

How do I use the BITOR function in Excel?

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The BITOR function in Excel is used to perform a bitwise OR operation on two given numbers. This function is mainly used for manipulating binary numbers and can be useful in various data analysis and calculation tasks. To use the BITOR function, simply enter the function name followed by the two numbers you want to perform the operation on, separated by a comma. The result will be the bitwise OR of the two numbers. This function can be particularly helpful in tasks involving data encryption, error correction, and logic operations. It is important to note that the BITOR function only works with positive integers and may return an error if used with other data types.

This article describes the formula syntax and usage of the **BITOR** function in Microsoft Excel.

Description

Returns a bitwise 'OR' of two numbers.

Syntax

BITOR(number1, number2)

The BITOR function syntax has the following arguments.

Number1 Required. Must be in decimal form and greater than or equal to 0.

Number2 Required. Must be in decimal form and greater than or equal to 0.

Remarks

The result is a bitwise 'OR' of its parameters.

In the result, each bit position is 1 if any of the parameter's bits at that position are 1.

The values returned from the bit positions progress from right to left as powers of 2. The rightmost bit returns 1 (2^0), the bit to the left returns 2 (2^1), and so on.

If either argument is outside their constraints, BITOR returns the #NUM! error value.

If either argument is greater than $(2^{48})-1$, BITOR returns the #NUM! error value.

If either argument is a non-numeric value, BITOR returns the #VALUE! error value.