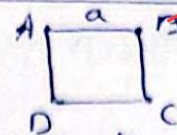


$$m_{AB} = \frac{m-k}{k+1} = -\frac{1}{1} \Rightarrow \frac{m-k}{1} = -1 \Rightarrow m-k = -1 \Rightarrow m-k = -1$$



$$a = \sqrt{(1-k)^2 + (m-k)^2} = \sqrt{1+1} = \sqrt{2} \Rightarrow S_{\text{مربع}} = (\sqrt{2})^2 = 2$$

AC = 2a, B(1,1), m_{AB} = \frac{1+k}{1-k} = \frac{1}{1} \Rightarrow m_{DC} = \frac{1-k}{1+k} = -1 \Rightarrow m = -1

AB \perp BC \Rightarrow m_{BC} = \frac{1-1}{1-k} = \frac{0}{1-k} = 0 \Rightarrow y = 1

b = \sqrt{(1-1)^2 + (1-1)^2} = 0

a = \sqrt{(1-1)^2 + (1-1)^2} = 0

P_{ABCD} = 2(1+1) = 4

$\tan 45^\circ = 1 \Rightarrow m = 1 \Rightarrow \frac{1-m}{m-1} = -1 \Rightarrow \frac{1-1}{1-1} = -1 \Rightarrow \frac{0}{0} = -1$

$\Rightarrow \sqrt{1+m^2} + \sqrt{1} = 0 \Rightarrow m^2 + 1 = 0 \Rightarrow m = \pm i$

$$\frac{1}{\sqrt{1}} + \frac{1}{\sqrt{1}} = \frac{2}{\sqrt{1}} \Rightarrow \frac{2}{1} = 2$$

A(1,1), B(1,1), C(1,1)

m_{BC} = \frac{1-1}{1-1} = \frac{0}{0} = 0

y = 1 \Rightarrow 1 = 1 \Rightarrow y = 1

$$AH = \frac{|1-1+1|}{\sqrt{1+1}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

B = \frac{1}{1} \cdot 1 = 1 \Rightarrow 1-1 = 0 \Rightarrow 1-1 = 0 \Rightarrow 1-1 = 0 \Rightarrow 1-1 = 0

B(1,1), AC = 1 \Rightarrow y = 1

$$BH = \frac{|1-1-1|}{\sqrt{1+1}} = \frac{-1}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$$

$\frac{1}{1} = 1 \Rightarrow \frac{1}{1} = 1 \Rightarrow \frac{1}{1} = 1 \Rightarrow \frac{1}{1} = 1$

$n = \frac{1}{1} \Rightarrow n = 1 \Rightarrow \frac{1}{1} = 1 \Rightarrow \frac{1}{1} = 1$

a = 1, b = 1, c = 1

y = 1

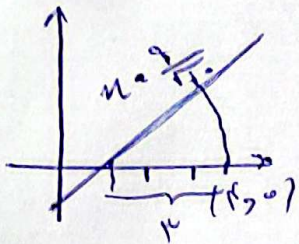
$$a = \frac{|1-0|}{\sqrt{1+1}} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$S_{\text{مربع}} = \sqrt{1+1} = \sqrt{2} \Rightarrow \frac{1}{1} = 1 \Rightarrow \frac{1}{1} = 1$$

$$n = 1.2 \Rightarrow y = 2.2 \frac{m}{\mu} - 1.2y \quad \text{AH} = \frac{|x+0-1|}{\sqrt{1+9}} = \frac{1}{\sqrt{10}} = \frac{1}{\sqrt{10}}$$

$$n = \sqrt{9 - \frac{9}{10}} = \sqrt{\frac{11}{10}} = \frac{9}{\sqrt{10}}$$

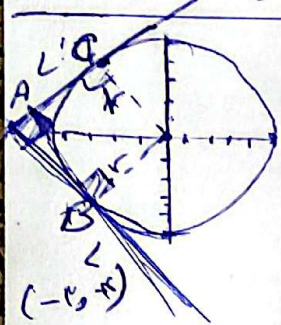
$$S = \frac{1}{r} \propto \frac{1}{\sqrt{10}} \propto \frac{9}{\sqrt{10}} = \frac{1}{\sqrt{10}} = 1.1 \mu\text{m}$$



$$\left(-\frac{1}{r}, b\right) = \left(-\frac{1}{r}, a\right) \Rightarrow m_D = \frac{a-b}{-\frac{1}{r} + \frac{1}{r}} = \sqrt{r} \Rightarrow \frac{a-b}{-\frac{1}{r}} = \sqrt{r} \Rightarrow a-b = -\frac{\sqrt{r}}{r}$$

$$d = \sqrt{\left(-\frac{1}{r} + \frac{1}{r}\right)^2 + (a-b)^2} = \sqrt{\left(-\frac{1}{r}\right)^2 + \left(-\frac{\sqrt{r}}{r}\right)^2} = \sqrt{\frac{1}{r^2} + \frac{r}{r^2}} = \frac{r}{r}$$

$$\text{برای } r = \frac{r}{r} \Rightarrow \frac{\sqrt{r}}{r}$$



$$r = \sqrt{(0+1)^2 + (0+V)^2} = \omega$$

$$B(-1, -V) \Rightarrow m_{BO} = \frac{-V-0}{-1-0} = \frac{V}{1} \Rightarrow m_{BA} = \frac{-V}{1}$$

$$m_{BA} = \frac{-V - y_A}{-1 - x_A} = \frac{-V}{1} \Rightarrow y_A = -1, \quad x_A = -V$$

$$A(-1, -V) \Rightarrow n_A \propto y_A = V$$