https://github.com/melanieprado/compareSortingAlgorithms

```
runtime : 0.048000 extra memory allocated : 0
 extra memory allocated : 0
Data:
14 123 359 456 586 636 676 698 883 1114 1125 1196 1247 1334 1338 1459 1525 1531 1549 1597 1599 1671 1680 1974 1980 2112 2223 2524 2808 2809 2817 2960 2969 3046 3192 3394 3479 3640 3722 3870 4071 454
2 4622 4737 4774 4933 5065 5144 5322 5406 5493 5510 5521 5987 6099 6355 6557 6571 6819 6876 6885 6915 6919 6968 6988 7653 7654 7077 7086 7093 7173 7284 7367 7408 7416 7675 7691 7945 8030 8166 8170 8754 9099 9
89064 990908 990761 998812 990856 908089 998813 990850 990808 990808 990813 99180 99180 99187 991279 991470 991811 991821 991819 99288 99231 992460 992554 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 992670 9
```

extra memory allocated : 0.120000 Data:

extra memory allocated : 0
Data:

5 6 64 122 171 369 4801 499 667 794 1805 1281 1414 1822 2876 2342 2469 2545 2616 2620 2674 2752 2877 2932 3878 3341 3353 3481 3561 3589 3649 3655 3783 3920 4255 4258 4265 4640 4666 4795 4817 4838 4867

5804 5173 5233 5235 6589 5880 5832 5913 5939 6006 6074 6182 6200 6208 6233 6512 6622 6935 7899 7804 7153 7156 7190 7438 7567 7602 7681 7742 7774 7814 7905 7957 8160 8275 8518 8521 8534 8624 8696 8786 8807 8808

9 8882 8947 6903 9174 9175 9199 9261 9970200 999047 9990270 9990270 9990270 9990270 9990270 9990270 9990100 9991270 999110 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9990777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900777 9900

```
Dataset Size : 1000000
Selection Sort:
runtime
         runcime : 857.996000
extra memory allocated : 0
```

extra memory allocated : 6
Data:

173 248 267 277 301 422 510 6167 688 757 757 1111 1252 1263 1366 1433 1471 1502 1518 1552 1858 1895 2045 2135 2143 2179 2426 2459 2810 2833 2859 2893 2931 3165 3110 3220 3237 3377 3396 3638 3683 3771 3
932 3095 4183 4144 2458 4466 4406 4542 4609 4781 4872 4887 5131 5356 5426 5451 5458 5719 5206 6609 6334 6370 6405 6414 6488 6600 6716 6827 6892 7386 7515 7547 7620 7662 7676 7744 7848 7864 7938 7942 7991 8271
8286 8293 8343 3401 8405 8542 8599 8845 8997 9133 9208 9299 9188 9676 9871 9995
9008034 9098034 9098030 90980347 909908054 9099080569 90980569 90980569 90980579 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379 90990379

bible Sort:
cuttime
: 2220,329000
cutta seconcy allocated : 0
Data:
173 240 202 277 301 422 510 617 688 757 757 1111 1252 1263 1306 1433 1471 1502 1518 1552 1858 1805 2045 2135 2143 2179 2426 2459 2810 2833 2859 2893 2931 3105 3110 3220 3237 3377 3396 3638 3683 3771 3912 3995 4
183 4162 4458 4469 4469 4542 4699 4781 4872 4887 5131 5155 5425 5451 5458 5719 5926 6996 6334 6370 6485 6410 6487 6802 7386 7515 7547 7620 7662 7676 7744 7848 7864 7930 7942 7991 8271 8286 8293 8343 8401
8486 8542 8569 8945 8907 313 3000 9009 90188427 9098844 1 90988486 99988586 90988586 90988586 90988586 90998138 90998138 90998139 9099839 9099839 90998099 909889 90998849 90998139 90998139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 90991139 909911