

Exception handling: unboundedness

Example. Maximize

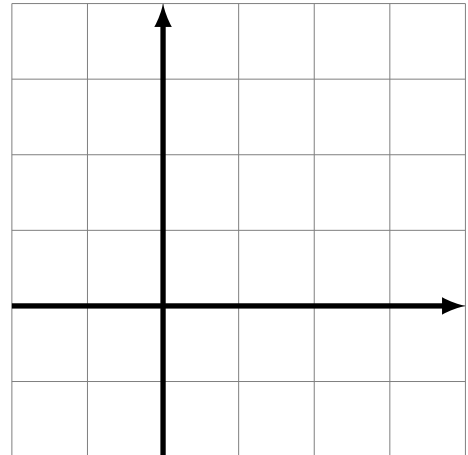
$$z = x_1$$

subject to:

$$x_1 - x_2 \leq 1$$

$$-x_1 + x_2 \leq 2$$

$$x_1, x_2 \geq 0$$



x_1	x_2	s_1	s_2	
1	-1	1	0	1
-1	1	0	1	2
1	0	0	0	z

Exception handling: degeneracy

Example. Maximize

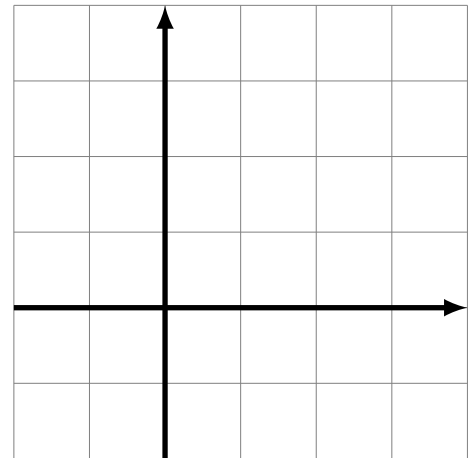
$$z = x_2$$

subject to:

$$-x_1 + x_2 \leq 0$$

$$x_1 \leq 2$$

$$x_1, x_2 \geq 0$$



x_1	x_2	s_1	s_2	
-1	1	1	0	0
1	0	0	1	2
0	1	0	0	z