## DISEQUAZIONI DI SECONDO GRADO INTERE

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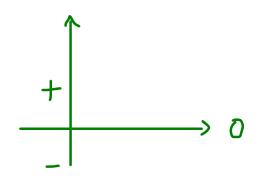
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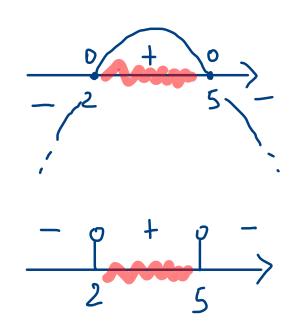
$$QX^{2}+bX+c$$



$$-X^{2} + 7x - 10 > 0$$

$$\Delta = 49 - 40 = 9$$

$$X_{1,2} = \frac{-7 \pm 3}{-2} = \frac{2}{5}$$



$$X \in 2 \cup X \geq 5$$

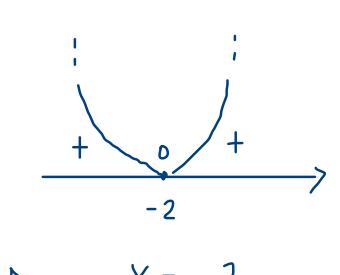
$$\frac{1}{4} X^{2} + X + 1 \le 0$$

$$X^{2} + 4X + 4 \le 0$$

$$X^{2} + 4x + 4 \le 0$$

$$\Delta = 16 - 16 = 0$$

$$X_{1,2} = -\frac{4}{2} = -2$$

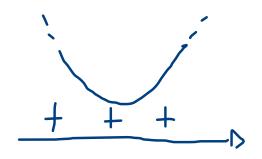


$$> 0 \rightarrow X \neq -2$$
  $X \leftarrow -2 \cup X > -2$   $\mathbb{R} - \{-2\}$ 

$$X + X^2 \leq -1$$

$$x^{1}+x+1 \leq 0$$

$$\Delta = 1 - 4 = -3$$



> 0 - R