Sorting Algorithm ToolsMenu

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Run the following routine ***EVERY TIME*** if any resource(s) in $HOME/.Xresources and/or $HOME/ .app-defaults/XFile have been modified, and the item order in the XFile ToolsMenu appears to have changed from the desired (and previously set) order:

1. In $HOME/.app-defaults/XFile, set the positionIndex of ***all*** ToolsMenu items to 0, run xrdb, open a new XFile window, and click Tools;

2. Arrange all ToolsMenu items in the order they appear from top to bottom in the ToolsMenu;

3. After each item, enter the ***desired*** "RANKING POSITION" in the ToolsMenu, with 0 for the top position;

4. Give the item found at the bottom a "STACKING POSITION" of 0, and lookup the ranking position assigned to this item;

5. Now iterate through the item list, moving up one position at a time, and perform steps 6 and 7 for each item;

6. Compare the ranking of the item in question to that of all previously passed items in the list;

7. Assign to the item in question a (momentary) STACK POSITION equal to the number of previously passed items with a ***smaller*** RANKING POSITION;

8. Once all toolsMenu items have been visited, enter the found STACK POSITION for each item in $HOME/.app-defaults/XFile as the new positionIndex;

Note: Different ToolsMenu items may have the same stack position, as this is a momentary value.