MOD

PURPOSE
Computes the mod function of a number.

DESCRIPTION
The mod function returns the remainder of the first number divided by the second number.

SYNTAX
LET <y3> = MOD(<y1>,<y2>)   <SUBSET/EXCEPT/FOR qualification>

where <y1> is a decimal number, parameter, or variable;

<y2> is a decimal number, parameter, or variable;

<y3> is a variable or a parameter (depending on what <y1> and <y2> are) where the computed mod function values are stored;

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
LET A = MOD(14,10)
LET X2 = MOD(X1,X4)
LET X2 = MOD(X1-4,X2+6)

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
INT	=	Compute the integer portion of number.
FRACT	=	Compute the fractional portion of number.

APPLICATIONS
Data transformation

IMPLEMENTATION DATE
Pre-1987

PROGRAM
LET Y1 = DATA 10 12 34 54 23 12 5 4 6
LET Y2 = MOD(Y1,3)
SET WRITE DECIMALS 0; PRINT Y1 Y2

The following output is generated.

```
10          1
12          0
34          1
54          0
23          2
12          0
 5          2
 4          1
 6          0
```