

<=

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
```