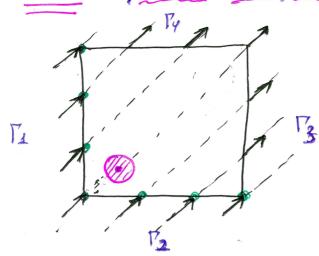
Test 2 Pahronepuce ghenemen y (0,0) 6 (1,1)



$$(0,0) \ U \ (1,0) \ U \ (0,1) \in P_{0n}$$

$$P_{3} \ U P_{4} = P_{0n} + P_{0n}$$

$$p(t, x, y) = 0$$
  $(x, y) \in P_{0H}$ 

$$(u, v) = (a, a)$$

T.K. 
$$\int_{0,5,0.5}^{0.5} x_{0.5}^{*} = x_{0.5} - \tau \alpha > 0$$
  
 $\int_{0,5,0.5}^{0.5} x_{0.5}^{*} = x_{0.5} - \tau \alpha > 0$ 

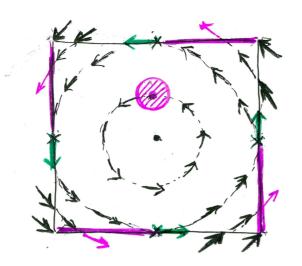
$$T < min \begin{cases} \frac{x_{0.5}}{a}, \frac{y_{0.5}}{a} \end{cases} = min \begin{cases} \frac{k_B}{2a}, \frac{k_y}{2a} \end{cases}$$

Наганно с респределение имогно сту

Pini+ = 
$$(1, (x-x_0)^2 + (y-y_0)^2 \le 2^2$$
  
 $(0, 6)$  uperehion cuya

Прешер

$$\begin{cases} x_0 = y_0 = 0.3 \\ \xi = 0.1 \end{cases}$$



$$\int_{0}^{1} \int_{0}^{1} x - x_{0} = x \cos \varphi$$

$$y - y_{0} = x \sin \varphi$$

$$\begin{cases} u := \frac{olv}{olt} = -rson\varphi \\ v := \frac{oly}{olt} = rcos\varphi \end{cases}$$

$$\int u = -y + y_0$$

$$\int v = x - x_0$$

June 1 
$$x_0 = 0.5$$
;  $y_0 = 0.5 \Rightarrow u = -y + 0.5$ .

$$\Rightarrow$$
 1)  $b(\cdot)(0,5;0,5)$   $\begin{cases} u=0\\ v=0 \end{cases}$ 

$$\Gamma_{in} := \{(0,5;1]; y=0\} \cup \{ [0;0,5); y=1\} \cup \{ \{0,5\};1] \}$$

$$\{ \{0,5\};1] \} \cup \{ \{1,5\};1] \}$$

$$p(t,x,y)=0$$
  $(x,y)\in P_{in}$ 

$$f_{init} = \begin{cases} 1, & (x - x_0^*)^2 + (y - y_0^*)^2 < \Gamma^2 \end{cases} \begin{cases} x_0^* = 0, 5 \\ y_0^* = 0, 4 \\ x = 0, 4 \end{cases}$$

$$x_{0,5,0,5} = x_{0,5} - \tau(-y_{0,5} + 0.5) > 0$$
 $y_{0,5,0,5} = y_{0,5} - \varepsilon(x_{0,5} - 0.5) > 0$ 
 $T < \frac{x_{0,5}}{-y_{0,5} + 0.5} = \frac{hx/2}{-hy + 0.5} = \frac{hx}{-hy + 1}$ 
 $T < \frac{y_{0,5}}{x_{0,5}} = \frac{hy}{x_{0,5}} = \frac{hy}{x_{0,5}$ 

Molegy