```
max z =  5000x₁ ₊ 3000x₂
```

$$\max z = 5000x_1 + 3000x_2$$

```
    s.t.        x₁ + x₂≤7          (# of cables Constraint)
              10x₁ + 4x₂≤40        (labor Constraint)
              10x₂ ≥30             (company regulation Constraint)
               x₁≥0,  x₂≥0
```