

Logical functions (reference)

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To get detailed information about a function, click its name in the first column.

Function	Description
AND function	Returns TRUE if all of its arguments are TRUE
BYCOL function Microsoft 365	Applies a LAMBDA to each column and returns an array of the results
BYROW function Microsoft 365	Applies a LAMBDA to each row and returns an array of the results
FALSE function	Returns the logical value FALSE
IF function	Specifies a logical test to perform
IFERROR function	Returns a value you specify if a formula evaluates to an error; otherwise, returns the result of the formula
IFNA function	Returns the value you specify if the expression resolves to #N/A, otherwise returns the result of the expression
IFS function	Checks whether one or more conditions are met and returns a value that corresponds to the first TRUE condition.
LAMBDA function Microsoft 365	Create custom, reusable functions and call them by a friendly name
LET function Microsoft 365	Assigns names to calculation results
MAKEARRAY function Microsoft 365	Returns a calculated array of a specified row and column size, by applying a LAMBDA
MAP function Microsoft 365	Returns an array formed by mapping each value in the array(s) to a new value by applying a LAMBDA to create a new value
NOT function	Reverses the logic of its argument

Function	Description
OR function	Returns TRUE if any argument is TRUE
REDUCE function Microsoft 365	Reduces an array to an accumulated value by applying a LAMBDA to each value and returning the total value in the accumulator
SCAN function Microsoft 365	Scans an array by applying a LAMBDA to each value and returns an array that has each intermediate value
SWITCH function	Evaluates an expression against a list of values and returns the result corresponding to the first matching value. If there is no match, an optional default value may be returned.
TRUE function	Returns the logical value TRUE
XOR function	Returns a logical exclusive OR of all arguments

Important: The calculated results of formulas and some Excel worksheet functions may differ slightly between a Windows PC using x86 or x86-64 architecture and a Windows RT PC using ARM architecture. Learn more about the differences.

See Also

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