Lecture2 Tutorial Exercises

Xiang Li

2023/11/1

Exercise 2.3.25

```r
A = matrix(c(12, 2, 21, 3, 10, 2), nrow = 3, ncol = 2)
B = matrix(c(21, 18, 20, 14, 10, 13), nrow = 2, ncol = 3)
A %*% B # (3, 2) means the total cost of product hoods by Plan2
```

```
##      [,1] [,2] [,3]
## [1,]  306  282  159
## [2,]  222  180  150
## [3,]  477  448  236
```

```r
which.min(colSums(A %*% B)) # Plan3 is the most economical
```

```
## [1] 3
```