

**ABS****PURPOSE**

Compute the absolute value for a variable or parameter.

**SYNTAX**

LET <y2> = ABS(<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 absolute value is stored;

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

**EXAMPLES**

LET A = ABS(-2)

LET A = ABS(A1)

LET X2 = ABS(X1-4)

**DEFAULT**

None

**SYNONYMS**

None

**RELATED COMMANDS**

|     |   |                                                 |
|-----|---|-------------------------------------------------|
| MOD | = | Compute the modulo function.                    |
| MIN | = | Compute the minimum of two numbers.             |
| MAX | = | Compute the maximum of two numbers.             |
| DIM | = | Compute the positive difference of two numbers. |
| IND | = | Compute the mathematical indicator function.    |

**APPLICATION**

Data transformations

**IMPLEMENTATION DATE**

Pre-1987

PROGRAM

TITLE AUTOMATIC

PLOT ABS(X) FOR X = -5 1 5

