

QMM Assignment 6

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```
library(lpSolve)
```

```
## Warning: package 'lpSolve' was built under R version 4.1.3
```

```
library(lpSolveAPI)
```

```
## Warning: package 'lpSolveAPI' was built under R version 4.1.3
```

```
x<- read.lp("/Users/Hanish Bhogadi/Downloads/ap.lp")
x
```

```
## Model name:
##           x1  x2  x3  x4  x5  x6  x7
## Minimize  775 800 800 800 800 775 750
## Sunday    0   1   1   1   1   1   0 >= 18
## Monday    0   0   1   1   1   1   1 >= 27
## Tuesday   1   0   0   1   1   1   1 >= 22
## Wednesday 1   1   0   0   1   1   1 >= 26
## Thursday  1   1   1   0   0   1   1 >= 25
## Friday    1   1   1   1   0   0   1 >= 21
## Saturday  1   1   1   1   1   0   0 >= 19
## Kind      Std Std Std Std Std Std Std
## Type      Int Int Int Int Int Int Int
## Upper     Inf Inf Inf Inf Inf Inf Inf
## Lower      0   0   0   0   0   0   0
```

```
solve(x)
```

```
## [1] 0
```

```
get.objective(x)
```

```
## [1] 25675
```

The total cost of the minimal wage expense is \$25,675.

