

ROUND**PURPOSE**

Compute the rounded value of a number to a user specified number of decimal places.

SYNTAX

LET <y2> = ROUND(<y1>,<n>) <SUBSET/EXCEPT/FOR qualification>

where <y1> is a variable or a parameter containing decimal number(s) to be rounded;

<n> is a number or parameter that specifies the number of decimal places to use for the rounding;

<y2> is a variable or a parameter (depending on what <y1> is) where the computed rounded values are stored; and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES

LET A = ROUND(14.2835,1)

LET A = ROUND(A1,2)

LET X2 = ROUND(X1,1)

LET X2 = ROUND(X1-4,2)

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

INT	=	Compute the integer portion of number.
FRACT	=	Compute the fractional portion of number.
MOD	=	Compute the modulo function.

APPLICATIONS

Data transformation

IMPLEMENTATION DATE

87/10

PROGRAM

LET Y1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100

LET Y2 = ROUND(Y1,1)

SET WRITE DECIMALS 1; PRINT Y1 Y2 FOR I = 1 1 15

The following output is generated.

-1.1	-1.0
0.6	1.0
-0.9	-1.0
0.2	0.0
-0.5	0.0
-0.5	-1.0
-0.7	-1.0
0.0	0.0
1.2	1.0
0.3	0.0
-0.1	0.0
-0.2	0.0
-0.2	0.0
-0.8	-1.0
-0.1	0.0