EXTREME

PURPOSE
Compute the most extreme value in a variable.

DESCRIPTION
The most extreme value is the one with the largest absolute value. However, the sign is preserved.

SYNTAX
LET <par> = EXTREME <y>   <SUBSET/EXCEPT/FOR qualification>

where <y> is the variable for which the extreme is to be computed;

  <par> is a parameter where the extreme value is saved;

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
LET A1 = EXTREME Y1

LET A1 = EXTREME Y1 SUBSET TAG > 2

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS

EXTREME PLOT	=	Generate an extreme versus subset plot.
MINIMUM	=	Compute the minimum of a variable.
MAXIMUM	=	Compute the maximum of a variable.
LOWER QUARTILE	=	Compute the lower quartile of a variable.
UPPER QUARTILE	=	Compute the upper quartile of a variable.
MEAN	=	Compute the sample mean of a variable.
STANDARD DEVIATION	=	Compute the sample standard deviation of a variable.

APPLICATIONS
Exploratory Data Analysis

IMPLEMENTATION DATE
90/4

PROGRAM
LET Y1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100

LET A = EXTREME Y1