

## Description

`comb(n, k)` returns the elementwise combinatorial function *n*-choose-*k*, the number of ways to choose *k* items from *n* items, regardless of order.

## Syntax

*real matrix* `comb(real matrix n, real matrix k)`

## Conformability

`comb(n, k)`:

<i>n</i> :	$r_1 \times c_1$
<i>k</i> :	$r_2 \times c_2$ , <i>n</i> and <i>k</i> r-conformable
<i>result</i> :	$\max(r_1, r_2) \times \max(c_1, c_2)$

## Diagnostics

`comb(n, k)` returns missing when either argument is missing or when the result would be larger than  $10^{300}$ .

## Also see

[\[M-4\] Statistical](#) — Statistical functions

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