

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
```