

$$11 \rightarrow 1 \quad 11 \rightarrow 4 \quad 11 \rightarrow 3 \times \varepsilon \times \omega \rightarrow 12$$

$$11 \rightarrow 1 \quad \varepsilon 1 \rightarrow 3 \quad 41 \rightarrow 50$$

$$\varepsilon + 1 = 4$$

$$11 \times 4 = 44$$

19 49 V

مطلوب

$$\rightarrow \varepsilon \sqrt{(\varepsilon + \sqrt{2}) - 1} \rightarrow \frac{1}{\varepsilon + \sqrt{2}} \times \varepsilon \sqrt{(1 + \sqrt{2})^2} \rightarrow \sqrt{\frac{(1 + \sqrt{2})^2}{(\varepsilon + \sqrt{2})^2}} \rightarrow \varepsilon \sqrt{2}$$

$$\frac{(1 + \sqrt{2})^2}{2} \rightarrow 1 + 2 + 2\sqrt{2} = \frac{3 + 2\sqrt{2}}{2} \rightarrow \varepsilon + \sqrt{2}$$

$$\rightarrow (\sqrt{2} + \sqrt{2} + \sqrt{2 + \sqrt{2}}) \rightarrow \frac{\sqrt{2} + \sqrt{2}}{\sqrt{10 + 2}} \rightarrow \frac{\sqrt{10} - 2}{\sqrt{10} - 2}$$

$$\frac{\sqrt{20} + \sqrt{20} - 2\sqrt{2} - 2\sqrt{2}}{4} \rightarrow \frac{2\sqrt{20} + 2\sqrt{2} - 2\sqrt{2} - 2\sqrt{2}}{4} = \frac{2\sqrt{20}}{4} = \frac{\sqrt{20}}{2}$$

مطلوب

$$\frac{2\sqrt{2} + 2\sqrt{2}}{2 - \sqrt{2}} = \frac{2\sqrt{2} + 2\sqrt{2}}{2 - \sqrt{2}} \times \frac{2 + \sqrt{2}}{2 + \sqrt{2}}$$

$$\frac{1 + \sqrt{2} + 2\sqrt{2} + 2\sqrt{2}}{2} = \frac{19(\sqrt{2} + \sqrt{2})}{2} = \sqrt{2} + \sqrt{2}$$

$$\frac{1}{\sqrt{2} - 1} \times \frac{\sqrt{2} + 1}{\sqrt{2} + 1} = \frac{\sqrt{2} + 1}{2}$$

$$\sqrt{2} + \sqrt{2} - \sqrt{2} - 1 = \sqrt{2} - 1$$

$$\sqrt{2} - 1 + (2 + \sqrt{2}) = 2\sqrt{2}$$

$$\frac{2\sqrt{2} - 1}{\varepsilon + \sqrt{2}} \times \frac{\varepsilon - \sqrt{2}}{\varepsilon - \sqrt{2}} = \frac{1\sqrt{2} - 1\sqrt{2}}{1\sqrt{2}} = \frac{1\sqrt{2} - 1\sqrt{2}}{1\sqrt{2}} = \sqrt{2} - 1$$

$$(1) \int \frac{r(\sqrt{r} + \sqrt{r})}{\sqrt{r} - \sqrt{r}} \times \frac{\sqrt{r} + \sqrt{r}}{\sqrt{r} + \sqrt{r}} = \frac{r(a + 4\sqrt{4})}{1} = \sqrt{10 + 8\sqrt{4}} \quad (4)$$

$$(\sqrt{4} + r)r = r + \sqrt{4}$$

$$r + \sqrt{4} - r = \sqrt{4}$$

$$(2) \int \sqrt{r} \times \int 14r \times \int \sqrt{r} = r \frac{14r}{9}$$

$$\frac{r}{9} + r + \frac{r}{9} = \frac{14r}{9}$$

$$\frac{r^2(1 + r + r^2 + r^3 + r^4 + r^5 + r^6)}{r^2 - r(1 + r + r^2 + r^3 + r^4 + r^5 + r^6)} = ar = \frac{r^2}{r^2 - r} = \frac{dr}{9} \quad (5)$$

$$\frac{r^2}{r^2 - r} \rightarrow r^2 - r \rightarrow r^2 - r = 0 \rightarrow r = r$$

$$[(a - b)^r (a + b)^r] = [a^r - b^r] \varepsilon = \varepsilon (\sqrt{4} - \sqrt{r})^r = \quad (6)$$

$$14(\sqrt{r} - \sqrt{r}) = 14(r - \sqrt{r}) = \frac{1}{2}(r - \sqrt{r})$$

$$a^r - b^r = r(\sqrt{4} - \sqrt{r})$$

$$\begin{aligned} &4 + r - \varepsilon \sqrt{r} \\ &\varepsilon(1 - \varepsilon \sqrt{r}) \\ &\varepsilon(r + \sqrt{r}) \end{aligned} \quad 14$$

$$t = 14$$

$$(a + \frac{1}{a} + \sqrt{r})^r (a + \frac{1}{a} - \sqrt{r})^r = r^2 \quad (7)$$

$$\sqrt{r - \sqrt{r}} = \frac{\sqrt{4} - \sqrt{r}}{r} \quad a = \frac{1}{a} = \frac{\sqrt{4} + \sqrt{r}}{r} = + \frac{r(\sqrt{4} + \sqrt{r})}{\varepsilon}$$

$$a = \frac{1}{a} = \sqrt{4}$$

$$(4 - r)^r = 14 - r \quad (8) \rightarrow t$$

$$A = \sqrt[\mu]{\varepsilon \sqrt{14} \left(\frac{1}{\mu}\right)^{-\frac{\varepsilon}{\mu}}} \rightsquigarrow (\mu A)^{-\frac{1}{\mu}} \left\{ \left(\frac{1}{\mu}\right)^{-\frac{\varepsilon}{\mu}} = \mu^{\frac{\varepsilon}{\mu}} \right.$$

$$\sqrt[\mu]{14} \rightarrow 14^{\frac{1}{\mu}} = (\mu^{\varepsilon})^{\frac{1}{\mu}} = \mu^{\frac{\varepsilon}{\mu}} \quad A = \sqrt[\mu]{\varepsilon \times \mu^{\frac{\varepsilon}{\mu}} \times \mu^{\frac{\varepsilon}{\mu}}} = \sqrt[\mu]{\varepsilon \times \mu^{\frac{2\varepsilon}{\mu}}}$$

$$\varepsilon = \mu^{\mu} \rightarrow A = \sqrt[\mu]{\mu^{\mu} \times \mu^{\frac{2\varepsilon}{\mu}}} = \sqrt[\mu]{\mu^{\frac{1\varepsilon}{\mu}}} = \mu^{\frac{1\varepsilon}{1\mu}}$$

$$\mu A = \mu \times \mu^{\frac{1\varepsilon}{1\mu}} \rightarrow \mu^{\frac{\mu \varepsilon}{1\mu}}$$

$$(\mu A)^{-\frac{1}{\mu}} = \mu^{-\frac{\mu \varepsilon}{\mu \varepsilon}}$$

مربع

$$a^{\frac{1}{\mu}} = \mu \sqrt[\mu]{a} \rightarrow \mu \sqrt[\mu]{a}^{\mu} = 1 \quad \frac{1}{a} = \mu \sqrt[\mu]{\mu}$$

$$\frac{\mu \sqrt[\mu]{\mu} - \mu}{1 + \sqrt[\mu]{\mu}} \times \frac{\sqrt[\mu]{\mu} - 1}{\sqrt[\mu]{\mu} - 1} = \frac{\mu (\sqrt[\mu]{\mu} - 1)^{\mu}}{\mu} = \frac{\mu (\varepsilon - \mu \sqrt[\mu]{\mu})}{\mu} = \boxed{\varepsilon - \mu \sqrt[\mu]{\mu}}$$

$$\sqrt{x+a} - \sqrt{x-\varepsilon} = \mu \quad (\sqrt{x+a} - \sqrt{x-\varepsilon})^{\mu} = \varepsilon$$

$$(x+a)(x-\varepsilon) - \mu \sqrt{(x+a)(x-\varepsilon)} = \varepsilon \quad \mu \sqrt{(x+a)(x-\varepsilon)} = \mu \sqrt{(x+a)(x-\varepsilon)} - \varepsilon$$

$$\mu \sqrt{x+a-\varepsilon} = \mu \sqrt{(x+a)(x-\varepsilon)} \rightarrow \sqrt{(x+a)(x-\varepsilon)} = \frac{\mu \sqrt{x+a-\varepsilon}}{\mu} = \sqrt{x+a-\varepsilon}$$

$$\sqrt{x+a-\varepsilon} = \sqrt{x-\varepsilon} + \mu \rightarrow \sqrt{x+a} + \sqrt{x-\varepsilon} = \mu$$

$$\sqrt{x+a} = \sqrt{x-\varepsilon} + \mu \rightarrow \sqrt{x+a} + \sqrt{x-\varepsilon} = \mu$$

$$\sqrt{x-\varepsilon} + \mu + \sqrt{x-\varepsilon} - \mu = \mu \sqrt{x-\varepsilon}$$

$$\nu \times \nu \frac{\varepsilon}{\mu} = \nu \frac{10}{\mu}$$

کتابی بنظر

$$\sqrt{\nu \frac{10}{\mu} - \nu \frac{\nu}{\mu}} \rightarrow \nu \frac{\nu}{\mu} \times \nu \frac{\varepsilon}{\mu} = \nu \frac{\nu}{\mu} \rightarrow \varepsilon$$

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$$(\nu A) \frac{-1}{\mu} \rightarrow (\nu^{\mu}) \frac{-1}{\mu} = \nu^{-1} \rightarrow \frac{1}{\nu} \quad \text{1 } (\nu^{\mu})$$

لازمه

$$\frac{-\nu\sqrt{a}}{\sqrt{\mu-\sqrt{a}}+\sqrt{\mu+\sqrt{a}}} \rightarrow \frac{\sqrt{\mu+\sqrt{a}}}{\sqrt{10+\nu}} \times \frac{-\nu\sqrt{a}}{\sqrt{10}} = \frac{-\nu\sqrt{10}-10}{10+\nu\sqrt{10}} = -1$$

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