FLOOR

PURPOSE
Return the integer portion of a number or variable rounded to negative infinity (i.e., the step function).

SYNTAX
LET <y2> = FLOOR(<y1>) <SUBSET/EXCEPT/FOR qualification>
where <y1> is a variable or a parameter;
<y2> is a variable or a parameter (depending on what <y1> is) where the computed integer values are stored;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
LET A = FLOOR(2.83)
LET A = FLOOR(A1)

DEFAULT
None

SYNONYMS
STEP

RELATED COMMANDS
CEIL = Compute the integer value rounded to positive infinity.
INT = Compute the integer value rounded to zero.
SIGN = Compute the sign of a number.
FRACT = Compute the fractional portion of number.
MSD = Compute the most significant digit of a number.
ROUND = Round to the closest integer of a number.

APPLICATIONS
Elementary function

IMPLEMENTATION DATE
95/4
PROGRAM
TITLE AUTOMATIC
PLOT FLOOR(X) FOR X = -5 .01 5

PLOT FLOOR(X) FOR X = -5 0.01 5