

Exception handling: unboundedness

**Example.** Maximize

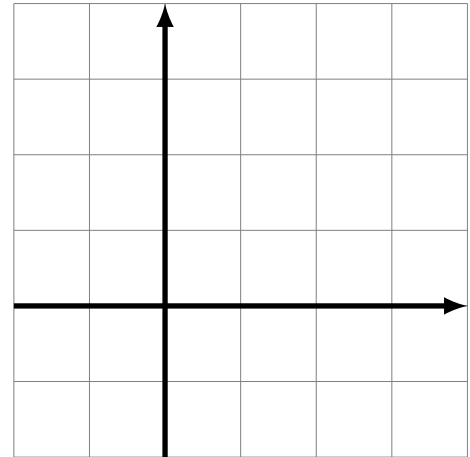
$$z = x_1$$

subject to:

$$x_1 - x_2 \leq 1$$

$$-x_1 + x_2 \leq 2$$

$$x_1, x_2 \geq 0$$



## Exception handling: degeneracy

**Example.** Maximize

$$z = x_2$$

subject to:

$$-x_1 + x_2 \leq 0$$

$$x_1 \leq 2$$

$$x_1, x_2 \geq 0$$

