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