

بعد از با ω به دلیل وجود عامل $\rightarrow \omega! = \omega \times \omega \times \dots \times 1 = 10$
اول صفر رقم یک است پس فقط
باید قبل از $\omega!$ را به دست آوریم

$$\begin{aligned} \text{c) } \sqrt[r]{\frac{1}{\epsilon + \sqrt{v}} \times (1 + \sqrt{v})^r} &= \sqrt[r]{\frac{v + 1 + r\sqrt{v}}{\epsilon + \sqrt{v}}} = \sqrt[r]{\frac{\Lambda + r\sqrt{v}}{\epsilon + \sqrt{v}}} = \sqrt[r]{\frac{r(\epsilon + \sqrt{v})}{\epsilon + \sqrt{v}}} = \sqrt[r]{r} \\ &= \sqrt[r]{r} \rightarrow (\sqrt[r]{r}) \quad \checkmark \end{aligned}$$

$$\begin{aligned} \text{Sol)} \frac{r\sqrt{r} + r\sqrt{r}}{r - \sqrt{r}} \times \frac{r + \sqrt{r}}{r + \sqrt{r}} &= \frac{10\sqrt{r} + r\sqrt{r} + 10\sqrt{r} + r\sqrt{r}}{r - r} = \frac{10\sqrt{r} + r\sqrt{r} + 10\sqrt{r} + r\sqrt{r}}{19} \\ \rightarrow \frac{19\sqrt{r} + 19\sqrt{r}}{19} &= \sqrt{r} + \sqrt{r} \rightarrow \sqrt{r} + \sqrt{r} - \frac{r}{\sqrt{r} - 1} = \sqrt{r} + \sqrt{r} - \frac{r}{\sqrt{r} - 1} \times \frac{\sqrt{r} + 1}{\sqrt{r} + 1} = \sqrt{r} + \sqrt{r} - \frac{(r\sqrt{r} + r)}{r} = \sqrt{r} + \sqrt{r} - \sqrt{r} - 1 \\ &= \sqrt{r} - 1 \end{aligned}$$

$$\begin{aligned} \Delta \ln \sqrt{(1+\sqrt{r} + \sqrt{r}-1)^r} &= \sqrt{1+\sqrt{r} + \sqrt{r}-1 + r\sqrt{r}-1} = \sqrt{r\sqrt{r} + rVP} \Rightarrow \sqrt{rVP+rVP} \times \frac{\sqrt{r} + \sqrt{r}}{\sqrt{r\sqrt{r}-r}} \times \frac{\sqrt{r} + \sqrt{r}}{\sqrt{r} + \sqrt{r}} \\ &\rightarrow \frac{\sqrt{r + r\sqrt{r} + r\sqrt{r} + r}}{\sqrt{r-r}} = \frac{\sqrt{1+r\sqrt{r}}}{1} = \sqrt{(r\sqrt{r} + r)^r} = \sqrt{r + r - r} \rightarrow \sqrt{r + r - r} = \sqrt{r} \end{aligned}$$

$$\frac{r^x(1+r+q+rl+1+rfr)}{r^x(\frac{1}{e} + \frac{1}{r} + 1 + r + fr + 1)} = Qr \rightarrow \frac{r^x \cdot rfr}{r^x \frac{fr}{f}} = Qr$$

$$\rightarrow r^x \cdot rfr = r^x \cdot 1q \rightarrow \frac{r^x}{r^x} = \frac{1q}{rfr} \rightarrow \frac{r^x}{r^x} = \frac{q}{f} \rightarrow \left(\frac{r}{r}\right)^x = \left(\frac{r}{f}\right)^1$$

$$(a^2 + b^2 + rab)^r (a^2 + b^2 - rab)^r = ((a^2 + b^2)^r - (rab)^r)^r = (a^2 + b^2 + rab^r - rab^r)^r = (a^2 + b^2 - rab^r)^r$$

$$\rightarrow (a^2 + b^2 - rab^r)^r \rightarrow (\sqrt{5} - 2 + \sqrt{5} + 2 - 1(\sqrt{5} - 2 \times \sqrt{5} + 2))^r = (2\sqrt{5} - 1\sqrt{5} - 2)^r = (\sqrt{5} - 2)^r$$

$$\rightarrow (2\sqrt{5} - 2)^r = 2(\sqrt{5} - 1)^r = 2(2 + 1 - 2\sqrt{5}) = 2(3 - 2\sqrt{5}) = 6 - 4\sqrt{5} = 19 - 4\sqrt{5}$$

$$\rightarrow 19(2 - \sqrt{5}) = 2(2 - \sqrt{5}) \rightarrow \boxed{t = 19}$$

$(t = 19)$

$$(a + \frac{1}{a} + \sqrt{r})^r (a + \frac{1}{a} - \sqrt{r})^r = ((a + \frac{1}{a})^r - \sqrt{r}^r)^r = (a^r + \frac{1}{a^r} + r - r)^r = (a^r + \frac{1}{a^r})^r$$

$$\rightarrow a^r + \frac{1}{a^r} + r \xrightarrow{a = \sqrt[5]{V - E\sqrt{P}}} V - E\sqrt{P} + \frac{1}{V - E\sqrt{P}} + r = V - E\sqrt{P} + V + E\sqrt{P} + r = 1E + r = 19 = r^E = r^t$$

$$\frac{1}{V - E\sqrt{P}} \times \frac{V + E\sqrt{P}}{V + E\sqrt{P}} = \frac{V + E\sqrt{P}}{E^2 - EA} = V + E\sqrt{P}$$

$$\rightarrow r^E = r^t \Rightarrow \boxed{t = E}$$

$$A = \sqrt[9]{F\sqrt{19}} \times (\frac{1}{r})^{-\frac{r}{10}} = r^{\frac{r}{10}} \times r^{\frac{r}{10}} \times r^{\frac{r}{10}} = r^{\frac{3r}{10}} = r^{\frac{3 \times 10}{10}} = r^3 = r^t$$

$$\rightarrow A = F \rightarrow (rA)^{\frac{1}{r}} = A^{\frac{1}{r}} = \frac{1}{\sqrt[r]{A}} = \boxed{\frac{1}{r}}$$

$$\rightarrow (rA)^{\frac{1}{r}} = \boxed{\frac{1}{r}}$$

$$a^{\frac{1}{r}} = r^r \times a^{\frac{1}{r}} \rightarrow a^{\frac{1}{r}} = r^r \rightarrow a^r = r^r \rightarrow a = r^{\frac{r}{r}} \rightarrow a = \frac{1}{r\sqrt{r}}$$

$$\rightarrow \frac{1}{a} - r = r\sqrt{r} - r \rightarrow \frac{\frac{1}{a} - r}{1 + \sqrt{r}} = \frac{r\sqrt{r} - r}{1 + \sqrt{r}} \times \frac{1 - \sqrt{r}}{1 - \sqrt{r}} = \frac{r\sqrt{r} - 9 - r + r\sqrt{r}}{1 - r}$$

$$\rightarrow \frac{r(2 - r\sqrt{r})}{r} = \boxed{2 - r\sqrt{r}}$$

$$\sqrt{x+a} - \sqrt{x-f} = r \rightarrow (\sqrt{x+a} - \sqrt{x-f})(\sqrt{x+a} + \sqrt{x-f}) = r(\sqrt{x+a} + \sqrt{x-f})$$

$$\xrightarrow{\text{منه}} x+a - (x-f) = r(\sqrt{x+a} + \sqrt{x-f}) \rightarrow x+a - x+f = r(\sqrt{x+a} + \sqrt{x-f})$$

$$\rightarrow a+f = r(\sqrt{x+a} + \sqrt{x-f}) \rightarrow (\sqrt{x+a} + \sqrt{x-f}) = \frac{a}{r} + r$$

$$\xrightarrow{\text{از طرف دوم}} \sqrt{x+a} + \sqrt{x-f} - r = \boxed{\frac{a}{r}}$$

$$\xrightarrow{\text{منه}} \boxed{\frac{a}{r}}$$