

VALORE ASSOLUTO

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

$$|x^2 - 5| = 4$$

$$\begin{cases} x^2 - 5 \geq 0 \\ x^2 - 5 = 4 \end{cases}$$

$$\begin{cases} x^2 - 5 < 0 \\ -x^2 + 5 = 4 \end{cases}$$

$$\begin{cases} x \leq \sqrt{5} \wedge x \geq -\sqrt{5} \\ x = \pm 3 \text{ OK} \end{cases} \quad \begin{cases} -\sqrt{5} < x < \sqrt{5} \\ x = \pm 1 \text{ OK} \end{cases}$$

