

$$\begin{array}{llllll}
 \text{Max} & 11 & x_1 & + & 78 & x_2 \\
 & & x_1 & + & -8 & x_2 \leq 3 \\
 & & x_1 & + & -6 & x_2 \leq 5 \\
 & & x_1 & + & -3 & x_2 \geq -4 \\
 & & x_1, x_2 \geq 0 & & &
 \end{array}$$