



$$\max 40x_1 + 50x_2$$

$$10x_1 + 10x_2 \leq 8000$$

$$10x_1 + 30x_2 \leq 18000$$

$$20x_1 + 10x_2 \leq 14000$$

$$x^{(3)} = \begin{pmatrix} 300 \\ 500 \end{pmatrix}$$

$$z(x^{(3)}) = 37000$$