Matrix LET Subcommands

Matrix Number of Rows

PURPOSE
Compute the number of rows in a matrix.

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

EXAMPLES
LET C = MATRIX NUMBER OF ROWS A

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
MATRIX NUMBER OF COLUMNS = Compute the number of columns 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 AROW = MATRIX NUMBER OF ROWS C
PRINT AROW

A value of 4 will be returned for the number of rows.