

# Simplex method

- Example (All constraints are  $\leq$ )

Solve the following problem using the simplex method

- **Maximize**

$$Z = 3X_1 + 5X_2$$

**Subject to**

$$X_1 \leq 4$$

$$2X_2 \leq 12$$

$$3X_1 + 2X_2 \leq 18$$

$$X_1, X_2 \geq 0$$

# Linear Programming Problems And Solutions Simplex Method

**Peipei Pang**



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