

Symmetric Matrix From Half-Vectorization

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```
library(linearAlgebra)

A <- matrix(c("a", "b", "b", "c"), ncol = 2)
A
##      [,1] [,2]
## [1,] "a"  "b"
## [2,] "b"  "c"

vech_i <- c("a", "b", "c")
vechs_i <- "b"
diags_i <- c("a", "c")
```

Symmetric Matrix From Half-Vectorization

From Half-Vectorization

```
sym_of_vech(vech_i)
##      [,1] [,2]
## [1,] "a"  "b"
## [2,] "b"  "c"
```

Symmetric Matrix From Strict Half-Vectorization

```
sym_of_vechs(vechs_i, diags = diags_i)
##      [,1] [,2]
## [1,] "a"  "b"
## [2,] "b"  "c"
```