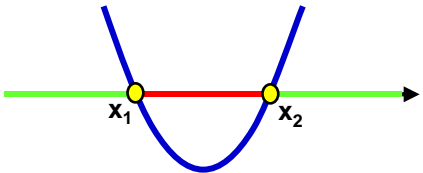
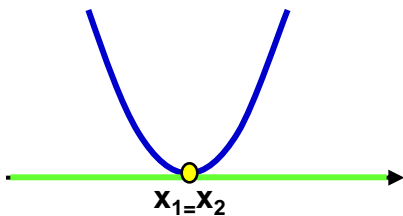
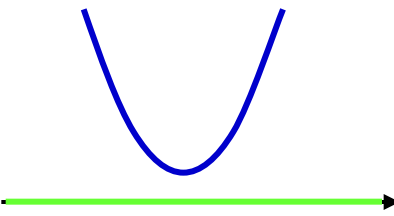


POLINOMIO DI 2° GRADO

(risoluzione di equazioni e disequazioni)

$$P(x) = ax^2 + bx + c \begin{cases} \geq \\ < \end{cases} 0 \quad \text{se } a < 0 \quad P_1(x) = -ax^2 - bx - c \begin{cases} \leq \\ > \end{cases} 0$$

$\Delta = b^2 - 4ac$		radici	$P(x) > 0$	$P(x) = 0$	$P(x) < 0$
$\Delta > 0$		$x_{1,2} = \frac{-b \pm \sqrt{\Delta}}{2a}$	$x < x_1$ e $x > x_2$	$x = x_1$ e $x = x_2$	$x_1 < x < x_2$
$\Delta = 0$		$x_1 = x_2 = \frac{-b}{2a}$	$x \neq x_1 = x_2$	$x = x_1 = x_2$	mai
$\Delta < 0$		$x_{1,2} \notin \mathbb{R}$	$\forall x_{1,2} \in \mathbb{R}$	mai	mai