sjain15_Assignment 2

Sargam Jain

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#Load the "lpSolveAPI" packages.

```
library(lpSolve)
```

#Setting working directory

```
setwd("~/Desktop/QMM")
```

#Set the objective function for the problem.

```
f.obj <- c(420,420,420,360,360,360,300,300)
```

#writing the contraints

#Setting inequaliy direction signs

#Setting right hand coefficients

```
f.rhs <- c(750,900,450,13000,12000,5000,900,1200,750)

#Final value

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

## Success: the objective function is 754000

#Variable final values

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

## [1] 83.33333 666.66667 0.00000 0.00000 400.00000 500.00000 0.00000
## [8] 133.33333 250.00000</pre>
```