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

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The IF function in Excel allows users to set conditional statements based on specific criteria. This function can be used with up to five conditions, allowing for more complex and precise calculations. To use an IF function with five conditions, the user must first specify the logical test, followed by the value or action to be taken if the test is true. This can be repeated for each additional condition, with the final condition being the "else" statement for any scenarios that do not meet the previous conditions. By utilizing the IF function with five conditions, users can effectively analyze and manipulate data in Excel based on multiple criteria.

Excel: Use an IF Function with 5 Conditions

You can use the following formulas to create an IF function with 5 conditions in Excel:

Method 1: Nested IF Function

=IF(C2<15,"F",IF(C2<20,"E",IF(C2<25,"D",IF(C2<30,"C",IF(C2<35,"B", "A")))))

Method 2: IF Function with AND Logic

=IF(AND(A2="Mavs", B2="Guard", C2>20, D2>4, E2>2), "Yes", "No")

Method 3: IF Function with OR Logic

=IF(OR(A2="Mavs", B2="Guard", C2>20, D2>4, E2>2), "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**	**Steals**	
2	Mavs	Guard	22	5	4	
3	Mavs	Guard	29	8	3	
4	Mavs	Forward	32	10	8	
5	Mavs	Forward	15	4	8	
6	Mavs	Guard	19	6	6	
7	Warriors	Forward	22	5	3	
8	Warriors	Guard	37	8	9	
9	Warriors	Guard	20	8	4	
10	Warriors	Forward	19	10	2	
11	Warriors	Forward	14	2	1	
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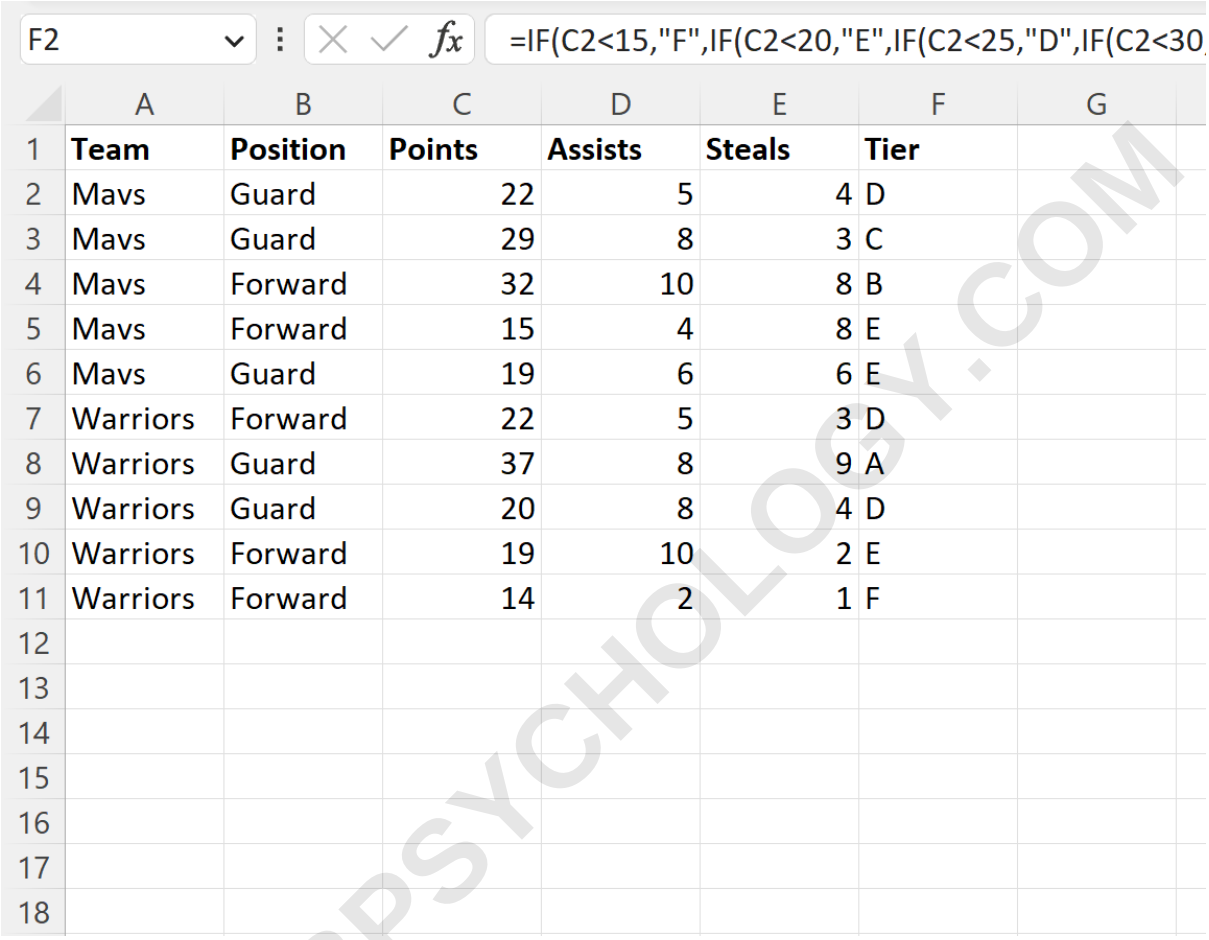
Example 1: Nested IF Function

We can type the following formula into cell F2 to return a ranking tier value of A through F based on the value for each player in the Points column:

=IF(C2<15,"F",IF(C2<20,"E",IF(C2<25,"D",IF(C2<30,"C",IF(C2<35,"B", "A")))))

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**	**Steals**	**Tier**	
2	Mavs	Guard	22	5	4	D	
3	Mavs	Guard	29	8	3	C	
4	Mavs	Forward	32	10	8	B	
5	Mavs	Forward	15	4	8	E	
6	Mavs	Guard	19	6	6	E	
7	Warriors	Forward	22	5	3	D	
8	Warriors	Guard	37	8	9	A	
9	Warriors	Guard	20	8	4	D	
10	Warriors	Forward	19	10	2	E	
11	Warriors	Forward	14	2	1	F	
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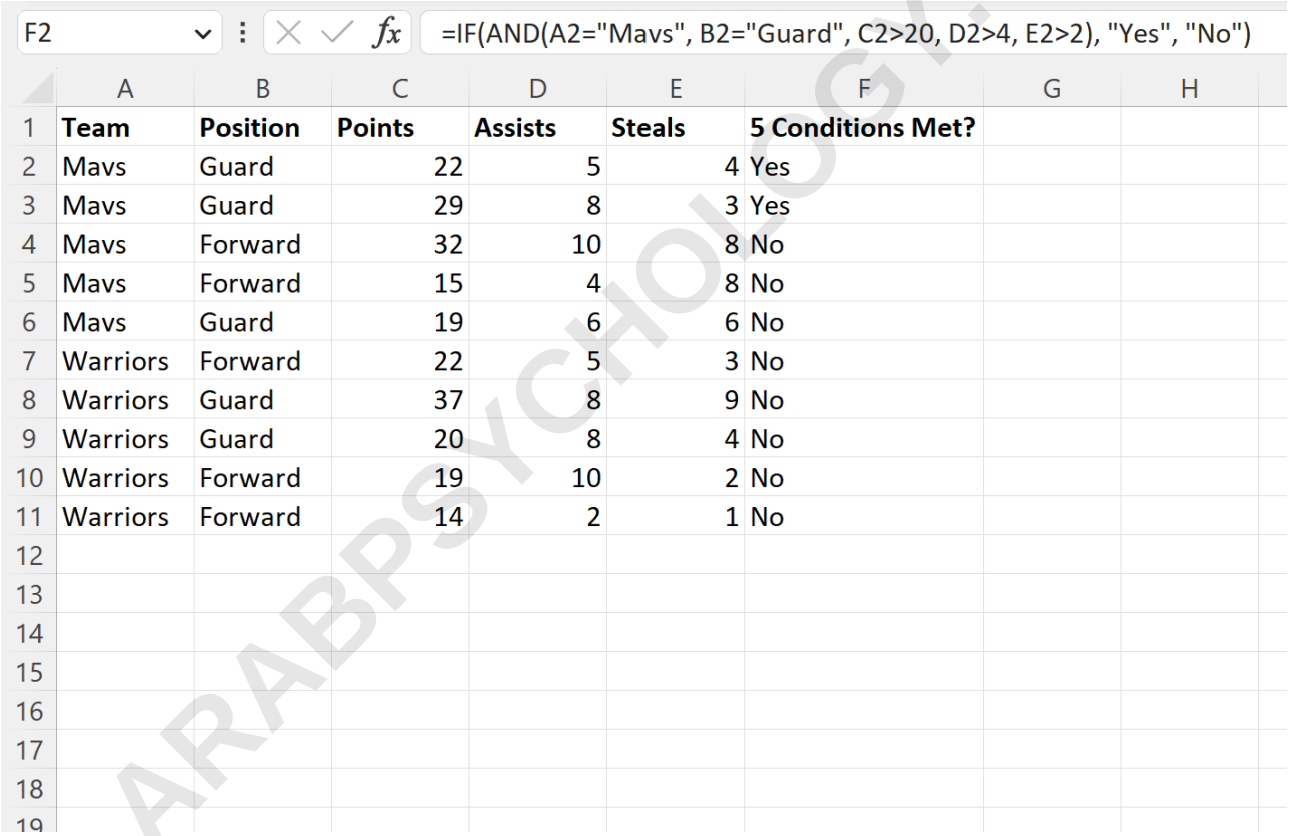
Here's what this formula did:

If the value in the Points column is less than 15, return F.Else, if the value in the Points column is less than 20, return E.Else, if the value in the Points column is less than 25, return D.Else, if the value in the Points column is less than 30, return C.Else, if the value in the Points column is less than 35, return B.Else, return A.

Example 2: IF Function with AND Logic

=IF(AND(A2="Mavs", B2="Guard", C2>20, D2>4, E2>2), "Yes", "No")

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



	A	B	C	D	E	F	G	H
1	**Team**	**Position**	**Points**	**Assists**	**Steals**	**5 Conditions Met?**		
2	Mavs	Guard	22	5	4	Yes		
3	Mavs	Guard	29	8	3	Yes		
4	Mavs	Forward	32	10	8	No		
5	Mavs	Forward	15	4	8	No		
6	Mavs	Guard	19	6	6	No		
7	Warriors	Forward	22	5	3	No		
8	Warriors	Guard	37	8	9	No		
9	Warriors	Guard	20	8	4	No		
10	Warriors	Forward	19	10	2	No		
11	Warriors	Forward	14	2	1	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 and the value in the Steals column was greater than 2, 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 F2 to return "Yes" if at least one of five 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, E2>2), "Yes", "No")

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

F2 =IF(OR(A2="Mavs", B2="Guard", C2>20, D2>4), "Yes", "No")

	A	B	C	D	E	F
1	**Team**	**Position**	**Points**	**Assists**	**Steals**	**At least One of 5 Conditions Met?**
2	Mavs	Guard	22	5	4	Yes
3	Mavs	Guard	29	8	3	Yes
4	Mavs	Forward	32	10	8	Yes
5	Mavs	Forward	15	4	8	Yes
6	Mavs	Guard	19	6	6	Yes
7	Warriors	Forward	22	5	3	Yes
8	Warriors	Guard	37	8	9	Yes
9	Warriors	Guard	20	8	4	Yes
10	Warriors	Forward	19	10	2	Yes
11	Warriors	Forward	14	2	1	No
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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 or the value in the Steals column was greater than 2, 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: