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