

the argument is less than or equal to 0.

Example: $X = \text{LOG}(10)$

EXP (formula)

[Extended] Returns e^{formula} , where e is the Euler number 2.71828...

Example: $X = \text{EXP}(Y + Z)$

COS (formula)

SIN (formula)

TAN (formula)

[Extended] Returns the cosine, sine or tangent of the value given in radians by formula.

Example: $X = \text{SIN}(1 - Y^2)$

ATN (formula)

[Extended] Returns the arctangent in radians in the range $-\pi/2$ to $\pi/2$ of the value of formula.

Example: $X = \text{ATN}(I + J)$

INT (formula)

[Extended] Returns the integer part of the formula.

Example: $I\% = 2 * \text{INT}(X)$

RND

[Integer] Returns a pseudorandom number between 0 and 32767. The formula $X + \text{RND MOD}(Y - X + 1)$ returns a pseudorandom number between X and Y .

Examples: $X = \text{RND}$

$X = 1 + \text{RND MOD } 10$

RND (formula)

[Extended] Returns a pseudorandom number between 0 and the value of the given formula. $\text{RND}(0)$ returns a pseudorandom number between 0 and 1.

Example: $X = \text{RND}(1)$

FRE

Returns the amount of free memory in bytes.

Example: $\text{PRINT UNS}(\text{FRE})$

UNS (formula)

[Extended] Returns the value of the formula, considered as an unsigned 16-bit integer representation. [Integer] May be used only in PRINT commands.

Example: $\text{PRINT UNS}(-1)$

FN [variable] (formula, ...)

Evaluates the referenced user-defined function. The number of parameters (formula, ...) must agree with the number in the DEFINITION.

Example: $X = \text{FNA}(45)$

RESET (formula1, formula2)

SET (formula1, formula2)

TEST (formula1, formula2)

RESET and SET set the bit specified by formula2 to zero or one in integer formula1. TEST returns the value of the bit specified by formula2 in formula1.

Examples: $X = \text{SET}(Y, 0)$

$X = \text{RESET}(X, 5)$