**ITEC451**

**Activity 12 - 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