

e() — Unit vectors

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## Syntax

*real rowvector* `e(real scalar i, real scalar n)`

## Description

`e(i, n)` returns a  $1 \times n$  unit vector, a vector with all elements equal to zero except for the *i*th, which is set to one.

## Conformability

`e(i, n)`:

<i>i</i> :	$1 \times 1$
<i>n</i> :	$1 \times 1$
<i>result</i> :	$1 \times n$

## Diagnostics

`e(i, n)` aborts with error if  $n < 1$  or if  $i < 1$  or if  $i > n$ . Arguments *i* and *n* are interpreted as `trunc(i)` and `trunc(n)`.

## Also see

[M-4] [standard](#) — Functions to create standard matrices