**ITEC451**

**Activity 4 - Solution**

max z = 3000x1 + 5000x2

s.t. x1 + x2≤7 (# of cables Constraint)

4x1 + 10x2≤40 (labor Constraint)

10x1 ≥30 (company regulation Constraint)

x1≥0, x2≥0