FRACT

PURPOSE

Return the fractional part of a number.

SYNTAX

LET <y2> = FRACT(<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 fractional values are stored;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES

LET A = FRACT(14.284)
LET X2 = FRACT(X1)
LET X2 = FRACT(X1-4)

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

SIGN	=	Compute the sign of a number.
INT	=	Compute the integer portion of a number.
MSD	=	Compute the most significant digit of a number.
ROUND	=	Round to the closest integer of a number.

APPLICATIONS

Data transformation

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
LET Y1 = SEQUENCE 0 0.1 10.0
LET Y2 = FRACT(Y1)
SET WRITE DECIMALS 2; PRINT Y1 Y2
```

The first few lines of output are given here.

```
0.00        0.00
0.10        0.10
0.20        0.20
0.30        0.30
0.40        0.40
0.50        0.50
0.60        0.60
0.70        0.70
0.80        0.80
0.90        0.90
1.00        0.00
1.10        0.10
1.20        0.20
1.30        0.30
```