

① $X_1 = \text{Empresa}$ $X_2 = \text{Particulares}$

$$\text{Maximizar } 286X_1 + 179X_2$$

$$2X_1 - X_2 \geq 0$$

$$X_1 + X_2 \leq 90$$

$$X_1 \leq 20$$

$$X_1, X_2 \geq 0$$

② $X_1 = \text{Producto 1}$ $X_2 = \text{Producto 2}$

$$\text{Maximizar } 8000X_1 + 700X_2$$

$$300X_1 - 500X_2 = 0$$

$$356X_1 - 500X_2 = 0$$

$$500X_1 - 500X_2 = 0$$

$$X_1, X_2 \geq 0$$

