

Example (H.W.)

Find the optimal solution of the following problem by Simplex method:

$$\text{Max } Z = 7x_1 + 6x_2$$

Subject to:

$$4x_1 + 3x_2 \leq 240$$

$$9x_1 + 5x_2 \leq 100$$

$$6x_1 + 8x_2 \leq 80$$

$$x_1, x_2 \geq 0$$