$$\int \alpha u_{\alpha} - (\alpha \alpha + y)u_{y} = 0$$

$$\int u|_{\alpha+y=2} = \varphi(y)$$

nar-e 4P-e

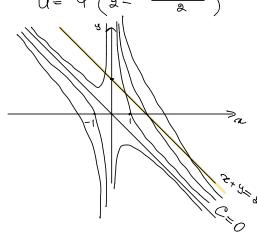
$$\frac{d\alpha}{\alpha} = \frac{dy}{-(4\alpha + y)} \iff \alpha y' = -\lambda \alpha - y \iff y = C\frac{1}{\alpha} - \alpha \iff C = (y+x)\alpha$$

Obuse penerne F((y+a)a)

$$|||_{\alpha+\beta=2} = ||||((\alpha+\alpha)\alpha)||_{\alpha+\beta=2} = |||((\beta)\alpha)||_{\alpha+\beta=2}$$

$$\exists z = \left[ (4+\alpha)\alpha \right] = 2(2-4) \implies 4 = 2-\frac{2}{\alpha}$$

$$U = \Psi \left( 2 - \frac{(3+n)\alpha}{2} \right)$$



Omben: 
$$u = \Psi\left(2 - \frac{(y+x)x}{2}\right)$$

2. 
$$\left\{ 2\pi u_{x} + (x+y)u_{y} = au \quad a = const \right.$$

$$\left\{ u \right|_{x=1} = \Psi(y)$$

$$\begin{cases} \frac{d\alpha}{ds} = 2\alpha & \alpha(0) = 1 \\ \frac{dy}{ds} = \alpha + y & y(0) = \pi \end{cases} \iff \begin{cases} \alpha = e^{2s} \\ \frac{dy}{ds} = y + e^{2s} \\ \frac{dy}{ds} = y + e^{2s} \end{cases}$$

$$S = \ln \sqrt{\pi}, \quad \pi > 0$$

$$T = \frac{y - \pi}{\sqrt{\pi}} + \Delta$$

Jeresgën K V(S, ?) = 4 (2, 3)

$$\int \frac{dv}{ds} = av$$

$$v \Big|_{s=0} = \Psi(\tau)$$

$$\Rightarrow V(s) = \Psi(\tau)e$$

$$U(x,y) = 4\left(\frac{y-x}{\sqrt{x}} + x\right)e^{-x} = 4\left(\frac{y-x}{\sqrt{x}} + x\right)x^{\frac{\alpha}{2}}$$

Ombem: 
$$u(\alpha, s) = \left( \frac{y-\alpha}{\sqrt{\alpha}} + s \right) \sqrt{\alpha}$$

$$\begin{array}{c} -111 \\ -10 \\ -10 \\ \end{array}$$

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