

Assignment Problem OR.R

```
1 # Assignment Problem
2 # JOB1 JOB2 JOB3
3 #w1 15 10 9
4 #w2 9 15 10
5 #w3 10 12 8
6 # Import lpSolve package
7 library(lpSolve)
8 # Set assignment costs matrix
9 costs <- matrix(c(15, 10, 9, 9, 15, 10, 10, 12 ,8), nrow = 3, byrow = TRUE)
10 # Print assignment costs matrix
11 costs
12 # Final value (z)
13 lp.assign(costs)
14 # variables final values
15 lp.assign(costs)$solution
16
```

16:1 (Top Level) ↕

R Script ↕

Console Terminal x Jobs x

R 4.0.5 · ~/

```
> library(lpSolve)
> # Set assignment costs matrix
> costs <- matrix(c(15, 10, 9, 9, 15, 10, 10, 12 ,8), nrow = 3, byrow = TRUE)
> # Print assignment costs matrix
> costs
      [,1] [,2] [,3]
[1,]  15   10   9
[2,]   9   15  10
[3,]  10   12   8
> # Final value (z)
> lp.assign(costs)
success: the objective function is 27
> # variables final values
> lp.assign(costs)$solution
      [,1] [,2] [,3]
[1,]   0   1   0
[2,]   1   0   0
[3,]   0   0   1
> |
```