

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

$$g: \mathbb{R}^m \rightarrow \mathbb{R}$$

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

$$f \mapsto [ \dots ]$$

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

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

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

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

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

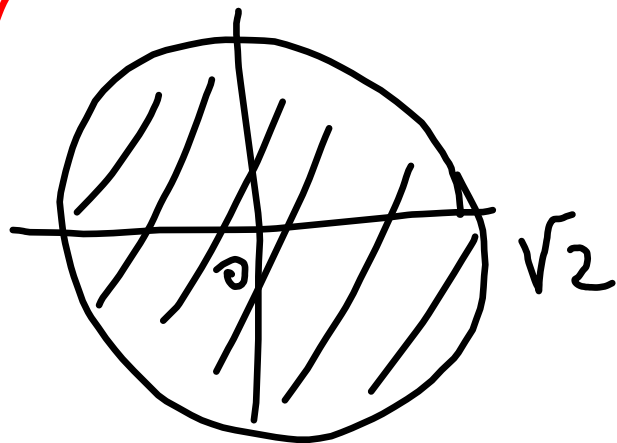
$$\sqrt{x \cdot \ln y} \geq 0$$

$$\left( \begin{array}{l} x \geq 0, \ln y \geq 0 \\ x \geq 0, y \geq 1 \end{array} \right)$$

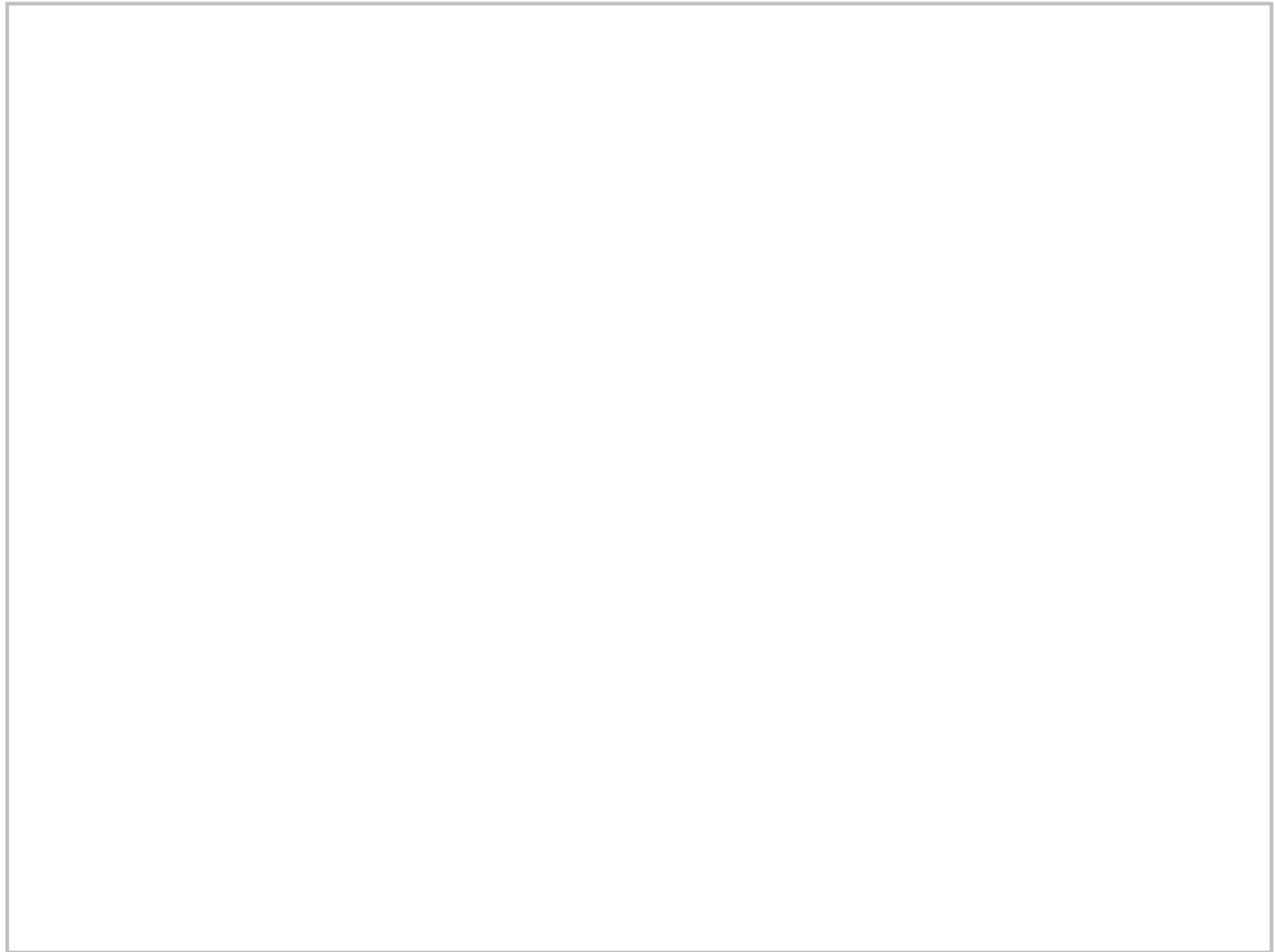
$$\vee \left( \begin{array}{l} y > 0 \\ x \leq 0, \ln y \leq 0 \\ x \leq 0, y \in (0, 1) \end{array} \right)$$

$$\textcircled{1} - 1 \leq x^2 + y^2 - 1 \leq 1 \quad | + 1$$

$$\textcircled{2} \quad \cancel{r} \quad x^2 + y^2 \leq 2$$



$$\textcircled{2} \quad |x| + |y| \geq \sqrt{2}$$



Název: IX 18-16:28 (4 z 4)