

Creating a Group of All Portfolios with Label Not Equal to X

The Portfolio Group/Sort utility in Axys is a handy tool. You can create a group based upon Market Value – eg, all portfolios whose market value falls within a given range. You can create a group based upon percentage of assets – eg, all portfolios where a certain security or security type comprises a given percentage of assets of the portfolio. Last, but not least, you can create a group based upon portfolio labels.

When you create a group based upon portfolio labels, you have the following choices

- label equal to a given value
- label less than a given value
- label greater than a given value
- existence of label
- label within a given range

It is an easy matter, therefore, to create a group containing all portfolios with \$state=TX. However, suppose you want a group of all portfolios with \$state NOT EQUAL to TX. How would you accomplish that task? It would be very convenient if the Portfolio Group/Sort Utility had an option for “label not equal to a given value.”

Replang to the rescue! In this quarter’s article, we will learn how to make a new Portfolio Group/Sort Utility that will allow us just the option we want. So...brave and intrepid souls...fire up your text editor, and read on! (Note: the instructions below apply only to the 3.5.1 version of Axys. Earlier versions of the Portfolio Group/Sort Utility have different line numbers and routine names, and thus will not match the figures shown.)

1. Your first step is to make a copy of the existing Portfolio Group/Sort Utility, group.rep. Copy this file to a new file...we’ll call it mygroup.rep. Now open mygroup.rep in your text editor. The first few lines look something like this:

```
1 format a 80
2 if $_repsh "g" =*
3   cshelp 11066253; // Grapevine MENUITEM &Sort/Create from
4 else
5   cshelp 21076548; // Axys MENUITEM "Portfolio Group/Sort
```

2. Now find line 186, and add line 187 (as shown below) to add the Not Equal To selection

```
186 ACC $compare, ADDS_RADIO, "=" [SUB] g , "Label value &equal to"
187 ACC $compare, ADDS_RADIO, "!=" [SUB] g , "Label value &not equal to"
188 ACC $compare, ADDS_RADIO, "r" [SUB] i , "Label value &within range"
189 ACC $compare, ADDS_RADIO, "n" - "Existence of label"
```

3. At the end of line 184, change the 5 to a 6 to expand the box around the selection options

```
183
184 IO, ">" [SUB] g , "Label value &greater than" "Create based on" 25 6
185 IO, "<" [SUB] g , "Label value &less than"
```

4. Add line 383 to define the text for “not equal to” (appears on the report at the end of the group/sort)

```
383 $! is not equal to
```

5. Add lines 452 and 453 (compares a string label to the given value and sets \$sval if not equal)

```

452     if $compare "!=" =* $value $$ label =*! &
453     $sval $$ label

```

6. Add lines 479 and 480 (compares a numeric/date label to the given value, sets #nval if not equal)

```

478     #nval # $ label
479     if $compare "!=" =* # $ label #value =! &
480     #nval # $ label
481     if $compare "<" =* # $ label #value < &

```

All done. Save your file and test it out.

Generate new group file "_test.grp" including portfolios containing the label \$state whose value is not equal to PA.

Group is not sorted.

Portfolio Sort Value

+@statmlg

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