EXP

PURPOSE

Compute the exponential function of x, that is \( e^x \).

SYNTAX

LET <y2> = EXP(<y1>) <SUBSET/EXCEPT/FOR qualification>

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

EXAMPLES

LET A = EXP(14)
LET X2 = EXP(X1)
LET X2 = EXP(X1-4)

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

SQRT = Compute the square root of a number.
LN = Compute the natural logarithm of a number.
LOG = Compute the base 10 logarithm of a number.

APPLICATIONS

Data transformation

IMPLEMENTATION DATE

Pre-1987
PROGRAM
TITLE AUTOMATIC
PLOT EXP(X) FOR X = -3 .01 2.9