

$$\begin{array}{ll}
 \max_{0 \leq x_i \leq 1, b} & \sum_{i=1}^3 x_i (s_i - c_i) \\
 \text{s.t.} & \sum_i x_i c_i \leq 3000000 \\
 & b_i \in \{0, 1\} \quad \forall i \\
 & b_1 + b_2 \leq 1 \\
 & x_i \leq b_i M
 \end{array}$$

$$b = 0$$

$$x_1 (s_1 - c_1) + 0 (s_2 - c_2) + x_3 (s_3 - c_3)$$

$$b = 1$$

$$0 (s_1 - c_1) + x_2 (s_2 - c_2) + x_3 (s_3 - c_3)$$