MINIMUM

PURPOSE

Compute the minimum value in a variable.

SYNTAX

LET <par> = MINIMUM <y> <SUBSET/EXCEPT/FOR qualification>

where <y> is the variable for which the minimum is to be computed;
<par> is a parameter where the minimum value is saved;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES

LET A1 = MINIMUM Y1
LET A1 = MINIMUM Y1 SUBSET Y1 > 0

NOTE

The distinction between this command and the MIN library function is that the MINIMUM command computes the minimum value of a single variable while the MIN function computes the minimum of a pair of numbers. If the arguments to the MIN library function are variables, it returns a variable containing the pairwise minimums.

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

MAXIMUM = Compute the maximum of a variable.
MINIMUM PLOT = Generate a minimum versus subset plot.
LOWER QUARTILE = Compute the lower quartile of a variable.
UPPER QUARTILE = Compute the upper quartile of a variable.
DECILE = Compute the decile of a variable.
MEAN = Compute the mean of a variable.
STANDARD DEVIATION = Compute the standard deviation of a variable.
MIN = Library function to compute the minimum of 2 numbers.

APPLICATIONS

Data Analysis

IMPLEMENTATION DATE

Pre-1987

PROGRAM

LET Y1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100
LET A = MINIMUM Y1