

OR function in Excel, how to use the OR function, and examples

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Description: The **OR** function is a function that returns the logical value in Excel.

Syntax : **OR (logical 1, [logical 2], .) .**

Inside:

- logical 1, logical 2 are logical values ??(**True** or **False**).
- The function contains up to 255 logical values.
- The function's return value: the function returns **True** if one of the arguments has a **True** value , the function returns **False** when all of the arguments have a **False** value .

Attention:

- The arguments must be a logical value or a reference to an array containing the logical value.
- If one of the function arguments has a text value or a blank cell, these values ??are ignored.
- Where the entire value of the argument is not a logical value, the function returns the **#VALUE** error value .
- The **OR** function can be used in an array formula by pressing **CTRL + SHIFT + ENTER** .

For example:

Calculate the **OR** function value for the following logical values:

	B	C	D	E	F
4		Hàm OR trong excel			
5		logical 1	logical 2	logical 3	OR
6		TRUE	TRUE	TRUE	
7		FALSE	FALSE	FALSE	
8		TRUE	FALSE	TRUE	
9		FALSE	FALSE	TRUE	
10		FALSE	g	TRUE	
11		FALSE		TRUE	
12		g	g	h	

- In the cell to calculate the value of the formula: = **OR** (C6, D6, E6) .

	B	C	D	E	F
4		Hàm OR trong excel			
5		logical 1	logical 2	logical 3	OR
6		TRUE	TRUE	TRUE	=OR(C6,D6,E6)
7		FALSE	FALSE	FALSE	
8		TRUE	FALSE	TRUE	
9		FALSE	FALSE	TRUE	
10		FALSE	g	TRUE	
11		FALSE		TRUE	
12		g	g	h	

Press **the Enter** function results **OR** when all the arguments have value **TRUE** is:

	B	C	D	E	F
4		Hàm OR trong excel			
5		logical 1	logical 2	logical 3	OR
6		TRUE	TRUE	TRUE	TRUE
7		FALSE	FALSE	FALSE	
8		TRUE	FALSE	TRUE	
9		FALSE	FALSE	TRUE	
10		FALSE	g	TRUE	
11		FALSE		TRUE	
12		g	g	h	

- Make a copy of the formula for the remaining values ??-> results:

	B	C	D	E	F
4		Hàm OR trong excel			
5		logical 1	logical 2	logical 3	OR
6		TRUE	TRUE	TRUE	TRUE
7		FALSE	FALSE	FALSE	FALSE
8		TRUE	FALSE	TRUE	TRUE
9		FALSE	FALSE	TRUE	TRUE
10		FALSE	g	TRUE	
11		FALSE		TRUE	
12		g	g	h	

- Where one of the arguments contains a text or a blank cell -> the return value is still a logical value.

	B	C	D	E	F
4		Hàm OR trong excel			
5		logical 1	logical 2	logical 3	OR
6		TRUE	TRUE	TRUE	TRUE
7		FALSE	FALSE	FALSE	FALSE
8		TRUE	FALSE	TRUE	TRUE
9		FALSE	FALSE	TRUE	TRUE
10		FALSE	g	TRUE	TRUE
11		FALSE		TRUE	TRUE
12		g	g	h	
13					

- Where all arguments are text or a blank cell returns the #VALUE error value .

	B	C	D	E	F
4		Hàm OR trong excel			
5		logical 1	logical 2	logical 3	OR
6		TRUE	TRUE	TRUE	TRUE
7		FALSE	FALSE	FALSE	FALSE
8		TRUE	FALSE	TRUE	TRUE
9		FALSE	FALSE	TRUE	TRUE
10		FALSE	g	TRUE	TRUE
11		FALSE		TRUE	TRUE
12		g	g	h	#VALUE!
13					

The above is a detailed guide on usage and common cases of the **OR** function .

Good luck!

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