RANGE

PURPOSE
Compute the range of a variable.

DESCRIPTION
The range is the difference between the largest and smallest value.

SYNTAX
LET <par> = RANGE <y> <SUBSET/EXCEPT/FOR qualification>
where <y> is the variable for which the range is to be computed;
<par> is a parameter where the computed range is saved;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
LET A = RANGE Y1
LET A = RANGE Y1 SUBSET TAG > 2

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
- RANGE PLOT = Generate a range versus subset plot.
- R CONTROL CHART = Generate a range control chart.
- MEAN = Compute the mean of a variable.
- STANDARD DEVIATION = Compute the standard deviation of a variable.

APPLICATIONS
Exploratory Data Analysis

IMPLEMENTATION DATE
Pre-1987

PROGRAM
LET X1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100
LET A = RANGE Y1