

## Re: Adding on to a formula across rows and columns

**Source:** <http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.misc/2004-05/3500.html>

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Thank you for your suggestion/reply, Doug.

However, I don't know what I would search for.

I just need to go down the rows and, ignoring blank cells,  
I need to tag on an additional formula to an existing formula.

For example, I find a cell which has the following formula:

```
=IF(AND(OR(J5=1,J5=2),J2="...3/12...",J3="12  
inch"),VLOOKUP(J6,lookup!$C$3:$D$19,2,0),IF(AND(J5=3,J2="...3/12...",J3="12  
inch"),VLOOKUP(J6,lookup!$E$3:$F$19,2,0),""))
```

I then Paste an additional formula onto the end of it, so that it becomes:

```
=IF(AND(OR(J5=1,J5=2),J2="...3/12...",J3="12  
inch"),VLOOKUP(J6,lookup!$C$3:$D$19,2,0),IF(AND(J5=3,J2="...3/12...",J3="12  
inch"),VLOOKUP(J6,lookup!$E$3:$F$19,2,0),"")) + IF($J$16=$C$33,$J$17,0)  
+ IF($J$18=$C$33,$J$19,0) + IF($J$20=$C$33,$J$21,0) +  
IF($J$22=$C$33,$J$23,0) + IF($J$24=$C$33,$J$25,0) +  
IF($J$26=$C$33,$J$27,0) + IF($J$28=$C$33,$J$29,0)
```

Now, since I'm on row 34, I have to change every instance of \$C\$33 to \$C\$34.

Also, the original formula contains relative references. I want to change them to absolute references. So I click to the right of each reference and hit F4. It then becomes the final formula I want:

```
=IF(AND(OR($J$5=1,$J$5=2),$J$2="...3/12...",$J$3="12  
inch"),VLOOKUP($J$6,lookup!$C$3:$D$19,2,0),IF(AND($J$5=3,$J$2="...3/12...",$J$3="12  
inch"),VLOOKUP($J$6,lookup!$E$3:$F$19,2,0),"")) +  
IF($J$16=$C$34,$J$17,0) + IF($J$18=$C$34,$J$19,0) +  
IF($J$20=$C$34,$J$21,0) + IF($J$22=$C$34,$J$23,0) +  
IF($J$24=$C$34,$J$25,0) + IF($J$26=$C$34,$J$27,0) +
```

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IF(\$J\$28=\$C\$34,\$J\$29,0)

But then, 2 rows down (row 36), the original formula is different  
(i.e., no VLOOKUP in this one, and no COUNTIF in the other one):

=IF(AND(OR(\$J\$6="38X12",\$J\$6="40X12",\$J\$6="42X12",\$J\$6="44X12",\$J\$6="46X12",\$J\$6="48X12",\$J\$6="50  
inch"),COUNTIF(\$J\$7:\$J\$16,"=E-120-D"))

After I Paste in the end portion and change the row reference, it  
becomes:

=IF(AND(OR(\$J\$6="38X12",\$J\$6="40X12",\$J\$6="42X12",\$J\$6="44X12",\$J\$6="46X12",\$J\$6="48X12",\$J\$6="50  
inch"),COUNTIF(\$J\$7:\$J\$16,"=E-120-D")) + IF(\$J\$16=\$C\$36,\$J\$17,0) +  
IF(\$J\$18=\$C\$36,\$J\$19,0) + IF(\$J\$20=\$C\$36,\$J\$21,0) +  
IF(\$J\$22=\$C\$36,\$J\$23,0) + IF(\$J\$24=\$C\$36,\$J\$25,0) +  
IF(\$J\$26=\$C\$36,\$J\$27,0) + IF(\$J\$28=\$C\$36,\$J\$29,0)

I have 2 more columns left, of 176 rows each, to do this to.  
I believe the 2 different original formulas I've shown here, represent  
the only 2 types of original formulas I have (before I tag on the extra  
"+ IF" arguments).

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