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صف : _____ تلف : _____
سیاسی عارف زار نادر محمد A

$f(n) = r^{Am+B}$
 $y = n^r \quad (1, 2, 3)$
 (r, y)

$rA + B = 1 \rightarrow A + B = 0 \rightarrow A = -B$

$r^2A + B = 9 \rightarrow r^2A + B = r \rightarrow -r^2B = r - B = 1 \rightarrow A = 1$

$f(n) = r^{n-1} \rightarrow$ عملیات متوالی $r = 1$

$\log_r (r^n + 10) = n + r \rightarrow r^{n+r} = r^n + 10$ (1, 10) (1, 10)

$\rightarrow r^{n+r} - r^n = 10 \rightarrow r^n(r^r - 1) = 10 \rightarrow n = \log_r \frac{10}{r^r - 1}$

$(\log_r r)^r + \log_r r^r = (\log_r r)^r + (\log_r r)^r + \log_r r^r = \log_r r^r + \log_r r^r$

$r^r + \log_r r^r = r^r + \log_r r^r = (\log_r r^r + \log_r r^r) = (\log_r r^r) = r^r$

$\log (n^r - r^{n+1}) + r \log (1-n) - n = 0 \rightarrow \log (n^r - r^{n+1}) = n - r$

$\log (n-1)^r + r \log (1-n) - n = 0$

$\rightarrow r \log (n-1) + r \log (1-n) = n \rightarrow \log (1-n) = 1 - n \rightarrow -n = 1 - n = 0$

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

$\log_r (r^r + r^{n+r}) = r - \log_r (n-r) \rightarrow r^r + r^{n+r} = r^r (n-r) \rightarrow r^{n+r} = r^r (n-r) - r^r = r^r (n-r-1)$

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

Subject

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$$x^{m-r} = N_1^m \quad \log_4^{(m-r)} = ? \quad (14)$$

$$x^{m-r} = x^m \rightarrow x^r - (x^m - x) = 0 \rightarrow (x-r)^4 - 1 = 0 \rightarrow (x-r) = \sqrt[4]{1}$$

$$\rightarrow \log_4^{(m-r)} = \log_4 \sqrt[4]{1} = \frac{1}{4}$$

$$\log_4^r = \frac{\omega}{N} \quad \log_{1/N}^r = ? = \log_{r \times 4}^r = r \log_{r \times 4}^r = \frac{r}{\log_{r \times 4}^r} \quad (15)$$

$$= \frac{r}{\log_4^r + \log_4^r} = \frac{r}{1 + r \log_4^r} = \frac{r}{1 + r \frac{1}{4}} = \frac{r}{1 + \frac{r}{4}} = \frac{r \times 4}{4 + r} = \frac{4r}{4+r}$$

$$\log_4^r = -0.1N \quad \log_{1/N}^r = ? = \frac{\log_4^r}{\log_4^r} = \frac{1 + \log_4^r}{\log_4^r + 1} = \frac{1 + \frac{1}{4}}{r + \frac{1}{4}} \quad (16)$$

$$\Rightarrow \frac{1^r}{1/N}$$

$$(a \log r)^m + a^m + b \log r = 0 \quad m = -1 \quad (\sqrt{r})^a = ? \quad (17)$$

$$a \log r - a + b \log r = 0 \rightarrow a, \log r - 1 + \frac{b}{a} \log r = 0 \rightarrow \frac{b}{a} \log r = 1 - \log r$$

$$\log r^{\frac{b}{a}} = -\log r + \log 1 = \log \frac{1}{r} \times 1 = \log \frac{1}{r} \quad (18)$$

$$\rightarrow r^{\frac{b}{a}} = \frac{1}{r} \rightarrow \left(r^{\frac{b}{a}}\right)^{\frac{1}{r}} = \frac{1}{r} = \sqrt[r]{\frac{b}{a}} = \sqrt[r]{\frac{1}{r}}$$