsilon)^{r_{n-1}} = \left(\frac{100}{\lambda}\right)^{n^r} \quad \log_n^{(9n+1)} \rightarrow$$

-1

$$\left(\frac{d}{r}\right)^{1-r_n} = \left(\frac{d}{r}\right)^{r_{n^r}} \rightarrow 1-r_n = r_{n^r} \rightarrow r_{n^r} + r_{n-1} = 0$$

(5)

$$\frac{1}{r} \log_n^{\varepsilon} = \log_{r^r}^{\varepsilon} = \frac{r}{r^r} \rightarrow n = -1, \left[\frac{1}{r} \log_n^{\varepsilon}\right]$$

$$\log_r^r = a \quad \log_n^b = \frac{r}{r}(1+a) \quad \log(r^b - 1) = ?$$

-9

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

(7)

$$\log_r^{\sqrt{b}} = a+1 \rightarrow \log_r^{\sqrt{b}} = \log_r^r + 1 \rightarrow \log_r^{\sqrt{b}/r} = 1$$

$$\sqrt{b} = r \rightarrow b = r^2 \rightarrow \log(1.0) = \overline{r}$$

$$-\varepsilon a n^r + b n + \frac{1}{c} c = 0 \quad S = \frac{-b}{-\varepsilon a} = \frac{b}{\varepsilon a} \rightarrow \frac{r a}{b} = \log \varepsilon$$

-1.

$$b = \frac{\varepsilon a}{\log \varepsilon} \rightarrow a = \frac{b+r}{r} \rightarrow r a = b + c$$

$$r a = \frac{\varepsilon a}{\log \varepsilon} + c \rightarrow c = r a - \frac{\varepsilon a}{\log \varepsilon} \rightarrow \frac{c}{a} = r - \frac{\varepsilon}{\log \varepsilon}$$

(5)

$$\left(\frac{1}{\sqrt{r}}\right)^{r - \frac{r}{\log r}} \rightarrow \left(r^{-\frac{1}{n}}\right)^{r - \frac{r}{\log r}} \rightarrow \frac{1}{r} (\log_r^1 - 1)$$

$$\rightarrow \frac{\varepsilon}{\sqrt{r \log_r^1 - 1}} = \sqrt{\frac{r \log_r^1}{c}} = \sqrt{\frac{1. \log_r^1}{r}} = \sqrt{\omega}$$