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.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>34</td>
<td>1</td>
</tr>
<tr>
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<td>2</td>
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<tr>
<td>12</td>
<td>0</td>
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<tr>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>0</td>
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