

Before: failed After: passed Algorithm: BubbleSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 973

Before: failed After: passed Algorithm: SelectionSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 728

Before: failed After: passed Algorithm: QuickSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 99

Before: failed After: passed Algorithm: MergeSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 105

Before: failed After: passed Algorithm: BubbleSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 32 In Microseconds: 32383

Before: failed After: passed Algorithm: SelectionSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 23 In Microseconds: 23104

Before: failed After: passed Algorithm: QuickSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 463

Before: failed After: passed Algorithm: MergeSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 481

Before: failed After: passed Algorithm: BubbleSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 123 In Microseconds: 123369

Before: failed After: passed Algorithm: SelectionSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 92 In Microseconds: 92376

Before: failed After: passed Algorithm: QuickSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 1 In Microseconds: 1015

Before: failed After: passed Algorithm: MergeSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 1 In Microseconds: 1018

Before: failed After: passed Algorithm: BubbleSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 5 In Milliseconds: 5030 In Microseconds: 5030716

Before: failed After: passed Algorithm: SelectionSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 2 In Milliseconds: 2290 In Microseconds: 2290249

Before: failed After: passed Algorithm: QuickSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 6 In Microseconds: 6165

Before: failed After: passed Algorithm: MergeSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 5 In Microseconds: 5820

Before: failed After: passed Algorithm: BubbleSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 21 In Milliseconds: 21624 In Microseconds: 21624236

Before: failed After: passed Algorithm: SelectionSort Size: 100000 Array  
Creation Method: Random => Seed: 21 Execution Time:  
In Seconds: 9 In Milliseconds: 9227 In Microseconds: 9227423

Before: failed After: passed Algorithm: QuickSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 13 In Microseconds: 13386

Before: failed After: passed Algorithm: MergeSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 12 In Microseconds: 12250

Before: failed After: passed Algorithm: BubbleSort Size: 500 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 354

Before: failed After: passed Algorithm: SelectionSort Size: 500 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 269

Before: failed After: passed Algorithm: QuickSort Size: 500 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 44

Before: failed After: passed Algorithm: MergeSort Size: 500 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 40

Before: failed After: passed Algorithm: BubbleSort Size: 5000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 30 In Microseconds: 30397

Before: failed After: passed Algorithm: SelectionSort Size: 5000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 23 In Microseconds: 23524

Before: failed After: passed Algorithm: QuickSort Size: 5000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 460

Before: failed After: passed Algorithm: MergeSort Size: 5000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 452

Before: failed After: passed Algorithm: BubbleSort Size: 10000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 127 In Microseconds: 127693

Before: failed After: passed Algorithm: SelectionSort Size: 10000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 91 In Microseconds: 91978

Before: failed After: passed Algorithm: QuickSort Size: 10000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 1 In Microseconds: 1070

Before: failed After: passed Algorithm: MergeSort Size: 10000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 1 In Microseconds: 1049

Before: failed After: passed Algorithm: BubbleSort Size: 50000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 5 In Milliseconds: 5254 In Microseconds: 5254236

Before: failed After: passed Algorithm: SelectionSort Size: 50000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 2 In Milliseconds: 2313 In Microseconds: 2313786

Before: failed After: passed Algorithm: QuickSort Size: 50000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 6 In Microseconds: 6947

Before: failed After: passed Algorithm: MergeSort Size: 50000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 5 In Microseconds: 5789

Before: failed After: passed Algorithm: BubbleSort Size: 100000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 22 In Milliseconds: 22403 In Microseconds: 22403393

Before: failed After: passed Algorithm: SelectionSort Size: 100000 Array  
Creation Method: Random => Seed: 1 Execution Time:  
In Seconds: 9 In Milliseconds: 9409 In Microseconds: 9409887

Before: failed After: passed Algorithm: QuickSort Size: 100000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 13 In Microseconds: 13577

Before: failed After: passed Algorithm: MergeSort Size: 100000 Array Creation  
Method: Random => Seed: 1 Execution Time:  
In Seconds: 0 In Milliseconds: 12 In Microseconds: 12599

Before: failed After: passed Algorithm: BubbleSort Size: 500 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 348

Before: failed After: passed Algorithm: SelectionSort Size: 500 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 268

Before: failed After: passed Algorithm: QuickSort Size: 500 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 36

Before: failed After: passed Algorithm: MergeSort Size: 500 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 41

Before: failed After: passed Algorithm: BubbleSort Size: 5000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 30 In Microseconds: 30511

Before: failed After: passed Algorithm: SelectionSort Size: 5000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 24 In Microseconds: 24097

Before: failed After: passed Algorithm: QuickSort Size: 5000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 511

Before: failed After: passed Algorithm: MergeSort Size: 5000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 480

Before: failed After: passed Algorithm: BubbleSort Size: 10000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 129 In Microseconds: 129677

Before: failed After: passed Algorithm: SelectionSort Size: 10000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 97 In Microseconds: 97088

Before: failed After: passed Algorithm: QuickSort Size: 10000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 1 In Microseconds: 1102

Before: failed After: passed Algorithm: MergeSort Size: 10000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 1 In Microseconds: 1085

Before: failed After: passed Algorithm: BubbleSort Size: 50000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 5 In Milliseconds: 5485 In Microseconds: 5485316

Before: failed After: passed Algorithm: SelectionSort Size: 50000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 2 In Milliseconds: 2352 In Microseconds: 2352977

Before: failed After: passed Algorithm: QuickSort Size: 50000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 6 In Microseconds: 6448

Before: failed After: passed Algorithm: MergeSort Size: 50000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 6 In Microseconds: 6033

Before: failed After: passed Algorithm: BubbleSort Size: 100000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 22 In Milliseconds: 22775 In Microseconds: 22775931

Before: failed After: passed Algorithm: SelectionSort Size: 100000 Array  
Creation Method: Random => Seed: 2002 Execution Time:  
In Seconds: 9 In Milliseconds: 9509 In Microseconds: 9509118

Before: failed After: passed Algorithm: QuickSort Size: 100000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 13 In Microseconds: 13827

Before: failed After: passed Algorithm: MergeSort Size: 100000 Array Creation  
Method: Random => Seed: 2002 Execution Time:  
In Seconds: 0 In Milliseconds: 12 In Microseconds: 12390

Before: failed After: passed Algorithm: BubbleSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 236

Before: failed After: passed Algorithm: SelectionSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 262

Before: failed After: passed Algorithm: QuickSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 97

Before: failed After: passed Algorithm: MergeSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 27

Before: failed After: passed Algorithm: BubbleSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 21 In Microseconds: 21623

Before: failed After: passed Algorithm: SelectionSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 23 In Microseconds: 23753

Before: failed After: passed Algorithm: QuickSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 9 In Microseconds: 9170

Before: failed After: passed Algorithm: MergeSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 293

Before: failed After: passed Algorithm: BubbleSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 85 In Microseconds: 85734

Before: failed After: passed Algorithm: SelectionSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 95 In Microseconds: 95211

Before: failed After: passed Algorithm: QuickSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 33 In Microseconds: 33903

Before: failed After: passed Algorithm: MergeSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 641

Before: failed After: passed Algorithm: BubbleSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 2 In Milliseconds: 2166 In Microseconds: 2166049

Before: failed After: passed Algorithm: SelectionSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 2 In Milliseconds: 2338 In Microseconds: 2338841

Before: failed After: passed Algorithm: QuickSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 814 In Microseconds: 814487

Before: failed After: passed Algorithm: MergeSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 3 In Microseconds: 3519

Before: failed After: passed Algorithm: BubbleSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 8 In Milliseconds: 8717 In Microseconds: 8717117

Before: failed After: passed Algorithm: SelectionSort Size: 100000 Array  
Creation Method: Random => Seed: 21 Execution Time:  
In Seconds: 9 In Milliseconds: 9510 In Microseconds: 9510341

Before: failed After: passed Algorithm: QuickSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 4 In Milliseconds: 4250 In Microseconds: 4250628

Before: failed After: passed Algorithm: MergeSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 8 In Microseconds: 8406

Before: failed After: passed Algorithm: BubbleSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 435

Before: failed After: passed Algorithm: SelectionSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 280

Before: failed After: passed Algorithm: QuickSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 572

Before: failed After: passed Algorithm: MergeSort Size: 500 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 25

Before: failed After: passed Algorithm: BubbleSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 42 In Microseconds: 42398

Before: failed After: passed Algorithm: SelectionSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 24 In Microseconds: 24719

Before: failed After: passed Algorithm: QuickSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 52 In Microseconds: 52369

Before: failed After: passed Algorithm: MergeSort Size: 5000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 304

Before: failed After: passed Algorithm: BubbleSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 160 In Microseconds: 160382

Before: failed After: passed Algorithm: SelectionSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 91 In Microseconds: 91025

Before: failed After: passed Algorithm: QuickSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 194 In Microseconds: 194086

Before: failed After: passed Algorithm: MergeSort Size: 10000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 0 In Microseconds: 598

Before: failed After: passed Algorithm: BubbleSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 3 In Milliseconds: 3762 In Microseconds: 3762648

Before: failed After: passed Algorithm: SelectionSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 2 In Milliseconds: 2126 In Microseconds: 2126765

Before: failed After: passed Algorithm: QuickSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 4 In Milliseconds: 4782 In Microseconds: 4782342

Before: failed After: passed Algorithm: MergeSort Size: 50000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 3 In Microseconds: 3476

Before: failed After: passed Algorithm: BubbleSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 14 In Milliseconds: 14991 In Microseconds: 14991956

Before: failed After: passed Algorithm: SelectionSort Size: 100000 Array  
Creation Method: Random => Seed: 21 Execution Time:  
In Seconds: 8 In Milliseconds: 8492 In Microseconds: 8492889

Before: failed After: passed Algorithm: QuickSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 19 In Milliseconds: 19363 In Microseconds: 19363119

Before: failed After: passed Algorithm: MergeSort Size: 100000 Array Creation  
Method: Random => Seed: 21 Execution Time:  
In Seconds: 0 In Milliseconds: 7 In Microseconds: 7272

All Tests Passed! Seed: 21 Algorithm: BubbleSort Size: 500 Execution Time  
=> Seconds: 0 Milliseconds: 0 Microseconds: 973 Size: 5000 Execution Time  
=> Seconds: 0 Milliseconds: 32 Microseconds: 32383 Size: 10000 Execution  
Time => Seconds: 0 Milliseconds: 123 Microseconds: 123369 Size: 50000  
Execution Time => Seconds: 5 Milliseconds: 5030 Microseconds: 5030716 Size:  
100000 Execution Time => Seconds: 21 Milliseconds: 21624 Microseconds:  
21624236 Algorithm: SelectionSort Size: 500 Execution Time => Seconds: 0  
Milliseconds: 0 Microseconds: 728 Size: 5000 Execution Time => Seconds: 0  
Milliseconds: 23 Microseconds: 23104 Size: 10000 Execution Time => Seconds:  
0 Milliseconds: 92 Microseconds: 92376 Size: 50000 Execution Time => Seconds:  
2 Milliseconds: 2290 Microseconds: 2290249 Size: 100000 Execution Time =>  
Seconds: 9 Milliseconds: 9227 Microseconds: 9227423 Algorithm: QuickSort  
Size: 500 Execution Time => Seconds: 0 Milliseconds: 0 Microseconds: 99 Size:  
5000 Execution Time => Seconds: 0 Milliseconds: 0 Microseconds: 463 Size:



10000 Execution Time => Seconds: 0 Miliseconds: 1 Microseconds: 1015 Size:  
 50000 Execution Time => Seconds: 0 Miliseconds: 6 Microseconds: 6165 Size:  
 100000 Execution Time => Seconds: 0 Miliseconds: 13 Microseconds: 13386  
 Algorithm: MergeSort Size: 500 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 105 Size: 5000 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 481 Size: 10000 Execution Time => Seconds: 0 Miliseconds: 1  
 Microseconds: 1018 Size: 50000 Execution Time => Seconds: 0 Miliseconds: 5  
 Microseconds: 5820 Size: 100000 Execution Time => Seconds: 0 Miliseconds: 12  
 Microseconds: 12250 Seed: 1 Algorithm: BubbleSort Size: 500 Execution Time  
 => Seconds: 0 Miliseconds: 0 Microseconds: 354 Size: 5000 Execution Time  
 => Seconds: 0 Miliseconds: 30 Microseconds: 30397 Size: 10000 Execution  
 Time => Seconds: 0 Miliseconds: 127 Microseconds: 127693 Size: 50000  
 Execution Time => Seconds: 5 Miliseconds: 5254 Microseconds: 5254236 Size:  
 100000 Execution Time => Seconds: 22 Miliseconds: 22403 Microseconds:  
 22403393 Algorithm: SelectionSort Size: 500 Execution Time => Seconds: 0  
 Miliseconds: 0 Microseconds: 269 Size: 5000 Execution Time => Seconds: 0  
 Miliseconds: 23 Microseconds: 23524 Size: 10000 Execution Time => Seconds:  
 0 Miliseconds: 91 Microseconds: 91978 Size: 50000 Execution Time => Seconds:  
 2 Miliseconds: 2313 Microseconds: 2313786 Size: 100000 Execution Time =>  
 Seconds: 9 Miliseconds: 9409 Microseconds: 9409887 Algorithm: QuickSort  
 Size: 500 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 44 Size:  
 5000 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 460 Size:  
 10000 Execution Time => Seconds: 0 Miliseconds: 1 Microseconds: 1070 Size:  
 50000 Execution Time => Seconds: 0 Miliseconds: 6 Microseconds: 6947 Size:  
 100000 Execution Time => Seconds: 0 Miliseconds: 13 Microseconds: 13577  
 Algorithm: MergeSort Size: 500 Execution Time => Seconds: 0 Miliseconds:  
 0 Microseconds: 40 Size: 5000 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 452 Size: 10000 Execution Time => Seconds: 0 Miliseconds: 1  
 Microseconds: 1049 Size: 50000 Execution Time => Seconds: 0 Miliseconds: 5  
 Microseconds: 5789 Size: 100000 Execution Time => Seconds: 0 Miliseconds:  
 12 Microseconds: 12599 Seed: 2002 Algorithm: BubbleSort Size: 500 Execution  
 Time => Seconds: 0 Miliseconds: 0 Microseconds: 348 Size: 5000 Execution  
 Time => Seconds: 0 Miliseconds: 30 Microseconds: 30511 Size: 10000 Execution  
 Time => Seconds: 0 Miliseconds: 129 Microseconds: 129677 Size: 50000  
 Execution Time => Seconds: 5 Miliseconds: 5485 Microseconds: 5485316 Size:  
 100000 Execution Time => Seconds: 22 Miliseconds: 22775 Microseconds:  
 22775931 Algorithm: SelectionSort Size: 500 Execution Time => Seconds: 0  
 Miliseconds: 0 Microseconds: 268 Size: 5000 Execution Time => Seconds: 0  
 Miliseconds: 24 Microseconds: 24097 Size: 10000 Execution Time => Seconds:  
 0 Miliseconds: 97 Microseconds: 97088 Size: 50000 Execution Time => Seconds:  
 2 Miliseconds: 2352 Microseconds: 2352977 Size: 100000 Execution Time =>  
 Seconds: 9 Miliseconds: 9509 Microseconds: 9509118 Algorithm: QuickSort  
 Size: 500 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 36 Size:  
 5000 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 511 Size:  
 10000 Execution Time => Seconds: 0 Miliseconds: 1 Microseconds: 1102 Size:  
 50000 Execution Time => Seconds: 0 Miliseconds: 6 Microseconds: 6448 Size:

100000 Execution Time => Seconds: 0 Miliseconds: 13 Microseconds: 13827  
 Algorithm: MergeSort Size: 500 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 41 Size: 5000 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 480 Size: 10000 Execution Time => Seconds: 0 Miliseconds: 1  
 Microseconds: 1085 Size: 50000 Execution Time => Seconds: 0 Miliseconds: 6  
 Microseconds: 6033 Size: 100000 Execution Time => Seconds: 0 Miliseconds: 12  
 Microseconds: 12390 Favorable Case: Algorithm: BubbleSort Size: 500  
 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 236 Size: 5000  
 Execution Time => Seconds: 0 Miliseconds: 21 Microseconds: 21623 Size:  
 10000 Execution Time => Seconds: 0 Miliseconds: 85 Microseconds: 85734 Size:  
 50000 Execution Time => Seconds: 2 Miliseconds: 2166 Microseconds: 2166049  
 Size: 100000 Execution Time => Seconds: 8 Miliseconds: 8717 Microseconds:  
 8717117 Algorithm: SelectionSort Size: 500 Execution Time => Seconds: 0  
 Miliseconds: 0 Microseconds: 262 Size: 5000 Execution Time => Seconds: 0  
 Miliseconds: 23 Microseconds: 23753 Size: 10000 Execution Time => Seconds:  
 0 Miliseconds: 95 Microseconds: 95211 Size: 50000 Execution Time => Seconds:  
 2 Miliseconds: 2338 Microseconds: 2338841 Size: 100000 Execution Time =>  
 Seconds: 9 Miliseconds: 9510 Microseconds: 9510341 Algorithm: QuickSort Size:  
 500 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 97 Size: 5000  
 Execution Time => Seconds: 0 Miliseconds: 9 Microseconds: 9170 Size: 10000  
 Execution Time => Seconds: 0 Miliseconds: 33 Microseconds: 33903 Size: 50000  
 Execution Time => Seconds: 0 Miliseconds: 814 Microseconds: 814487 Size:  
 100000 Execution Time => Seconds: 4 Miliseconds: 4250 Microseconds: 4250628  
 Algorithm: MergeSort Size: 500 Execution Time => Seconds: 0 Miliseconds:  
 0 Microseconds: 27 Size: 5000 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 293 Size: 10000 Execution Time => Seconds: 0 Miliseconds: 0  
 Microseconds: 641 Size: 50000 Execution Time => Seconds: 0 Miliseconds: 3  
 Microseconds: 3519 Size: 100000 Execution Time => Seconds: 0 Miliseconds:  
 8 Microseconds: 8406 Unfavorable Case: Algorithm: BubbleSort Size: 500  
 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 435 Size: 5000  
 Execution Time => Seconds: 0 Miliseconds: 42 Microseconds: 42398 Size: 10000  
 Execution Time => Seconds: 0 Miliseconds: 160 Microseconds: 160382 Size:  
 50000 Execution Time => Seconds: 3 Miliseconds: 3762 Microseconds: 3762648  
 Size: 100000 Execution Time => Seconds: 14 Miliseconds: 14991 Microseconds:  
 14991956 Algorithm: SelectionSort Size: 500 Execution Time => Seconds: 0  
 Miliseconds: 0 Microseconds: 280 Size: 5000 Execution Time => Seconds: 0  
 Miliseconds: 24 Microseconds: 24719 Size: 10000 Execution Time => Seconds:  
 0 Miliseconds: 91 Microseconds: 91025 Size: 50000 Execution Time => Seconds:  
 2 Miliseconds: 2126 Microseconds: 2126765 Size: 100000 Execution Time =>  
 Seconds: 8 Miliseconds: 8492 Microseconds: 8492889 Algorithm: QuickSort  
 Size: 500 Execution Time => Seconds: 0 Miliseconds: 0 Microseconds: 572 Size:  
 5000 Execution Time => Seconds: 0 Miliseconds: 52 Microseconds: 52369 Size:  
 10000 Execution Time => Seconds: 0 Miliseconds: 194 Microseconds: 194086  
 Size: 50000 Execution Time => Seconds: 4 Miliseconds: 4782 Microseconds:  
 4782342 Size: 100000 Execution Time => Seconds: 19 Miliseconds: 19363  
 Microseconds: 19363119 Algorithm: MergeSort Size: 500 Execution Time =>

Seconds: 0 Miliseconds: 0 Microseconds: 25 Size: 5000 Execution Time =>  
Seconds: 0 Miliseconds: 0 Microseconds: 304 Size: 10000 Execution Time =>  
Seconds: 0 Miliseconds: 0 Microseconds: 598 Size: 50000 Execution Time =>  
Seconds: 0 Miliseconds: 3 Microseconds: 3476 Size: 100000 Execution Time =>  
Seconds: 0 Miliseconds: 7 Microseconds: 7272