

$$m \leq \frac{m-k}{k-(-1)} \leq \frac{m-k}{4} \leq -\frac{1}{4} \Rightarrow m-k \leq -1 \Rightarrow y \Rightarrow |m-k| \leq 1 \quad (1)$$

$$AB \leq \sqrt{(5x)^2 + (5y)^2} = \sqrt{4x^2 + 4y^2} = 2\sqrt{x^2 + y^2} \leq 2\sqrt{1} = 2 \quad (2)$$

$$AB \leq \sqrt{(5)^2 + (5)^2} = 5 \quad (3)$$

$$m_{AB} = m_{CP} \leq -\frac{3}{4} \leq \frac{3}{1-2n} \Rightarrow -1-2n \leq -4 \Rightarrow n \leq \frac{3}{2} \quad (4)$$

$$C \left| \begin{matrix} \frac{m}{y} \\ \frac{1}{y} \end{matrix} \right., D \left| \begin{matrix} -\frac{p}{y+m} \\ \frac{1}{y+m} \end{matrix} \right.$$

$$m_{BC} = m_{CP} \leq -1 \Rightarrow \frac{c}{p} \leq \frac{y-1}{\frac{y}{2}}$$

$$\Rightarrow C \left| \begin{matrix} \frac{m}{-1} \\ -1 \end{matrix} \right., D \left| \begin{matrix} -\frac{p}{1} \\ 1 \end{matrix} \right.$$

$$1-5R \leq$$

$$BC = \sqrt{\left(\frac{m}{-1}\right)^2 + (-1)^2} = \sqrt{m^2 + 1} \quad (5)$$

$$y = \frac{-pm}{m^2-1} \Rightarrow \frac{pm}{m^2-1} \leq \sqrt{m^2+1} \Rightarrow \sqrt{m^2+1} \leq \sqrt{m^2+1} \quad (6)$$

$$\sin = \cos \Rightarrow \sqrt{m^2+1}$$

$$|m-m_1| \leq \sqrt{5^2-4^2} = \frac{3}{2} \sqrt{5} \quad (7)$$

$$BC = \left| \begin{matrix} \frac{m}{1} \\ 1 \end{matrix} \right| \Rightarrow m \leq 1 \Rightarrow y \leq 1 \quad (8)$$

$$y = m+1 \Rightarrow \Delta D \leq \frac{|9-m+1|}{\sqrt{5}} \leq \frac{1}{\sqrt{5}} \leq 2\sqrt{5} \quad (9)$$

$$-m+1 \leq \frac{1}{2} \Rightarrow m \leq 1, y \leq 1 \quad (10)$$

$$BD \leq \frac{|9-1|}{2} = \frac{8}{2} = 4 \quad (11)$$

$$\frac{m}{\frac{1}{2}} + \frac{y}{-4} \leq 1 \Rightarrow -4m - \frac{m}{2} \leq \frac{9}{2} \Rightarrow -4m - \frac{m}{2} \leq \frac{9}{2} \quad (12)$$

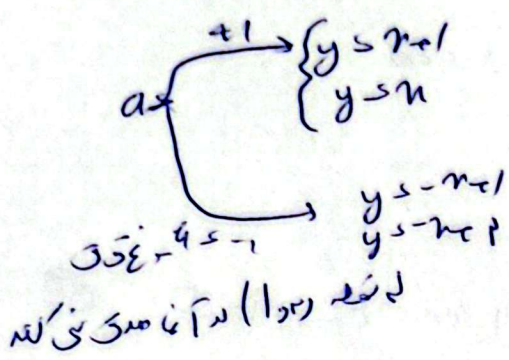
$$-\frac{9m}{2} \leq \frac{9}{2} \Rightarrow m \geq -1 \quad (13)$$

$$\left. \begin{aligned} y &\leq a + b \\ y &\leq \frac{1}{q}n + \frac{a-1}{q} \end{aligned} \right\} \Rightarrow$$

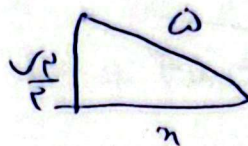
$$a \leq \frac{1}{q} \Rightarrow a' \leq 1 \Rightarrow a \leq 1$$

(V)

(2)



$$\left. \begin{aligned} y &\leq n+1 \\ y &\leq n \end{aligned} \right\} \Rightarrow \frac{|1-0|}{\sqrt{1}} = \frac{\sqrt{1}}{1}$$



$$\sqrt{1-1} = \sqrt{\frac{1}{1}} = \frac{\sqrt{1}}{1}$$

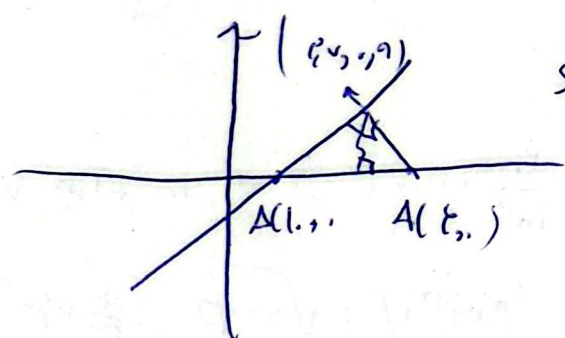
$$\frac{\sqrt{1}}{1} \times \frac{\sqrt{1}}{1} = (1, 1)$$

(1)

$$y \leq \frac{1}{p}n - \frac{1}{p} \Rightarrow y \leq -\frac{1}{p}n + b \Rightarrow r \leq -1 + b \Rightarrow (b \leq 1)$$

$$- \frac{1}{p}n + 1 \leq \frac{1}{p}n - \frac{1}{p} \Rightarrow n \leq p, \forall \Rightarrow y \leq 1$$

(2)



$$s = \frac{1}{p} \frac{1}{p} \leq 1 \text{ ca}$$

$$y = \sqrt{p}n \leq b$$

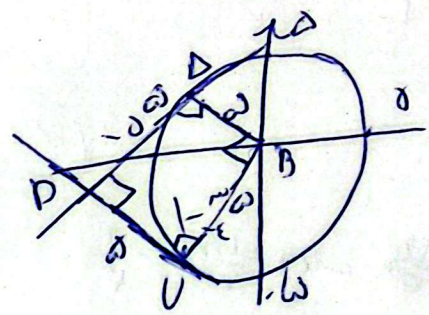
$$\left. \begin{aligned} b + \frac{\sqrt{p}}{p} &\leq c \\ a + \frac{\sqrt{p}}{p} &\leq c \end{aligned} \right\} \Rightarrow |a-b| \leq \frac{\sqrt{p}}{p}$$

(7)

$$\text{مثال: } \sqrt{\left(\frac{1}{4}\right)^2 + \frac{1}{4}} = \frac{1}{2} \quad \text{و } \frac{\sqrt{1}}{1} = 1$$

(2)

(1)



$$BC \leq y \leq \frac{1}{p}n \quad \Delta B \leq y \leq -\frac{1}{p}n$$

$$DC \leq y \leq -\frac{1}{p}n - \frac{1}{p}$$

$$A \left(n - \frac{1}{p}n \right) \Rightarrow \left(n + \frac{1}{p} \right)^2 + \left(\frac{1}{p}n - \frac{1}{p} \right)^2 \leq \omega$$

$$\Rightarrow n \leq \frac{1}{4} \varepsilon$$

(2)

$$\Rightarrow A(-\varepsilon, 1) \quad AD: y \leq \frac{1}{p}n + b \Rightarrow AD: y \leq \frac{1}{p}n + \frac{1}{p} \quad \left\{ \begin{aligned} y &\leq 1 \\ y &\leq -1 \end{aligned} \right. \Rightarrow y \leq 1$$