

$$\begin{cases} y > x-1, x \geq y \\ y > x+1, x < y \end{cases}$$

$$y = x-1 : \begin{matrix} x=0 & x=1 \\ y=-1 & y=0 \end{matrix}$$

$$y = x+1 : \begin{matrix} x=0 & x=-1 \\ y=1 & y=0 \end{matrix}$$

$$(0;0) : 0 > -1 - y \Rightarrow 0 > -1$$

$$(0;0) : 0 > 1 - x \Rightarrow 0 > 1$$

$$x^2 + (x-1)^2 = 5$$

$$2x^2 - 2x - 4 = 0$$

$$x^2 - x - 2 = 0$$

$$D = 1 + 8 = 9^2$$

$$x_1 = -1 \quad y_1 = -2$$

$$x_2 = 2 \quad y_2 = 1$$

$$|y-z| < 1$$

$$\begin{cases} y-z < 1, y-z \geq 0 \\ -y+z > 1, y-z < 0 \end{cases}$$

$$\begin{cases} y < z+1, y \geq z \\ y < z-1, y < z \end{cases}$$

$y = z+1$	$y=0$	$y=1$
	$z=-1$	$z=0$
$y = z-1$	$y=0$	$y=-1$
	$z=1$	$z=0$

$$(0;0) - y \Rightarrow 0 > -1$$

$$(0;0) - x \Rightarrow 0 > 1$$

$$x^2 + (x+1)^2 = 5$$

$$2x^2 + 2x - 4 = 0$$

$$x^2 + x - 2 = 0$$

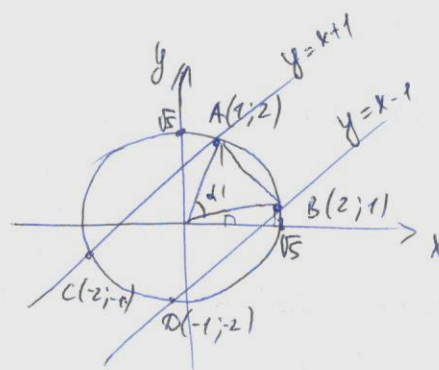
$$D = 9^2$$

$$x_3 = -2$$

$$x_4 = 1$$

$$y_3 = -1$$

$$y_4 = 2$$



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

$$AB^2 = OA^2 + OB^2 - 2OA \cdot OB \cdot \cos \alpha \Rightarrow \cos \alpha = \frac{OA^2 + OB^2 - AB^2}{2OA \cdot OB}$$

$$\cos \alpha = \frac{5+5-2}{2 \cdot 5} = \frac{8}{10} = 0,8 \Rightarrow \alpha = \arccos 0,8$$

$$\overset{\vee}{AB} = \frac{\pi R}{180} \cdot \alpha = \frac{\pi \sqrt{5}}{180} \cdot \arccos 0,8$$

$$S = 2 \cdot 2 \cdot \frac{\pi \sqrt{5}}{180} \cdot \arccos 0,8 = 2 \cdot \frac{\pi \sqrt{5}}{90} \cdot \arccos 0,8 = \frac{\pi \sqrt{5}}{45} \cdot \arccos 0,8$$

$$\text{Ответ: } S = \frac{\pi \sqrt{5}}{45} \cdot \arccos 0,8$$

