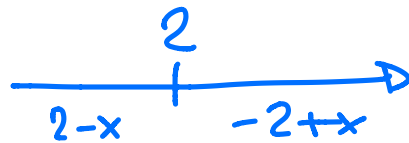


VALORE ASSOLUTO

$$|+5|=5 \quad |-5|=5$$

$$|x| \begin{cases} x \geq 0 \\ x < 0 \end{cases} \begin{cases} |x|=x \geq 0 \\ |x|=-x > 0 \end{cases} \Rightarrow |x| \geq 0 \quad \forall x \in \mathbb{R}$$

$$\text{ES } |2-x| \begin{cases} 2-x \geq 0, x \leq 2 \Rightarrow |2-x|=2-x \\ 2-x < 0, x > 2 \Rightarrow |2-x|=-2+x \end{cases}$$



$$|x-5| > 2x+1$$

$$\begin{cases} x-5 \geq 0 \\ x-5 > 2x+1 \end{cases} \cup \begin{cases} x-5 < 0 \\ -x+5 > 2x+1 \end{cases}$$



$$\begin{cases} x \geq 5 \\ -x > 6 \\ x < -6 \end{cases}$$

$$\begin{cases} x < 5 \\ -3x > -4 \\ x < 4/3 \end{cases}$$

$$x < \frac{4}{3}$$

