

# S STRISCIA

$$(x,y) \in \mathbb{R}^2 : |x| \leq 1$$

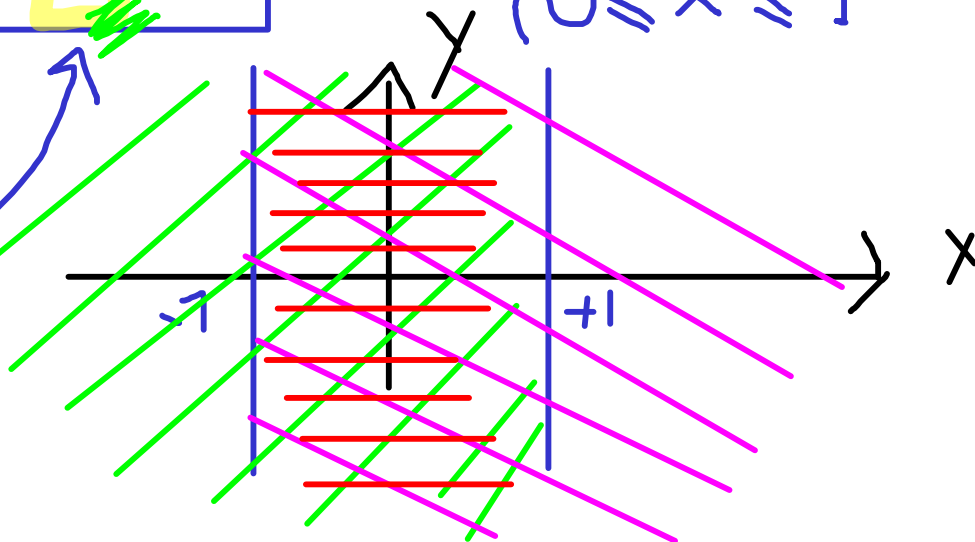
$$0 \leq |x| = \begin{cases} x & x \geq 0 \\ -x & x < 0 \end{cases}$$

$$|x| \leq 1$$

$$\begin{cases} 0 \leq x = |x| \leq 1 \\ |x| = -x \leq 1, x < 0 \end{cases}$$

$$-1 \leq x \leq +1$$

$$\begin{cases} x \geq -1 \\ 0 \leq x \leq 1 \end{cases}$$



$$\begin{aligned} x &= 1 \\ x &= -1 \end{aligned}$$

$$\{(x,y) \in \mathbb{R}^2 : |x| \leq 1, |y| \leq 1\} = A$$

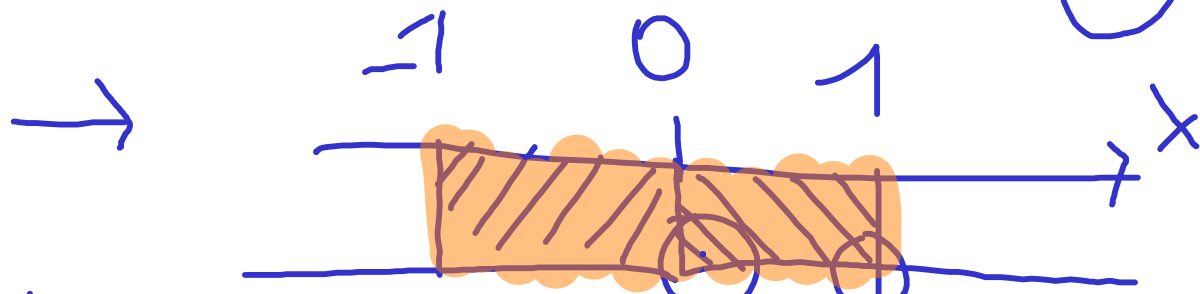
$$|x| = \begin{cases} x & x \geq 0 \\ -x & x < 0 \end{cases}$$

$$|x| \leq 1$$

$$\begin{cases} x \geq 0 \rightarrow x \leq 1 \\ x < 0 \rightarrow -x \leq 1 \end{cases}$$

$$x \geq -1$$

$$-x \leq 1 \rightarrow -1 \leq x$$



$$\begin{cases} |x| \leq 1 \Rightarrow -1 \leq x \leq 1 \\ |y| \leq 1 \Rightarrow -1 \leq y \leq 1 \end{cases} \quad A$$

