



$$\log^{r-m} - \log^{\frac{1}{r-m}} = r \rightarrow \log^{\frac{1}{(r-m)^r}} = r \xrightarrow{\text{تقریب}} \log^{\frac{1}{\sqrt{r}}} = r$$

$$(r-m)^r = 1 \cdot r \rightarrow r-m = 1 \rightarrow m = r-1$$

$$\log^{\frac{1}{\sqrt{r}}} = \log^{\frac{r}{r}} = \boxed{4}$$

$$r^{n^r-r} = \lambda^m \rightarrow r^{r-r} = r^m \rightarrow m = r-r = 0$$

$$m^r - \lambda^m - r = 0 \xrightarrow{\text{دو طرفه ضرب}} m^2 = \frac{r \pm r\sqrt{4}}{2}$$

$$m = r - \sqrt{4} \rightarrow \lambda = r + \sqrt{4}$$

ادرس عبارت را در صورتی که جابجایی کنیم

$$\log^{\frac{1}{4}} = \boxed{\frac{1}{r}}$$

$$\log^r = \frac{\omega}{\lambda} \quad \log^{\frac{1}{r}} = \frac{\log^{\frac{1}{r}}}{r} = \frac{\log^{r^r}}{r} = r \log^r$$

$$\log^{\frac{1}{r}} = \frac{\frac{\omega}{\lambda}}{r + \frac{\omega}{\lambda}} = \frac{\frac{\omega}{\lambda}}{\frac{r\lambda + \omega}{\lambda}} = \frac{\omega}{r\lambda + \omega} = \boxed{\frac{\omega}{v}}$$

$$\log^r = \frac{1}{r} = \frac{1}{r} \log^{\frac{1}{r}} = \frac{1}{r} \log^{\frac{1}{r}} \rightarrow \log^{\frac{1}{r}} = 1, 4$$

$$\log^{\frac{1}{r}} = \frac{\log^{\frac{1}{r}}}{\log^{\frac{1}{r}}} = \frac{\log^{r^r}}{r} = \frac{1 + \log^r}{r + \log^r} = \frac{r, 4}{r, 4} = \frac{r, 4}{r, 4} = \boxed{\frac{1, 4}{1, 8}}$$

$$(a \log^r)^m + a^m + b \log^r = 0 \xrightarrow{m=1} a \log^r + b \log^r - a = 0$$

$$\log^r (a+b) = a \rightarrow \log^r = \frac{a}{b+a} \xrightarrow{\text{تقریب}} \log^r = \frac{a}{b}$$

$$\frac{1 - \log^r}{\log^r} = \frac{\log^{\omega}}{\log^r} = \log^{\frac{\omega}{r}}$$

$$\sqrt[r]{\frac{a}{b}} = \frac{1}{r} \log^{\frac{\omega}{r}} = \frac{1}{r} \log^r = \boxed{\sqrt{a}}$$