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