

$$A \subset 2^\Omega$$

↓ \mathcal{P}

$$[0,1] \subset \mathbb{R}$$

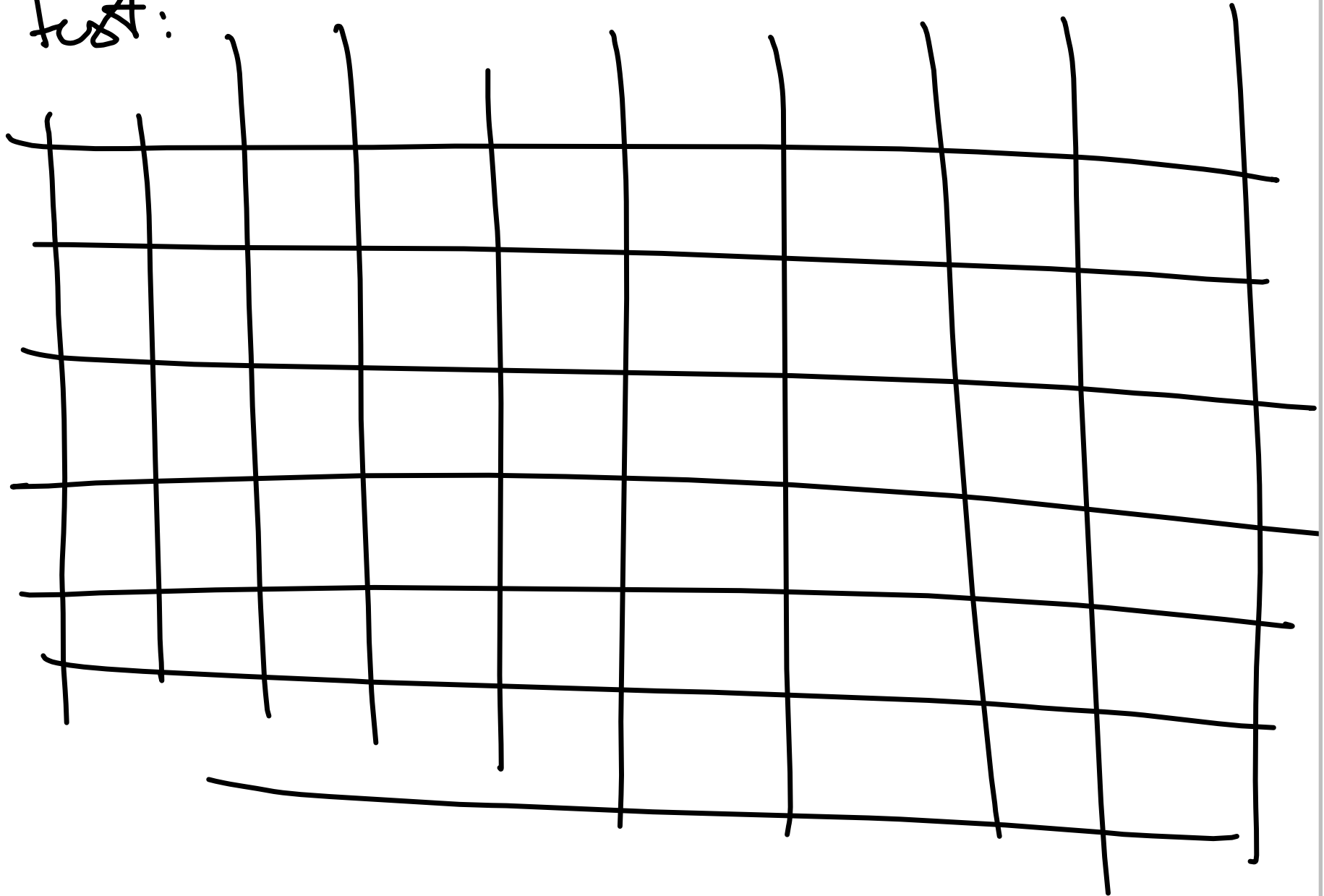
↳ úroveň \mathcal{P} :
 $A = 2^\Omega$

$$|\Omega| = n \quad B \in \mathcal{A}$$
$$\mathcal{P}(B) = \frac{|B|}{|\Omega|}$$

$$\Omega = A^c \cup A, \quad A^c \cap A = \emptyset$$

$$\mathcal{P}(A^c) + \mathcal{P}(A) = \mathcal{P}(\Omega) = 1$$

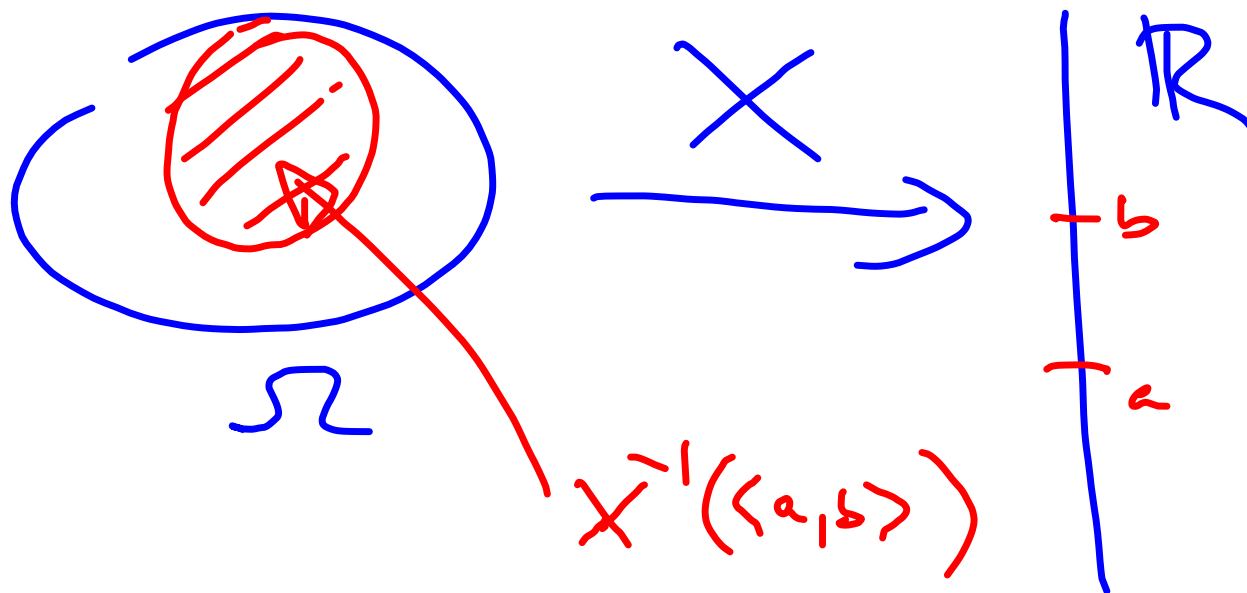
test:

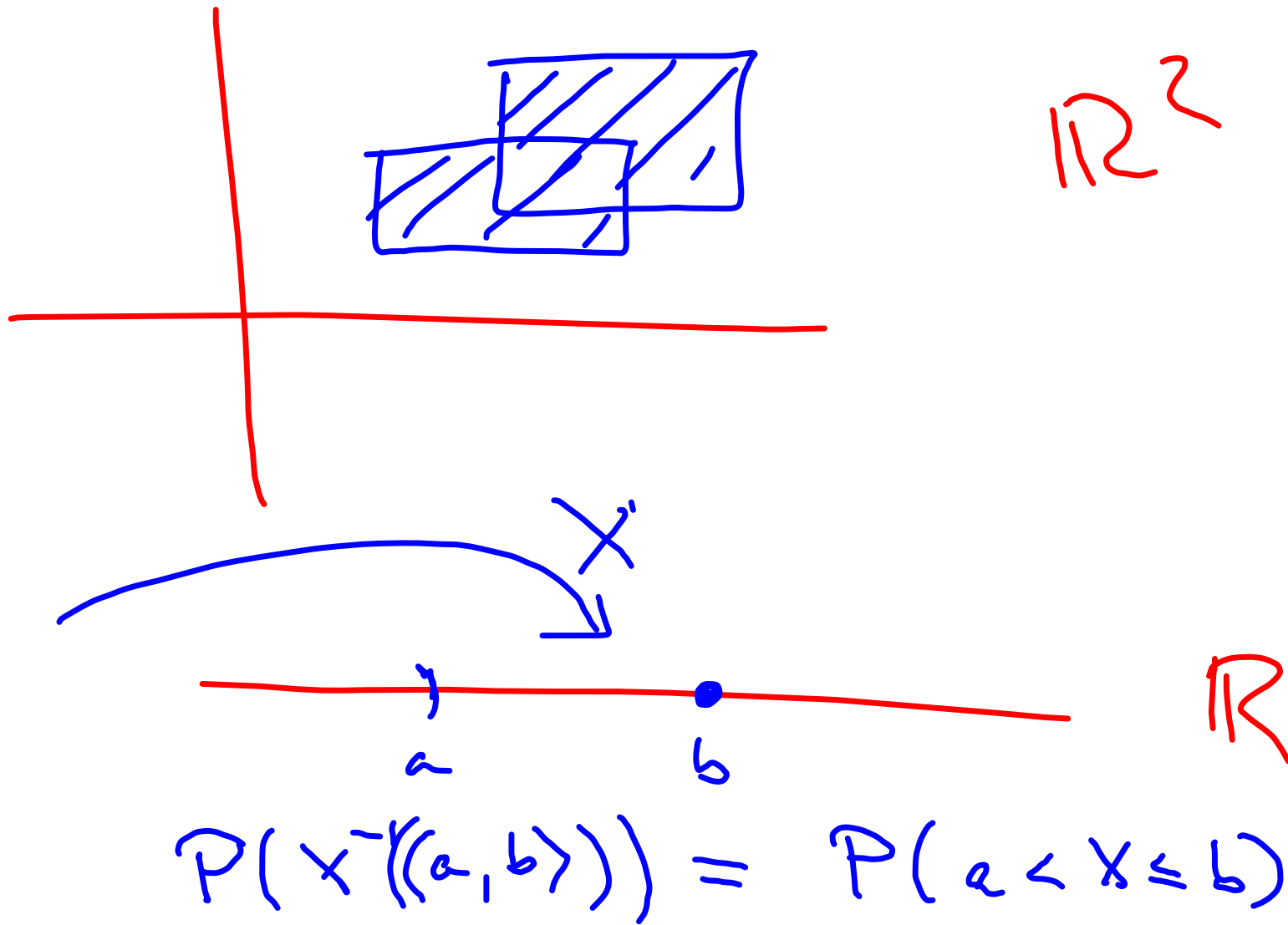


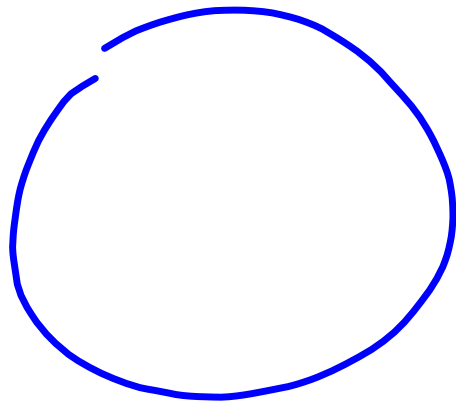
$$H = \{1, 3, 5\} \quad (\text{celá čísla})$$

$$A = \{3\}$$

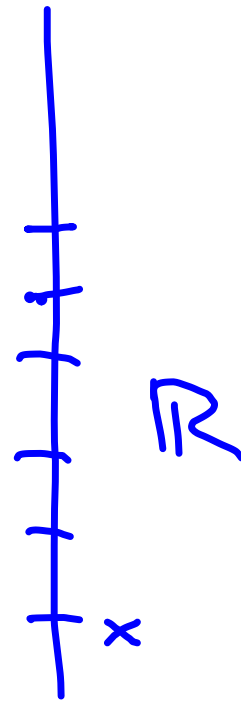
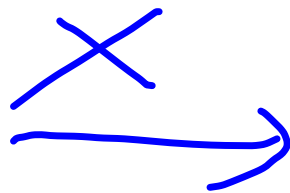
$$P(A|H) = \frac{P(A \cap H)}{P(H)} = \frac{\frac{1}{6}}{\frac{2}{3}} = \frac{1}{4}$$







S

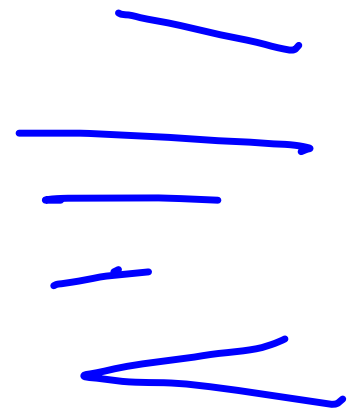


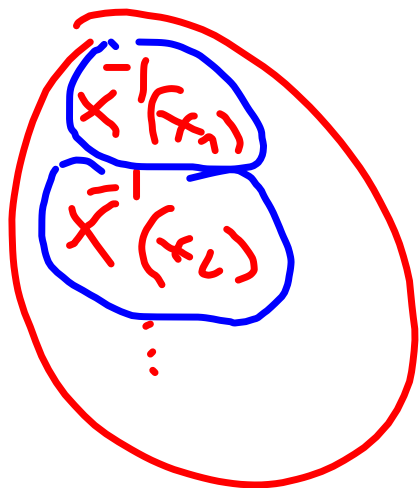
"distribuce
participace"

$$A_x = P(X \leq x)$$

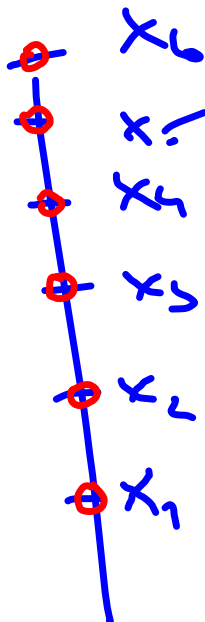
$$F(x) = P(A_x)$$

$$F: \mathbb{R} \rightarrow [0, 1]$$



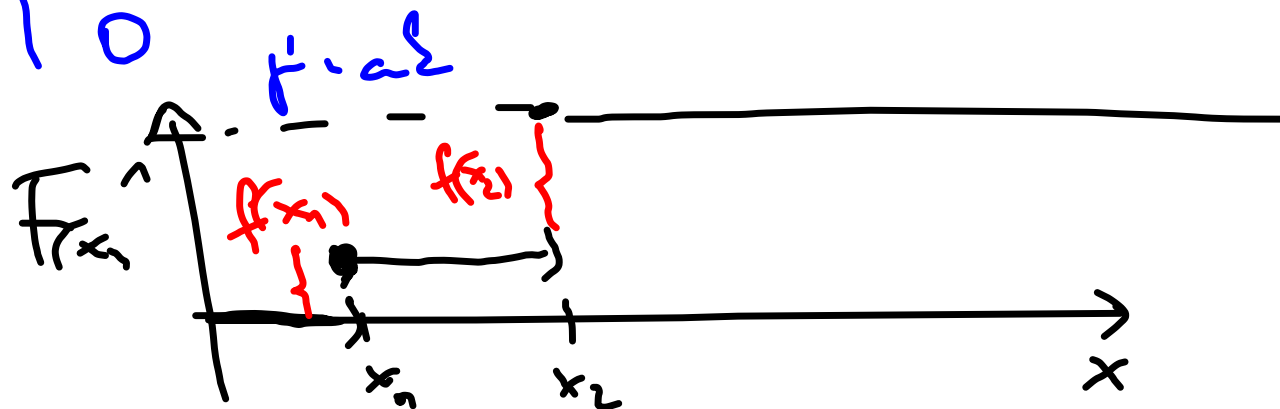


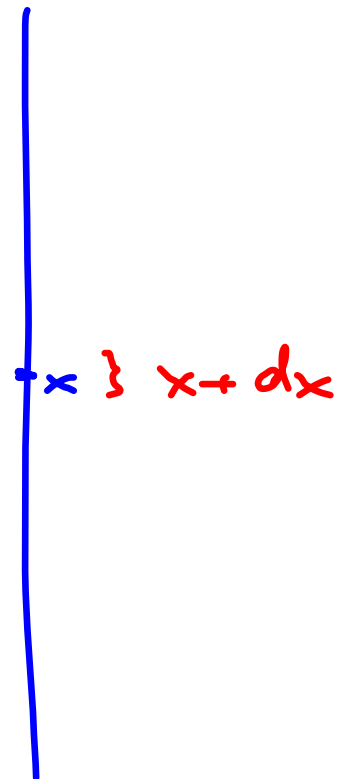
X



"rozdělení!
pro vše probíhající"

$$f(x) = \begin{cases} P(X = x_i) & , x = x_i \in \mathbb{R} \\ 0 & \end{cases}$$





$$F(x) = \int_{-\infty}^x f(t) dt$$

$$F'(x) = f(x)$$