

# 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"

vechA <- c("a", "b", "c")
vechsA <- "b"
diagsA <- c("a", "c")
```

## Elements

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

## Index

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