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## PURPOSE

A mathematical symbol denoting “less than” 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 X < 6.5
```

2. It is used as a logical operator for the IF command to test for less than. 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
```

## DEFAULT

None

## SYNONYMS

None

## RELATED COMMANDS

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

```
PLOT Y X SUBSET Y < 60
```