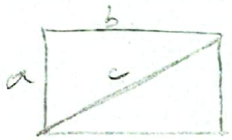


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موقع: يازد مهر دشت
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$$\frac{1+\sqrt{5}}{r} \Rightarrow \frac{1+\sqrt{5}}{\frac{\omega}{\varepsilon}} = \frac{1+\sqrt{5}}{r/\omega} \rightarrow \omega/\varepsilon + \omega/\varepsilon\sqrt{5}$$



$$\frac{c}{b} = \frac{r\omega+1}{r} \rightarrow rc = (r\omega+1)b$$

$$c = \frac{(r\omega+1)b}{r}$$

$$b^2 + a^2 = c^2$$

$$b^2 + a^2 = \frac{(r\omega+1)^2 b^2}{r^2} \rightarrow ar = \frac{b^2(r+r\omega) - \varepsilon b^2}{\varepsilon} \rightarrow ar = \frac{b^2(r+r\omega)}{\varepsilon}$$

$$\frac{b^2}{a^2} = \frac{\varepsilon}{r+r\omega} = \frac{r}{1+r}$$

$$\mu a + \sqrt{rar+ra} = r \rightarrow \mu a - r = -\sqrt{rar+ra}$$

$$\frac{a+1}{a} \rightarrow 1 + \frac{1}{a} \rightarrow 1 + \mu/\omega \rightarrow \left(\frac{\varepsilon}{\omega}\right)$$

$$rar + \varepsilon - 12a = rar + \varepsilon a$$

$$var - 12a + \varepsilon = 0$$

$$ar - 12a + \mu = 0$$

$$(a-12)(a-\mu)$$

$$X \left(\frac{12}{\mu} \right) \left(\frac{\mu}{a} \right)$$

$$\frac{\sqrt{n+1}}{\sqrt{n-1} + \mu} - \frac{\sqrt{n+1}}{\mu - \sqrt{n-1}} = \frac{n-1}{\sqrt{n-1}}$$

$$(\sqrt{n-1} + \mu) \left(\frac{\mu - \sqrt{n-1}}{\mu - \sqrt{n-1}} \right) = 10 - u$$

$$(\sqrt{n+1}) \left(\frac{-r\sqrt{n+1}}{10-u} \right) = \sqrt{n-1} \rightarrow -r\sqrt{n+1} = 10-u$$

$$\mu^2 - r\varepsilon u + 99 = 0 \rightarrow \Delta' = b'^2 - ac \rightarrow \Delta' = (-12)^2 - 99 \rightarrow \mu_1$$

$$\mu_1 = \frac{-b' \pm \sqrt{\Delta'}}{a} \rightarrow \mu_1 = 12 \pm \varepsilon\sqrt{\mu}$$

$$\mu_1 = 12 - \varepsilon\sqrt{\mu}$$

$$\frac{1}{\sqrt{r-u} + r} - \frac{1}{r - \sqrt{r-u}} = \frac{r-u}{\omega\sqrt{r-u}}$$

$$(\sqrt{r-u} + r)(r - \sqrt{r-u}) = (r-u) \rightarrow \mu + u$$

$$\frac{r\sqrt{r-u}}{r+u} = \frac{\sqrt{r-u}}{\omega} \rightarrow -1 = r+u$$

$$u = -12$$

$$\frac{1}{ur} + \frac{1}{(1-u)r} = \frac{140}{a} \rightarrow \frac{ur + (ur - ur + 1)}{(u(1-u))r} = \frac{140}{a} \rightarrow \frac{r(ur - u) + 1}{(u - ur)r} = \frac{140}{a}$$

$$\frac{r\epsilon + 1}{\epsilon r} = \frac{140}{a} \rightarrow \frac{\epsilon r + r\epsilon + 1}{\epsilon r} = \frac{140}{a} \rightarrow \left(\frac{1+\epsilon}{\epsilon}\right)^r = \frac{140}{a}$$

$$\frac{1+\epsilon}{\epsilon} = \sqrt[r]{\frac{140}{a}} \rightarrow \ln \left(\frac{1+\epsilon}{\epsilon}\right) = \frac{r}{19} \rightarrow u^r - u = \frac{r}{19} \rightarrow u^r - u + \frac{r}{19} = 0 \Rightarrow \omega = \frac{r}{19} = 1$$

$$\frac{1}{r} \rightarrow \epsilon = \frac{r}{19} = u^r - u \rightarrow u^r - u - \frac{r}{19} = 0 \Rightarrow \omega = \frac{r}{19} = 1$$

$$\sqrt{u} + \sqrt{-u^r + fur + r\omega u - 100} + \sqrt{u^r} + \sqrt{-u^r + 4u - 1} = u + r$$

I: $-u^r + 4u - 1 \geq 0 \rightarrow (-u + \epsilon)(u - r) \geq 0$

II: $-u^r + fur + r\omega u - 100 \geq 0 \rightarrow -u^r(u - \epsilon) + r\omega(u - \epsilon) \geq 0 \rightarrow (u - \epsilon)(\omega + u)(\omega - u) \geq 0$

$I \cap II = \epsilon$

$$y = |u+r| + |u-1| = \begin{cases} u \geq 1 : r u + 1 \\ -r \leq u < 1 : 0 \\ u < -r : -r u - 1 \end{cases}$$

I: A is the point; $ru + 1 = \frac{140 - u}{r} \rightarrow A/r$

II: B is the point; $-ru - 1 = \frac{140 - u}{r} \rightarrow B/r$

$AB = \sqrt{ru^2 + ry^2} = r\sqrt{10}$

$$y = \frac{1}{r}u + r \quad y = \sqrt{ur} \epsilon u + \epsilon \sqrt{(u-r)^r} = |u-r|$$

A $\rightarrow u+r = 0 \rightarrow u+r \rightarrow u=1 \rightarrow \frac{1}{r}$

$S = \frac{1}{r} \begin{vmatrix} 1 & 4 & 1 \\ r & 0 & 1 \\ 0 & r & 1 \end{vmatrix} = 1/r$

$$\frac{1}{u} + \frac{1}{u+a} = r_0 \rightarrow \frac{ru + a}{ur + au} = \frac{1}{r_0} \rightarrow ur - r|u - u_0 \rightarrow (u - r_0)(u + a)$$