

$$\text{Min } Z = X_1 + 1.8X_2 + 1.6X_3 + 0.8X_4 + 1.4X_5$$

$$\text{C.S.R. } -6X_1 - 12X_2 - 10X_3 - 4X_4 - 8X_5 + 20 \leq 0$$

PRIMERA ITERACIÓN

$$-6(0) - 12(0) - 10(0) - 4(0) - 8(0) + 20 \leq 0$$

$$20 \leq 0$$

Infactibilidad = 20

$$-6(1) - 12(0) - 10(0) - 4(0) - 8(0) + 20 \leq 0$$

$$14 \leq 0$$

Infactibilidad = 14

$$-6(0) - 12(1) - 10(0) - 4(0) - 8(0) + 20 \leq 0$$

$$8 \leq 0$$

Infactibilidad = 8

$$-6(0) - 12(0) - 10(1) - 4(0) - 8(0) + 20 \leq 0$$

$$10 \leq 0$$

Infactibilidad = 10

$$-6(0) - 12(0) - 10(0) - 4(1) - 8(0) + 20 \leq 0$$

$$16 \leq 0$$

Infactibilidad = 16

$$-6(0) - 12(0) - 10(0) - 4(0) - 8(1) + 20 \leq 0$$

$$12 \leq 0$$

Infactibilidad 12

## SEGUNDA ITERACIÓN

$$-6(1)-12(1)-10(0)-4(0)-8(0)+20 \leq 0$$

$$2 \leq 0$$

Infactibilidad = 2

$$-6(0)-12(1)-10(1)-4(0)-8(0)+20 \leq 0$$

$$-2 \leq 0$$

Infactibilidad = 0

$$-6(0)-12(1)-10(0)-4(1)-8(0)+20 \leq 0$$

$$4 \leq 0$$

Infactibilidad = 4

$$-6(0)-12(1)-10(0)-4(0)-8(1)+20 \leq 0$$

$$0 \leq 0$$

Infactibilidad = 0

## SUSTITUIMOS

$$\text{Min } Z = X_1 + 1.8X_2 + 1.6X_3 + 0.8X_4 + 1.4X_5$$

$$\text{Min } Z = 1(0) + 1.8(1) + 1.6(1) + 0.8(0) + 1.4(0)$$

$$\text{Min } Z = 3.4$$

$$\text{Min } Z = 1(0) + 1.8(1) + 1.6(0) + 0.8(0) + 1.4(1)$$

$$\text{Min } Z = 3.2$$