How can I use an IF function with four conditions in Excel?

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The IF function in Excel allows users to perform logical tests and return different values based on the result of the test. This function can be used with up to four conditions by nesting multiple IF functions within each other. By specifying the conditions and the corresponding values, the IF function can effectively evaluate complex scenarios and produce desired results. This feature is particularly useful for data analysis and decision-making, as it allows for the creation of dynamic formulas that can adapt to different situations. To use the IF function with four conditions, users need to understand its syntax and structure, and carefully define each condition to ensure accurate and efficient execution.

Excel: Use an IF Function with 4 Conditions

You can use the following formulas to create an IF function with 4 conditions in Excel:

Method 1: Nested IF Function

=IF(C2<15,"Bad",IF(C2<20,"OK",IF(C2<25,"Good",IF(C2<30,"Great","Awesome"))))

Method 2: IF Function with AND Logic

=IF(AND(A2="Mavs", B2="Guard", C2>20, D2>4), "Yes", "No")

Method 3: IF Function with OR Logic

=IF(OR(A2="Mavs", B2="Guard", C2>20, D2>4), "Yes", "No")

The following examples show how to use each formula in practice with the following dataset in Excel:

	A	B	C	D	E	F
1	**Team**	**Position**	**Points**	**Assists**		
2	Mavs	Guard	22	5		
3	Mavs	Guard	29	8		
4	Mavs	Forward	32	10		
5	Mavs	Forward	15	4		
6	Mavs	Guard	19	6		
7	Warriors	Forward	22	5		
8	Warriors	Guard	25	8		
9	Warriors	Guard	20	8		
10	Warriors	Forward	19	10		
11	Warriors	Forward	14	2		
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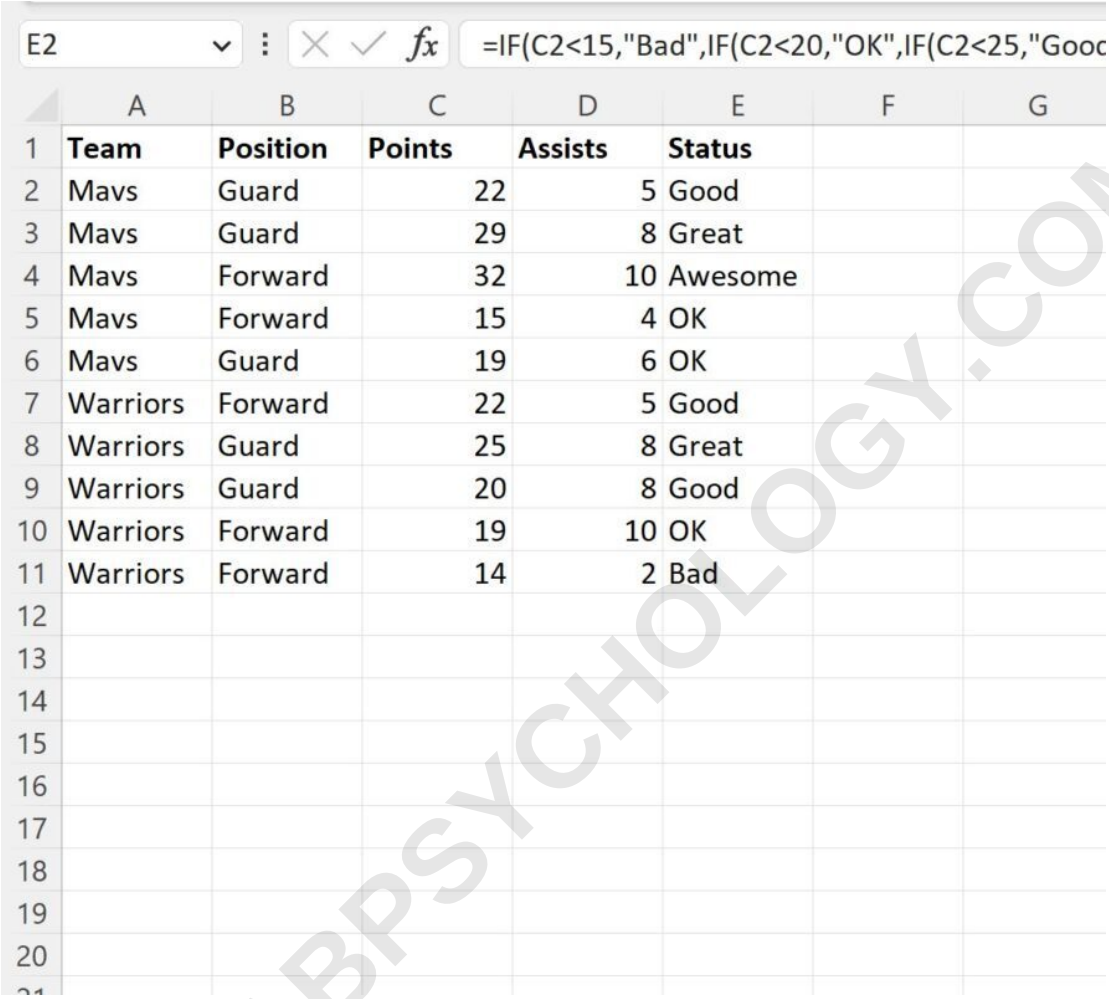
21						

Example 1: Nested IF Function

We can type the following formula into cell E2 to return a specific value based on the value for each player in the Points column:

=IF(C2<15,"Bad",IF(C2<20,"OK",IF(C2<25,"Good",IF(C2<30,"Great","Awesome"))))

We can then drag and fill this formula down to each remaining cell in column E:



	A	B	C	D	E	F	G
1	**Team**	**Position**	**Points**	**Assists**	**Status**		
2	Mavs	Guard	22	5	Good		
3	Mavs	Guard	29	8	Great		
4	Mavs	Forward	32	10	Awesome		
5	Mavs	Forward	15	4	OK		
6	Mavs	Guard	19	6	OK		
7	Warriors	Forward	22	5	Good		
8	Warriors	Guard	25	8	Great		
9	Warriors	Guard	20	8	Good		
10	Warriors	Forward	19	10	OK		
11	Warriors	Forward	14	2	Bad		
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Here's what this formula did:

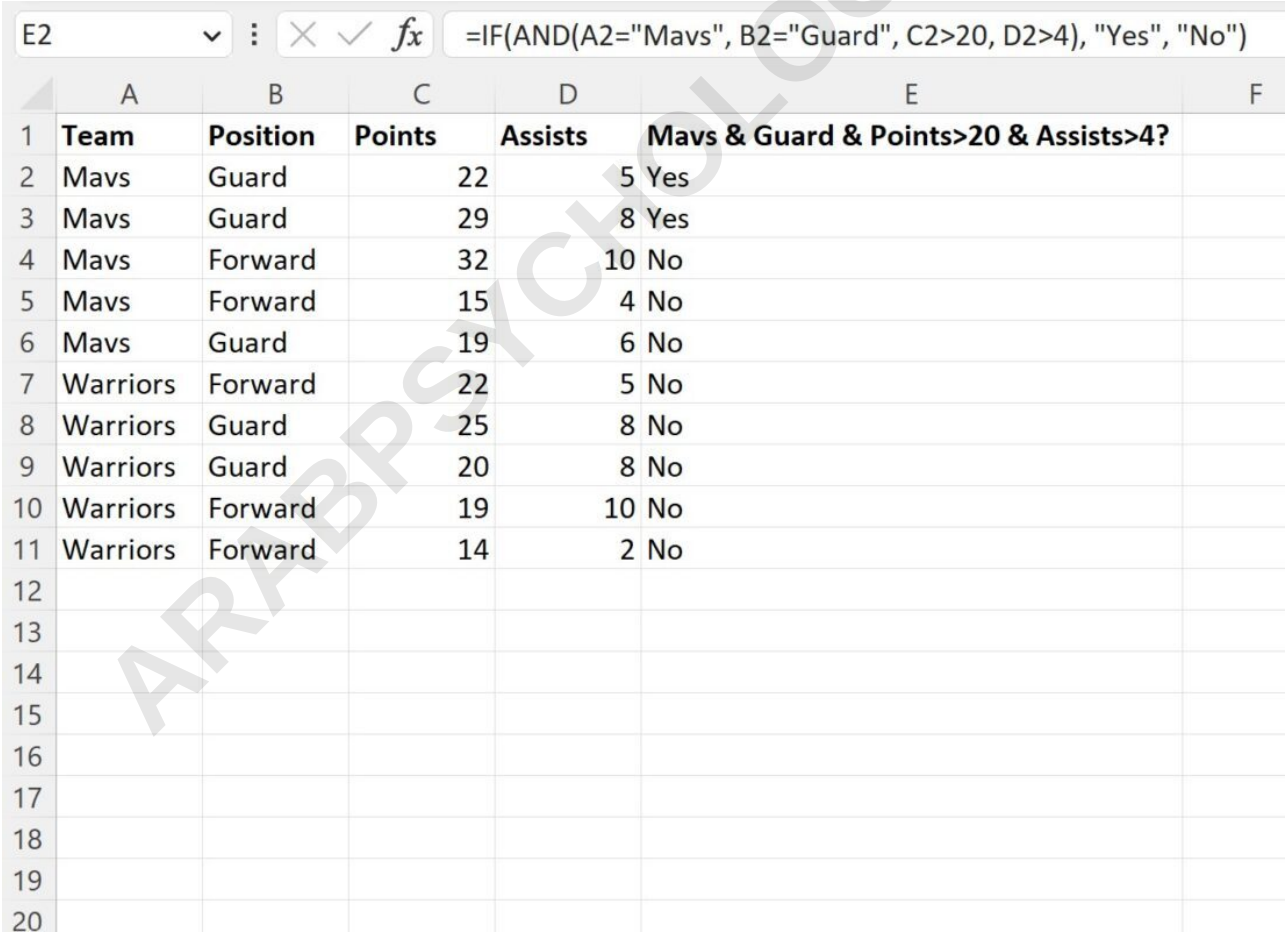
If the value in the Points column is less than 15, return Bad.Else, if the value in the Points column is less than 20, return OK.Else, if the value in the Points column is less than 25, return Good.Else, if the value in the Points column is less than 30, return Great.Else, return

Awesome.

Example 2: IF Function with AND Logic

=IF(AND(A2="Mavs", B2="Guard", C2>20, D2>4), "Yes", "No")

We can then drag and fill this formula down to each remaining cell in column E:



	A	B	C	D	E	F
1	**Team**	**Position**	**Points**	**Assists**	**Mavs & Guard & Points>20 & Assists>4?**	
2	Mavs	Guard	22	5	Yes	
3	Mavs	Guard	29	8	Yes	
4	Mavs	Forward	32	10	No	
5	Mavs	Forward	15	4	No	
6	Mavs	Guard	19	6	No	
7	Warriors	Forward	22	5	No	
8	Warriors	Guard	25	8	No	
9	Warriors	Guard	20	8	No	
10	Warriors	Forward	19	10	No	
11	Warriors	Forward	14	2	No	
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Here's what this formula did:

If the value in the Team column was "Mavs" and the value in the Position column was "Guard" and the value in the Points column was greater than 20 and the value in the Assists column was greater than 4, return Yes. Else, if at least one condition is not met then return No.

Example 3: IF Function with OR Logic

We can type the following formula into cell E2 to return "Yes" if one of four conditions are met for a specific player or "No" if none of the conditions are met:

=IF(OR(A2="Mavs", B2="Guard", C2>20, D2>4), "Yes", "No")

We can then drag and fill this formula down to each remaining cell in column E:

E2 =IF(OR(A2="Mavs", B2="Guard", C2>20, D2>4), "Yes", "No")

	A	B	C	D	E
1	**Team**	**Position**	**Points**	**Assists**	**Mavs or Guard or Points>20 or Assists>4?**
2	Mavs	Guard	22	5	Yes
3	Mavs	Guard	29	8	Yes
4	Mavs	Forward	32	10	Yes
5	Mavs	Forward	15	4	Yes
6	Mavs	Guard	19	6	Yes
7	Warriors	Forward	22	5	Yes
8	Warriors	Guard	25	8	Yes
9	Warriors	Guard	20	8	Yes
10	Warriors	Forward	19	10	Yes
11	Warriors	Forward	14	2	No
12					
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Here's what this formula did:

If the value in the Team column was "Mavs" or the value in the Position column was "Guard" or the value in the Points column was greater than 20 or the value in the Assists column was greater than 4, return Yes.
Else, if none of the conditions are met then return No.

The following tutorials explain how to perform other

common tasks in Excel: