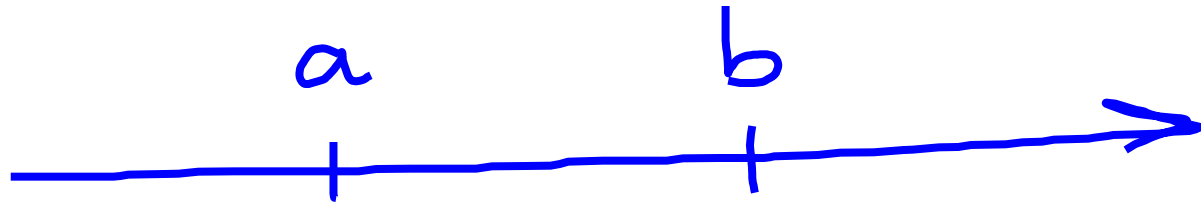


# Intervalli limitati



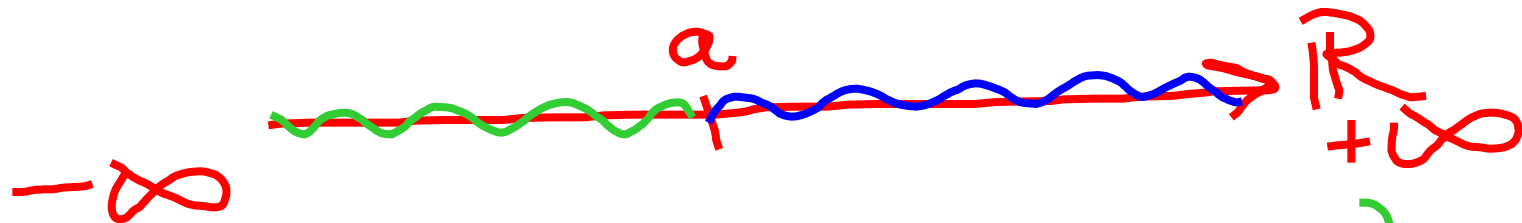
$$]a, b[ = \{x \in \mathbb{R} : a < x < b\}$$

$$[a, b[ = \{x \in \mathbb{R} : a \leq x < b\}$$

$$]a, b] = \{x \in \mathbb{R} : a < x \leq b\}$$

$$[a, b] = \{x \in \mathbb{R} : a \leq x \leq b\}$$

# Intervalli illimitati



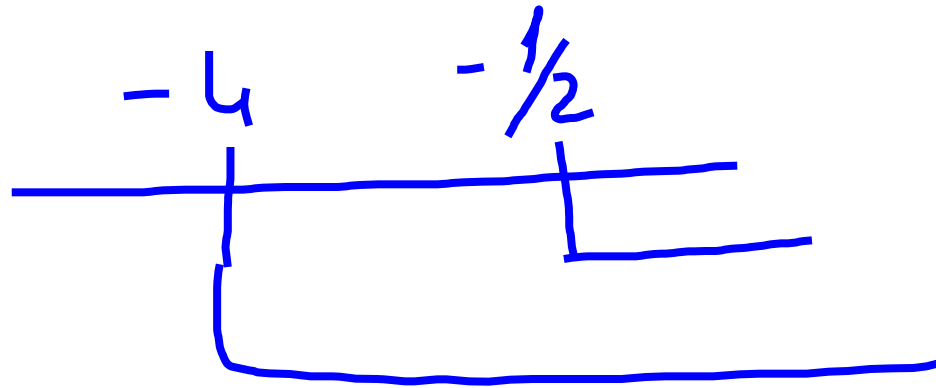
$$]-\infty; a[ = \{x \in \mathbb{R} : x < a\}$$

$$]a, +\infty[ = \{x \in \mathbb{R} : x > a\}$$

$$\mathbb{R} - \{a\}$$

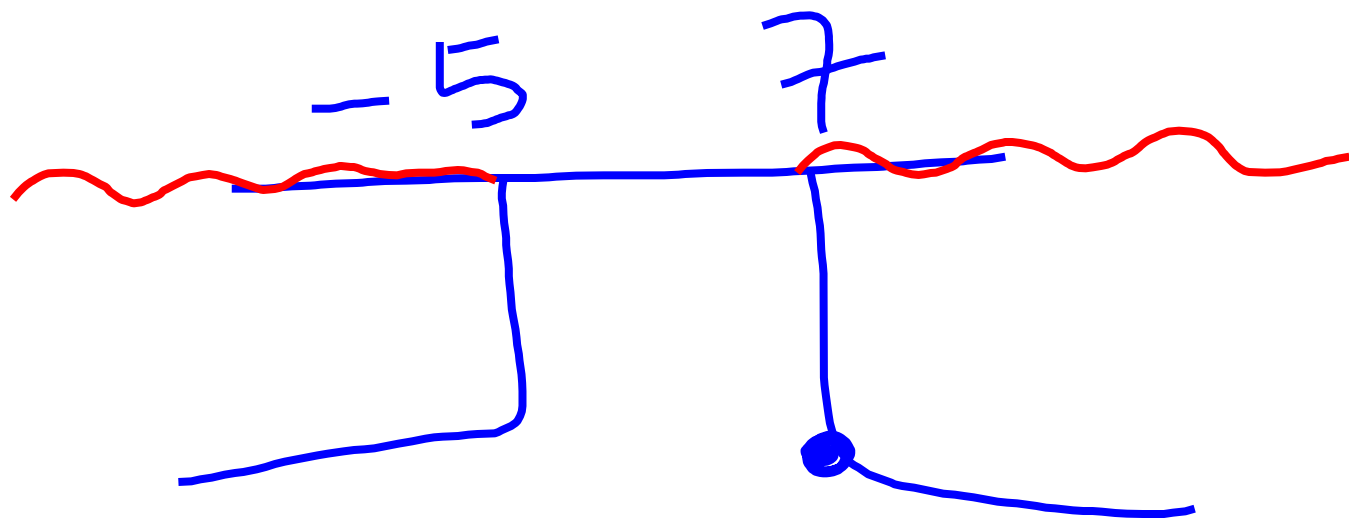
$$]-\infty, a[ \cup ]a, +\infty[$$

$$x > -\frac{1}{2} \vee x > -4$$



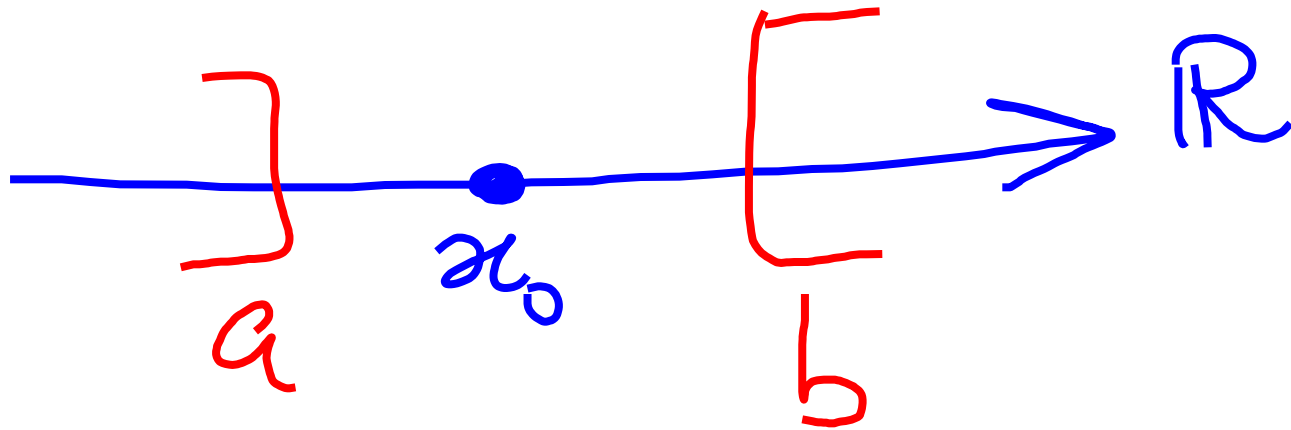
$$\left] -\frac{1}{2}; +\infty \right[ \quad x$$

$$I(+\infty)$$



$$]-\infty, -5] \cup [7, +\infty[$$

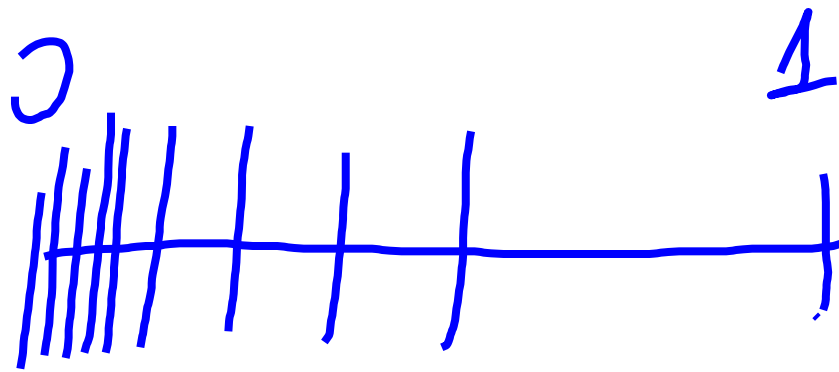
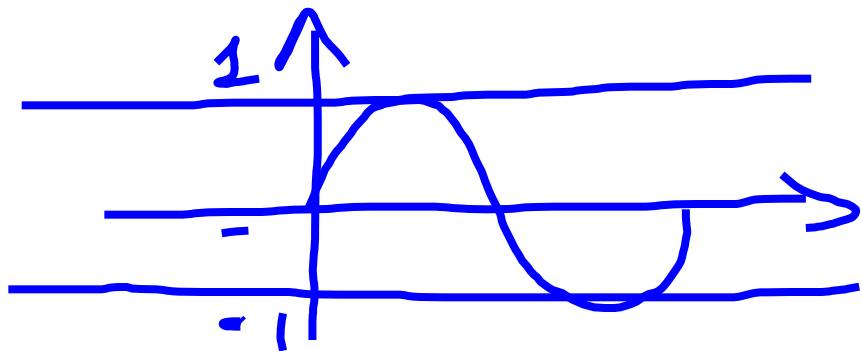
# Intorno



$I(x_0)$

$$I(5) = ]4, 6[$$

Insiemi limitati



$$\text{Cod } f = [-1, 1]$$

$$A = \left\{ \frac{1}{n} : n \in \mathbb{N}^* \right\} = \left\{ 1, \frac{1}{2}, \frac{1}{3}, \dots \right\}$$