## Assignment 2

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## library(lpSolve)

#coefficients of the objective function

```
f.obj \leftarrow c(420,360,300,420,360,300,420,360,300)
```

#matrix corresponding to coefficients of constraints by rows # Do not consider the non-negative constraint; it is automatically assumed

#Directional signs

#right hand side coefficients

## Final value

```
lp("max", f.obj, f.con, f.dir, f.rhs)
## Success: the objective function is 696000
```

## Variables final values

```
lp("max", f.obj, f.con, f.dir, f.rhs)$solution

## [1] 516.6667 177.7778 0.0000 0.0000 666.6667 166.6667 0.0000 0.0000
## [9] 416.6667
```