

Bubble Sort

468295173

ok

468295173

ok

468295173

out of order

~~456~~

462895173

ok

462895173

out of order

462859173

out of order

462851973

out of order

462851793

out of order

462851793

Insertion Sort (The line indicates the end of sublist)

468295173

46|8295173

468|295173

2468|95173

24689|5173

245689|173

1245689|73

~~12345689~~

12456789|3

123456789

Quick sort (First pivot)

~~468295173~~

~~123~~ ~~468957~~

468295173

208 4 68957

1208 4 68957 9

657 8

1203456789

Quick sort (median of three pivot)

468295173

median = 5.5

46820173

468 5173

4213 5 687

2013 4 678

10054678