

$$\begin{array}{llllll}
 \text{Max} & -2 & x_1 & + & -12 & x_2 & \\
 & & x_1 & + & -8 & x_2 & \leq 3 \\
 & & x_1 & + & -4 & x_2 & \leq 5 \\
 & & x_1 & + & 1 & x_2 & \geq 2 \\
 & & x_1, x_2 & \geq 0 & & &
 \end{array}$$