x_2

$(0, 2)$

$(2, 0)$

x_1

$y_2 = \text{ReLU}(x_2)$

$y_1 = \text{ReLU}(x_1)$

y_2

$(0, 2, 2)$

$(0, 0, -2)$

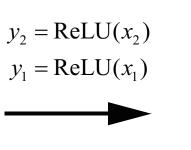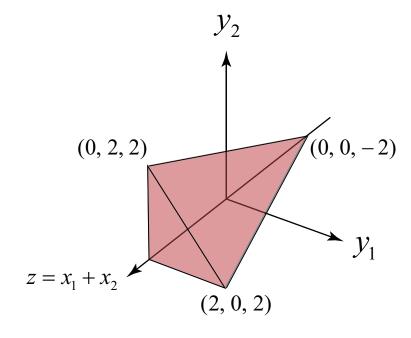y_1

$z = x_1 + x_2$

$(2, 0, 2)$

$\mathcal{P} = \{-2 \le x_1 + x_2 \le 2, -2 \le x_2 - x_1 \le 2\}$

$\mathcal{C} = \{y_1 + y_2 \le 0.5(x_1 + x_2) + 2, ...\}$