Title

comb( ) — Combinatorial function

Syntax Description Conformability Diagnostics Also see

Syntax

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

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.

Conformability

`comb(`*n*`,` *k*`)`:

n:	$r_1 \times c_1$
k:	$r_2 \times c_2$, *n* and *k* r-conformable
result:	$\max(r_1,r_2) \times \max(c_1,c_2)$

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