**CS 451**

**Activity 12 - Solution**

max z = 5000x1 + 3000x2

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

10x1 + 4x2≤40 (labor Constraint)

10x2 ≥30 (company regulation Constraint)

x1≥0, x2≥0