

Module 6

Jacob Fabian

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```
library(lpSolve)

costs <- matrix(c(622, 614, 630,
                  641, 645, 649 ), nrow = 2, byrow = TRUE)

colnames(costs) <- c("warehouse1", "warehouse2", "warehouse3")
rownames(costs) <- c("plantA", "plantB")

row.signs <- rep("<=", 2)
row.rhs <- c(100,120)

col.signs <- rep(">=", 3)
col.rhs <- c(80,60,70)

lp.transport(costs, "min", row.signs, row.rhs, col.signs, col.rhs)

## Success: the objective function is 132790

lp.transport(costs, "min", row.signs, row.rhs, col.signs, col.rhs)$solution

##      [,1] [,2] [,3]
## [1,]    0  60  40
## [2,]   80    0  30
```