

Quant Mgmt Assignment 6

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Refer to the LP file

```
library(lpSolveAPI)
x <- read.lp("mchris26.lp")
```

```
solve(x)
```

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

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

```
## [1] 132790
```

```
get.variables(x)
```

```
## [1] 0 60 40 80 0 30
```

```
get.constraints(x)
```

```
## [1] 100 110 80 60 70
```

```
get.sensitivity.objex(x)
```

```
## $objfrom
## [1] -1.00e+30 -1.00e+30 6.18e+02 -1.00e+30 6.33e+02 6.49e+02
##
## $objtill
## [1] 6.22e+02 6.26e+02 6.30e+02 6.41e+02 1.00e+30 6.61e+02
##
## $objfromvalue
## [1] 4e+01 -1e+30 -1e+30 -1e+30 3e+01 -1e+30
##
## $objtillvalue
## [1] NA NA NA NA NA NA
```

```
get.sensitivity.rhs(x)
```

```
## $duals
## [1] -19  0 641 633 649  0  0  0  0 12  0
##
## $dualsfrom
## [1] 9e+01 -1e+30 0e+00 3e+01 4e+01 -3e+01 -1e+30 -1e+30 -1e+30 -4e+01
## [11] -1e+30
##
## $dualstill
## [1] 1.3e+02 1.0e+30 9.0e+01 7.0e+01 8.0e+01 4.0e+01 1.0e+30 1.0e+30 1.0e+30
## [10] 3.0e+01 1.0e+30
```