

# RWorksheet\_sayson#4b.Rmd

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```
#1.
vectorA <- c(1, 2, 3, 4, 5)
matrix5x5 <- matrix(0, nrow = 5, ncol = 5)

for(i in 1:5) {
  for(j in 1:5) {
    matrix5x5[i, j] <- abs(vectorA[j] - i)
  }
}
print(matrix5x5)
```

```
##      [,1] [,2] [,3] [,4] [,5]
## [1,]    0    1    2    3    4
## [2,]    1    0    1    2    3
## [3,]    2    1    0    1    2
## [4,]    3    2    1    0    1
## [5,]    4    3    2    1    0
```

```
#2.
n <- 5 # number of rows

for(i in 1) {
  cat(rep("*", i), "\n")
}
```

```
## *
```