uniqrows() — Obtain sorted, unique values

Description Syntax Remarks and examples Conformability Diagnostics Also see

Description

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

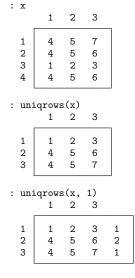
uniqrows (P, freq) does the same but lets you specify whether the frequencies with which each combination occurs should be calculated. Using uniqrows (P, 0) is the same as using uniqrows (P). uniqrows (P, 1) specifies that the frequencies with which each combination occurs should be calculated.

Syntax

where

```
transmorphic matrix uniqrows(transmorphic matrix P)
transmorphic matrix uniqrows(transmorphic matrix P, freq)
freq = 0 (frequencies are not calculated) or
1 (frequencies are calculated)
```

Remarks and examples



Conformability

```
uniqrows (P, 0):
                        \begin{array}{ll} P: & r_1 \times c_1 \\ \textit{result:} & r_2 \times c_1, \ r_2 \leq r_1 \end{array}
uniqrows (P, 1):
                       \begin{array}{ll} P\colon & r_1\times c_1\\ \textit{result}\colon & r_2\times c_1+1, \ r_2\leq r_1 \end{array}
```

Diagnostics

In unigrows (P), if rows (P)==0, J(0, cols(P), missing of(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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