

$$\min \quad p = 2y_1 + 5y_2$$

$$s.t. \quad 6y_1 + 3y_2 \geq 6$$

$$-3y_1 + 4y_2 \geq 3$$

$$y_1 + y_2 \geq 0$$

$$y_1 \leq 0$$

$$y_2 \leq 0$$

$$\min \quad p = 5y_1 + 6y_2$$

$$s.t. \quad 2y_1 + 3y_2 = 1$$

$$y_1 - y_2 = 1$$

$$y_1 \text{ unrestricted}, y_2 \text{ unrestricted}$$

$$\min \quad -3y_1 + 4y_2 + 6y_3$$

$$s.t. \quad -y_1 - y_2 + y_3 \geq -1$$

$$-2y_1 + 2y_2 + 7y_3 \geq -1$$

$$y_1, y_2, y_3 \geq 0$$