## ITEC451 Activity 11 - Solution

 $\max z = 3000x_1 + 5000x_2$ 

s.t.  $x_1 + x_2 \le 7$  (# of cables Constraint)

 $4x_1 + 10x_2 \le 40$  (labor Constraint)

 $10x_1 \ge 30$  (company regulation Constraint)

 $x_1 \ge 0$ ,  $x_2 \ge 0$