

RE: Help with formula too many nested IFs

Source:

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.worksheet.functions/2006-09/msg01491.html>

- *From:* Bob <Bob@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 18 Sep 2006 08:06:01 -0700
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Dave,

Since I really need to test for the existence of a value, I re-wrote my formula based on your suggestion as follows:

```
=IF(AND(CELL("type",B1)="v",CELL("type",C1)="v"),IF(B1>C1,"Early",IF(B1=C1,"On-time","Late")),IF(AND(C1<>date)))
```

The only way I know how to test specifically for the existence of a date is to use the CELL's "format" info_type. If you have a better suggestion, I am all ears.

Finally, I still wish there was a way to re-write the above formula using possibly different built-in functions so that it would not be so long. If you have any ideas on how I can accomplish this, I would greatly appreciate it.

Thanks again for all your help.
Bob

"Dave F" wrote:

Change what I give below to this:

```
=IF(NOT(OR(ISBLANK(B1),ISBLANK(C1))),[calculate delivery performance],IF(NOT(OR(ISBLANK(A1),ISBLANK(B1))),[calculate delivery performance],"Missing dates"))
```

This assumes, of course, that if A1, B1, or C1 do not have dates in them, they also have nothing else in them. If that's not the case, then you have to test for the presence of data formatted as dates.

Dave

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Brevity is the soul of wit.

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"Dave F" wrote:

I guess I would do something like
=IF(NOT(OR(ISBLANK(B1),ISBLANK(C1))),[calculate delivery
performance,IF(NOT(OR(ISBLANK(A1),ISBLANK(B1))),[calculate
delivery
performance],""))

This seems rather complicated though. Perhaps you can split these
IF-THEN-ELSE constructions into multiple logic statements, make sure that
each is operating correctly, and then combine all of them into one giant
formula?

What I put above says, in plain English, "IF neither B1 nor C1 is blank,
then calculate performance, ELSE IF neither A1 nor B1 is blank, THEN
calculate performance, ELSE nothing."

Dave

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Brevity is the soul of wit.

"Bob" wrote:

Dave,
You're right! Thanks for catching my error.
Can you help me modify my formula to incorporate the 3rd
step and/or rewrite
it so that it doesn't include so many nested IFs?
Bob

"Dave F" wrote:

Based on steps 1 and 2, your 3rd step should
have the logic (A1 OR B1) AND
C1, not the way you have it, which is A1
AND B1 OR C1.

Dave

--

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"Bob" wrote:

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A1 = Original Planned Due
Date
B1 = Revised Planned Due
Date
C1 = Actual Due Date

I m trying to write a
formula that computes the
following:

1) If dates exist in cells B1
AND C1, calculate delivery
performance (i.e.,
Early, On-time, or Late) in
cell D1

ELSE

2) If dates exist in cells A1
AND C1, calculate delivery
performance in cell
D1

ELSE

3) If there are no dates in
((A1 AND B1) OR C1),
display Missing date(s)
in cell D1

The formula I have written
so far is:

```
=IF(AND(CELL("type",B1)="v",CELL("type",C1)="v"),IF(B1>C1,"Early",IF
```

The only part of my formula
that I m having trouble
figuring out is how to
capture #3 above.

Also, is there a way to
rewrite my formula so that it
doesn t use so many
nested IF statements? Is
there a different Excel
built-in function that I
can use to streamline my
formula?

Any help would be greatly
appreciated.

Thanks,

RE: Help with formula too many nested IFs

Bob