

Re: Sorting

Source:

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.programming/2005-12/msg04539.html>

- *From:* "David McRitchie" <dmcritchie_xlmvp@xxxxxxxxxxxx>
 - *Date:* Tue, 20 Dec 2005 10:34:28 -0500
-

Hi Dave,

Wouldn't it be easier to use a software package like Family Tree Maker rather than trying to make up an Excel file, or did you extract your data from such a package. Sometime during the year some stores practically give you the software for free (except for tax on full price, stamps, time and trouble).

Why do you think you can make Excel sort in a different manner without creating another column for sorting, even if you were simply sorting on 12 different columns you can't do it in one pass with Excel, and that in itself using 4 different sorts would be accomplished better in a macro, which is not a problem because you posted in programming.

Anyway as I see it from your data and strictly from the last two examples, you certainly cannot use Excel alone to sort your data. You need a macro to sort each column twice by creating a text string to sort B you have to check if C has anything above 0, and to sort C you have to check if D has anything above zero.

cBdCeDfEgFhGiHjIkJlKlM

the lowercase will be - if a zero, and x if above zero

the uppercase will be two digit numbers as a string

the appearance will be something like

x06x07x03x12x01-02-00-00-00-00-0000

for Will JONES 6 7 3 12 1 2 0 0

The macro will not have to sort in groups of threes from minor groups to higher order groups because we will sort on a single character string, which can be created and destroyed (column 14), but I'll leave it in along with a column for the original sequence (column 15 which is P).

Actually you put the SURNAME into a separate column and include a spouse, all the more reason to use a package. So I won't bother trying to separate out columns.

You should be able to proceed with the above, but since you would probably not post the resulting macro for others, I might as well

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finish it.

```
Sub Genealogy_sort_B_M()  
'David McRitchie, 2005-12-20, programming, reply to Dave Unger  
Dim rng As Range, cell As Range, str As String, i As Long  
Set rng = Intersect(Range("A:M"), ActiveSheet.UsedRange)  
For Each cell In Intersect(rng, Range("A:A"))  
cell.Offset(0, 15) = cell.row 'reference current row before sort  
str = "" 'initialize str  
For i = 1 To 11  
If cell.Offset(0, i + 1).Value = 0 Then  
str = str & "-"  
Else  
str = str & "x"  
End If  
str = str & Format(cell.Offset(0, i), "00")  
Next i  
cell.Offset(0, 14) = str & Format(cell.Offset(0, 12), "00")  
Next cell  
Cells.Sort Key1:=Range("O1"), Order1:=xlAscending, Header:=xlNo, _  
OrderCustom:=1, MatchCase:=False, Orientation:=xlTopToBottom, _  
DataOption1:=xlSortNormal  
End Sub
```

HTH,
David McRitchie, Microsoft MVP – Excel [site changed Nov. 2001]
My Excel Pages: <http://www.mvps.org/dmcritchie/excel/excel.htm>
Search Page: <http://www.mvps.org/dmcritchie/excel/search.htm>

"Dave Unger" <dave.unger@ sasktel DoT net> wrote in message

> I want this

>

> | Grandfather's sibling | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Grandfather | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Grandfather's sibling | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Son #1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Son #2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Grandson 1-1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Grandson 1-2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Grandson 2-1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
> | Great-Grandson 2-1-1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
> | Great-Grandson 2-2-2 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |

>

> The difficulty is achieving this (without building an extra index)

> | JACK JONES | 6 | 7 | 3 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | JOHANN JONES | 6 | 7 | 3 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | HELEN JONES | 6 | 7 | 3 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | TYLER JONES | 6 | 7 | 3 | 12 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | WILL JONES | 6 | 7 | 3 | 12 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
> | WILLIAM JONES | 6 | 7 | 3 | 12 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

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> | JOHN JONES | 6 | 7 | 3 | 12 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
> | PETER JONES | 6 | 7 | 3 | 12 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
> | WILLIAM JONES | 6 | 7 | 3 | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
> | ELIZABETH JONES | 6 | 7 | 3 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
> | JOHAN JONES | 6 | 7 | 3 | 12 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
> | WILHELM JONES | 6 | 7 | 3 | 12 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |

> |
>

> The zero's are place holders, they get replaced with > 0 digits as the
> newer generations come along.

• **Follow-Ups:**

◆ **Re: Sorting**

◇ From: Dave Unger

• **References:**

◆ **Sorting**

◇ From: Dave Unger

◆ **Re: Sorting**

◇ From: David McRitchie

◆ **Re: Sorting**

◇ From: Dave Unger

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