

comb() — Combinatorial function[Description](#)[Syntax](#)[Conformability](#)[Diagnostics](#)[Also see](#)

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> :	$r_2 \times c_2$, n and k 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