

Description

`uniqrows(P)` returns a sorted matrix containing the unique rows of P .

`uniqrows(P , $freq$)` does the same but lets you specify whether the frequencies with which each combination occurs should be calculated. Using `uniqrows(P , 0)` is the same as using `uniqrows(P)`. `uniqrows(P , 1)` specifies that the frequencies with which each combination occurs should be calculated.

Syntax

transmorphic matrix `uniqrows(transmorphic matrix P)`

transmorphic matrix `uniqrows(transmorphic matrix P , $freq$)`

where

$freq = 0$ (frequencies are not calculated) or
 1 (frequencies are calculated)

Remarks and examples

: x

	1	2	3
1	4	5	7
2	4	5	6
3	1	2	3
4	4	5	6

: `uniqrows(x)`

	1	2	3
1	1	2	3
2	4	5	6
3	4	5	7

: `uniqrows(x, 1)`

	1	2	3	
1	1	2	3	1
2	4	5	6	2
3	4	5	7	1

Conformability

`uniqrows(P, 0)`:

P: $r_1 \times c_1$
result: $r_2 \times c_1$, $r_2 \leq r_1$

`uniqrows(P, 1)`:

P: $r_1 \times c_1$
result: $r_2 \times c_1 + 1$, $r_2 \leq r_1$

Diagnostics

In `uniqrows(P)`, if `rows(P)==0`, `J(0, cols(P), missingof(P))` is returned.

If `rows(P)>0` and `cols(P)==0`, `J(1, 0, missingof(P))` is returned.

Also see

[M-5] `sort()` — Reorder rows of matrix

[M-4] **Manipulation** — Matrix manipulation

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