

QMM bpalazzo_9

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```
library(lpSolveAPI)
```

```
data <- read.lp("bpalazzo_9.lp")
```

```
data
```

```
## Model name:
```

##	p	y1p	y1m	y2m	x1	x2	x3	y2p	
## Maximize	1	-6	-6	-3	0	0	0	0	
## R1	-1	0	0	0	20	15	25	0	= 0
## R2	0	-1	1	0	6	4	5	0	= 50
## R3	0	0	0	1	8	7	5	-1	= 75
## Kind	Std	Std	Std	Std	Std	Std	Std	Std	
## Type	Real	Real	Real	Real	Real	Real	Real	Real	
## Upper	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf	
## Lower	0	0	0	0	0	0	0	0	

```
solve(data)
```

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

```
get.objective(data)
```

```
## [1] 225
```

```
get.variables(data)
```

```
## [1] 375 25 0 0 0 0 15 0
```

Employment Level Goal Penalties: +6, -6 Next Year Earnings Goal Penalties: -3

p: 375 y1p: 25 y1m: 0 y2m: 0 x1: 0 x2: 0 x3: 15 y2p: 0

z: 225