<=

PURPOSE
A mathematical symbol denoting “less than or equal to” which serves 2 separate functions:

1. In conjunction with the SUBSET, EXCEPT, and FOR, it is optionally included after the SUBSET, EXCEPT, and FOR keywords. For example,

   PLOT Y X SUBSET MONTH <= 6

2. It is used as a logical operator for the IF command to test for less than or equal to. For example,

   IF A<= 2
   LET B = 100
   END OF IF

SYNTAX
None

EXAMPLES
PLOT Y X SUBSET Y <= 1000
BOX PLOT Y LAB SUBSET LAB <= 5
FIT Y = A+B*LOG(C+X) EXCEPT X <= 0
LET A MEAN Y SUBSET Y <= 100
IF A <= B

NOTE
Due to floating point roundoff, it is often better to code something like

   PLOT Y X SUBSET MONTH <= 6

as

   PLOT Y X SUBSET MONTH <= 6.1

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS

= = A keyword denoting equality.
<> = A keyword denoting inequality.
< = A keyword denoting less than.
> = A keyword denoting greater than.
>= = A keyword denoting greater than or equal to.

APPLICATIONS
Data subsetting

IMPLEMENTATION DATE
Pre-1987

PROGRAM
LET X = SEQUENCE 1 1 10
LET Y = X**2
PRINT X Y SUBSET Y <= 60