

MATRIX NUMBER OF COLUMNS**PURPOSE**

Compute the number of columns in a matrix.

SYNTAX

LET <par> = MATRIX NUMBER OF COLUMNS <mat>
where <mat> is a matrix;
and <par> is a parameter where the resulting number of columns is saved.

EXAMPLES

LET C = MATRIX NUMBER OF COLUMNS A

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

MATRIX NUMBER OF ROWS	=	Compute the number of rows in a matrix.
MATRIX DEFINITION	=	Set a matrix definition.
MATRIX ELEMENT	=	Extract an element of a matrix.
MATRIX SUBMATRIX	=	Define a matrix submatrix.

APPLICATIONS

Linear Algebra

IMPLEMENTATION DATE

87/10

PROGRAM

```
READ MATRIX C
-99 -99
1 0
0 1
-1 0
END OF DATA
LET ACOL = MATRIX NUMBER OF COLUMNS C
PRINT ACOL
```

A value of 2 will be returned for the number of columns.