

# Diagonal Elements 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")
```

## Elements

```
diag_of_vech(vech_i)
## [1] "a" "c"
```

## Index

```
diag_of_vech(vech_i, loc = TRUE)
## [1] 1 3
```