DECOCT

PURPOSE

Perform a decimal to octal conversion of a number.

SYNTAX

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

EXAMPLES

LET A = DECOCT(14)
LET X2 = DECOCT(X1)

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

OCTDEC = Perform an octal to decimal conversion of a number.

APPLICATIONS

Base conversion

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
LET Y1 = SEQUENCE 0 1 20
LET Y2 = DECOCT(Y1)
SET WRITE DECIMALS 0; PRINT Y1 Y2
```

The following output is generated.

```
     0      0
     1      1
     2      2
     3      3
     4      4
     5      5
     6      6
     7      7
     8     10
     9     11
    10     12
    11     13
    12     14
    13     15
    14     16
    15     17
    16     20
    17     21
    18     22
    19     23
    20     24
```