

طول m عرض y

$$S_1 = FK \times \delta K = P \cdot k^2$$

$$\frac{m}{y} = \frac{0}{\varepsilon} \rightarrow y = FK \quad m = \delta K \quad \frac{m'}{y} = \frac{1+\sqrt{5}}{2} \xrightarrow{y=FK} m' = FK(1+\sqrt{5})$$

$$S_2 = FK \times FK(1+\sqrt{5})$$

$$\frac{S_2}{S_1} = \frac{FK^2(1+\sqrt{5})}{P \cdot k^2} = \frac{F}{0} \left(\frac{1+\sqrt{5}}{2} \right) = \frac{P}{0} (1+\sqrt{5})$$

$$14k^2 \left(\frac{1+\sqrt{5}}{F} \right)$$

$$\frac{\text{قطر}}{\text{طول}} = \frac{1+\sqrt{5}}{2} \quad m = \text{طول} \quad y = \text{عرض} \quad \sqrt{m^2 + y^2} \quad (2)$$

$$\frac{\sqrt{m^2 + y^2}}{m} = \frac{1+\sqrt{5}}{2} \Rightarrow \frac{m^2 + y^2}{m^2} = \frac{(1+\sqrt{5})^2}{4}$$

تفصیل صورت درمخرج

$$\frac{y^2}{m^2} = \frac{1+\sqrt{5}+2\sqrt{5}-4}{4} = \frac{2+2\sqrt{5}-3}{4} = \frac{2\sqrt{5}-1}{4} \Rightarrow \frac{1+\sqrt{5}}{2} = \frac{m^2}{y^2} = \frac{1}{1+\sqrt{5}}$$

$$\sqrt{ka^2 + ka} = P - ka \quad (3)$$

$$ka^2 + ka = P + 9a^2 - 12a \Rightarrow \sqrt{a^2 - 14a + 45} \rightarrow a^2 - 14a + 45$$

$$(a - \frac{14}{2})(a - \frac{45}{2}) \Rightarrow a = 7 \rightarrow \text{نسبت نهایی}$$

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$$\frac{\frac{P}{V} + 1}{\frac{P}{V}} = \frac{\frac{9}{V}}{\frac{P}{V}} = \frac{9}{P} = \frac{P}{9}$$

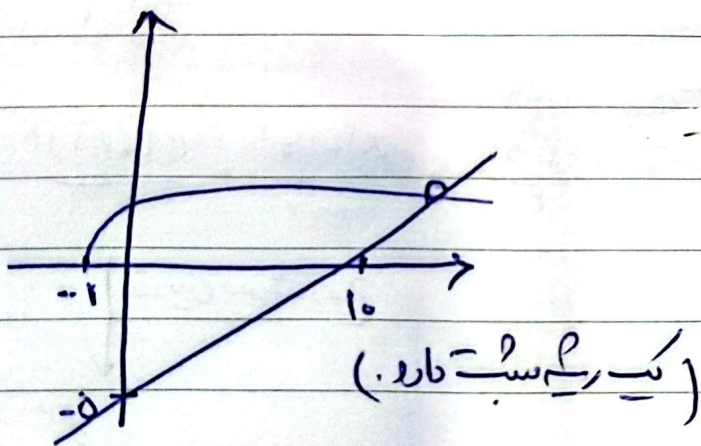
$$\frac{\sqrt{n+1} (r - \sqrt{n-1}) - \sqrt{n+1} (\sqrt{n-1} + r)}{9 - (n-1)} = \frac{(\sqrt{n-1})^2}{\sqrt{n-1}} \rightarrow \quad (5)$$

$$\rightarrow \frac{r\sqrt{n+1} - \sqrt{n}r - \sqrt{n}r - r\sqrt{n+1}}{10 - n} = \sqrt{n-1} \quad (5)$$

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

بسط $\rightarrow \sqrt{n-1} \neq 0$

$$-r\sqrt{n+1} = 10 - n \rightarrow \sqrt{n+1} = \frac{n}{r} - 10$$



$$\frac{r - \sqrt{r-m} - \sqrt{r-m} - r}{r - r + m} = \frac{(\sqrt{r-m})^2}{0 \sqrt{r-m}} \rightarrow \frac{-r\sqrt{r-m}}{r + m} = \frac{r-m}{0 \sqrt{r-m}} \quad (5)$$

$$10(r - m) = r - m^2$$

$$m^2 + 10m - r = 0 \rightarrow (m+12)(m-2) = 0$$

$$m = -12 \quad \text{و} \quad m = 2$$

چون مخرج تعریف $\rightarrow$ $m = 2$
 نه

$$S_1 + S_r = r$$

(9)

$$\left(\frac{1}{n}\right)^r + \left(\frac{1}{1-n}\right)^r = \frac{14}{9} \Rightarrow \left(\frac{1}{n} + \frac{1}{1-n}\right)^r = r \left(\frac{1}{n} \times \frac{1}{1-n}\right) \quad (5)$$

$$\left(\frac{1}{n-nr}\right)^r = \frac{r}{n-nr} = \frac{14}{9} \Rightarrow \frac{1}{n-nr} = t$$

$$6t - 14 + 1 = \frac{14}{9} + 1$$

$$(t-1)^r = \frac{14}{9} \Rightarrow t-1 = \pm \frac{14}{9} \Rightarrow t = \frac{14}{9}$$

$$-nr + n - \frac{14}{9} \rightarrow S_1 = 1$$

$$-nr + n + \frac{14}{9} \rightarrow S_2 = 1$$

$$\frac{-10}{9} \rightarrow \frac{1}{n-nr} = \frac{14}{9} \Rightarrow \frac{-nr + n - \frac{14}{9}}{14} = \frac{-nr + n + \frac{14}{9}}{14}$$

$$S_2 = 1$$

(V)

$$\sqrt{-n^2 + 4n - 1} \Rightarrow n^2 - 4n + 1 \leq 0 \Rightarrow (n-2)(n-2)$$

$$D[r, \xi] \leftarrow \frac{r}{+1} - \frac{\xi}{-1} + \quad (5)$$

$$\sqrt{-n^2 + \xi n^2 + r \delta n - 1} \Rightarrow n^2 - \xi n^2 - r \delta n + 1$$

$$(n^2 - r \delta n)(\xi n^2 - 1) \leq 0$$

$$\rightarrow n(n^2 - r \delta) \xi - \xi(n^2 - r \delta) \leq 0$$

$$(n - \delta)(n + \delta)(n - \xi) \leq 0$$

$$D(-\delta, -\delta) \cup [\xi, \delta]$$

$$1 \text{ m} \rightarrow n \in \mathbb{R}$$

$$\sqrt{\varepsilon + \sqrt{-4\varepsilon + 4\varepsilon + 1 \dots - 1 \dots}} + \sqrt{14} \sqrt{-14 + 2\varepsilon - 1} = \varepsilon + 2 \dots$$

$n \in \mathbb{R}$ $\overline{00}$

$$\begin{array}{c} -r \\ \hline -n-r-n+1 \\ -r \end{array} \quad \begin{array}{c} 1 \\ \hline n+r+n-1 \\ r \end{array}$$

$$y + rn = -1 \quad (1)$$

$$ry + n = 14$$

$$\hookrightarrow n = -\varepsilon$$

$$y = 14 \rightarrow B$$

$$n+r-n+1$$

$$r$$

$$r = \frac{-n+14}{r}$$

$$n = 1$$

$$\overline{00\varepsilon}$$

$$y - rn = 1$$

$$ry + n = 14$$

$$\hookrightarrow n = r$$

$$y = 14 \rightarrow A$$

$$AB = \sqrt{\Delta x^2 + \Delta y^2} = \sqrt{r^2 + \varepsilon} = \sqrt{\varepsilon_0} = r\sqrt{1}$$

$$-y + n = r$$

$$y - n = -r$$

$$-y + \frac{n}{r} = -r$$

$$-y - \frac{n}{r} = -r$$

$$\frac{r}{r} n = 0 \rightarrow n = 0$$

$$y = r$$

$$\frac{-1}{r} n = -\varepsilon \rightarrow n = 1$$

$$y = 14 \rightarrow A$$

$$\sqrt{(n-r)^2} = |n-r| \frac{r}{-n+r} \frac{r}{n-r}$$

إذن A هو

$$y = n+r = \frac{14+1}{\sqrt{r}} = \frac{15\sqrt{r}}{r} = 4\sqrt{r}$$

$$BC = \sqrt{9 + \varepsilon} = r\sqrt{r}$$

$$S = \frac{r\sqrt{r} \times 4\sqrt{r}}{r} = 4r$$

Answer

$$\frac{1}{n} + \frac{1}{n+9} = \frac{1}{2} \rightarrow 2(n+9) + 2n = n(n+9) \quad (1)$$

$$2n + 18 + 2n = n^2 + 9n$$

$$n^2 - 4n - 18 = 0 \quad (5)$$

(هم‌وزن بقیه ۳۶ تبیی کند)

$$(n-18)(n+9) = 0$$

$$\sqrt{n-18} \rightarrow 9$$

$$n = 27$$

یا زهم دقت