$$f : \mathbb{R}^m \longrightarrow \mathbb{R}^m$$

$$\varphi : \mathbb{R}^m \longrightarrow \mathbb{R}$$

$$c : \mathbb{R} \longrightarrow \mathbb{R}^m$$

$$t \longmapsto [\ \ldots\ ]$$

$$f(x_1, \ldots, x_m)$$

$$f : \mathbb{R}^m \longrightarrow \mathbb{R}$$

$$f(x,y) = \sqrt{x \cdot \ln y}$$

$$f : \mathbb{R}^2 \to \mathbb{R}$$

$$\text{tj.}$$

$$A = \mathcal{D}(f)$$

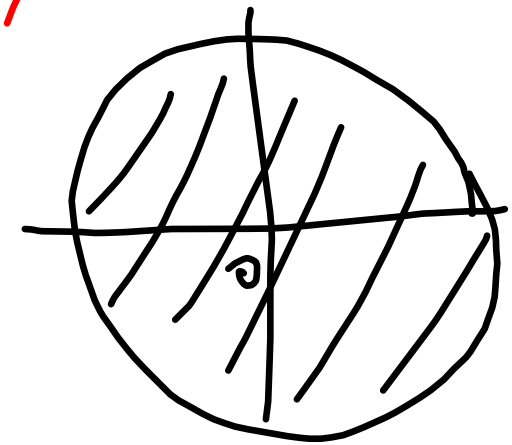
$$\underbrace{x}_{\geq 0} \cdot \underbrace{\ln y}_{\geq 0} \geq 0$$

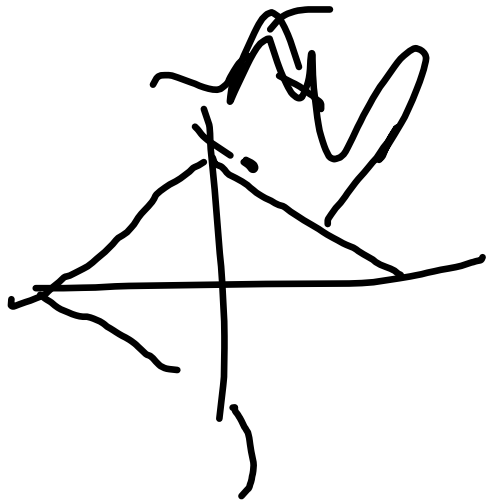
$$(x \geq 0 \wedge \ln y \geq 0) \quad \vee \quad (x \leq 0 \wedge \ln y \leq 0)$$

$$\ln y \geq 0 \Rightarrow y \geq 1 \qquad y > 0 \Rightarrow y \in (0,1)$$

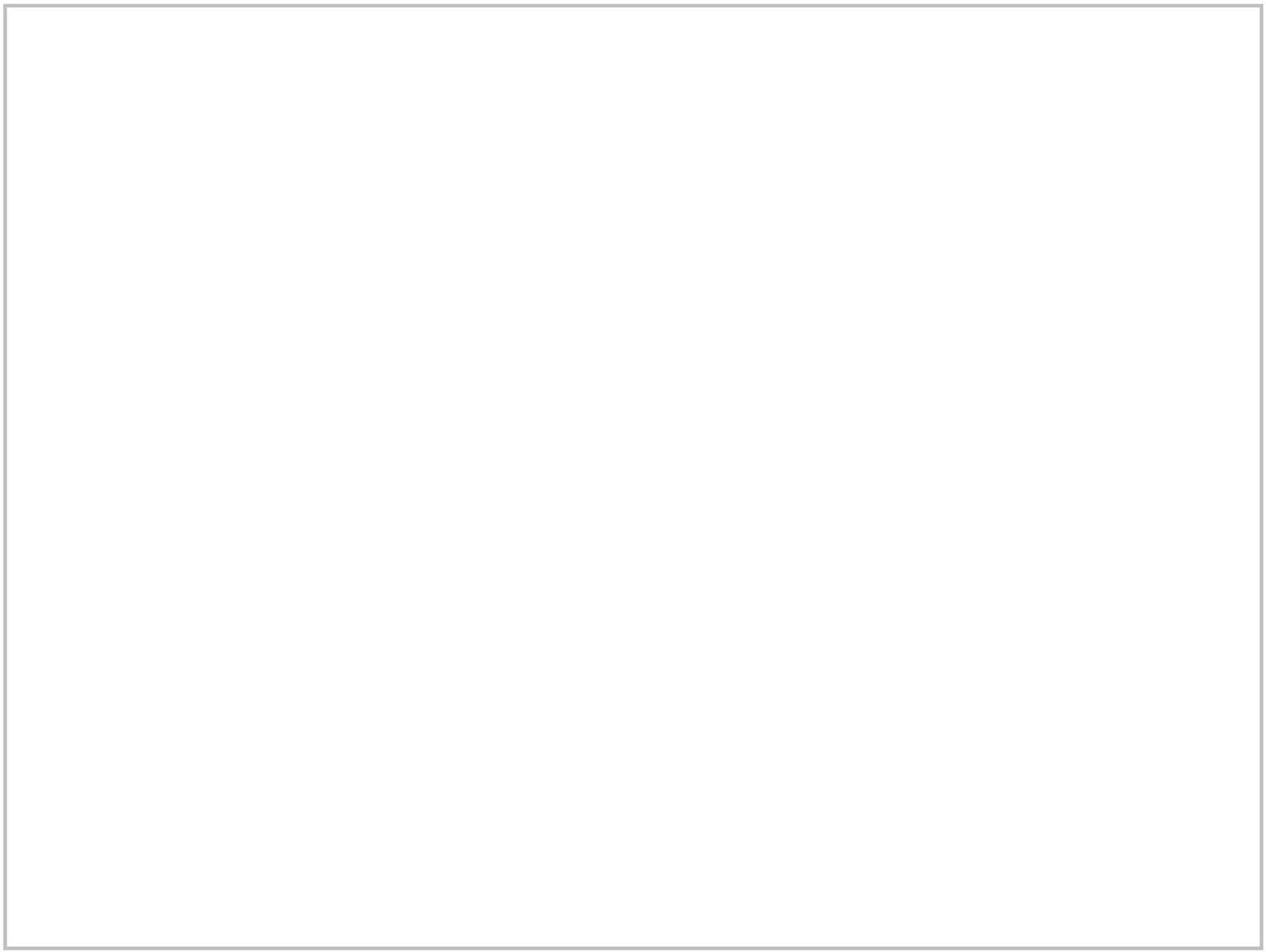
(1) $-1 \leq x^2 + y^2 - 1 \leq 1 \quad /+1$

$0 \leq x^2 + y^2 \leq 2$





(2) $|x| + |y| \geq \sqrt{2}$



Název: IX 18-16:28 (4 z 4)