Running Time for Shaker Sort (random list of size 100): 0.46299999999999997

Running Time for Shaker Sort (random list of size 1000): 353.89

Running Time for Shaker Sort (random list of size 10000):601405.0

Running Time for Shaker Sort (sorted list of size 100): 0.423

Running Time for Shaker Sort (sorted list of size 1000): 366.715

Running Time for Shaker Sort (sorted list of size 10000): 807862.0

Running Time for Shaker Sort (Reversed list of size 100): 0.492

Running Time for Shaker Sort (Reversed list of size 1000): 354.19

Running Time for Shaker Sort (Reversed list of size 10000): 318572.0

Running Time for Heap Sort (random list of size 100): 0.031

Running Time for Heap Sort (random list of size 1000): 0.196

Running Time for Heap Sort (random list of size 10000): 2.5300000000000002

Running Time for Heap Sort (random list of size 100000): 56.16

Running Time for Heap Sort (sorted list of size 100): 0.012

Running Time for Heap Sort (sorted list of size 1000): 0.148

Running Time for Heap Sort (sorted list of size 10000): 2.35

Running Time for Heap Sort (sorted list of size 100000): 27.815

Running Time for Heap Sort (Reversed sorted list of size 100): 0.007

Running Time for Heap Sort (Reversed sorted list of size 1000): 0.158

Running Time for Heap Sort (Reversed sorted list of size 10000): 2.28

Running Time for Heap Sort (Reversed sorted list of size 100000):
30.189999999999998

Running Time for Randomized Quick Sort (random list of size 100): 0.026000000000000002

Running Time for Randomized Quick Sort (random list of size 1000): 0.182

Running Time for Randomized Quick Sort (random list of size 10000): 2.1466666666666665

Running Time for Randomized Quick Sort (random list of size 100000): 29.955000000000005

Running Time for Randomized Quick Sort (sorted list of size 100): 0.013

Running Time for Randomized Quick Sort (sorted list of size 1000): 0.14800000000000002

Running Time for Randomized Quick Sort (sorted list of size 10000): 1.3133333333333332

Running Time for Randomized Quick Sort (sorted list of size 100000): 15.28

Running Time for Randomized Quick Sort (Reversed sorted list of size 100): 0.006999999999999999

Running Time for Randomized Quick Sort (Reversed sorted list of size 1000): 0.13

Running Time for Randomized Quick Sort (Reversed sorted list of size 10000): 1.3533333333333335

Running Time for Randomized Quick Sort (Reversed sorted list of size 100000): 15.32

Running Time for Comb Sort (random list of size 100): 0.017

Running Time for Comb Sort (random list of size 1000): 0.116

Running Time for Comb Sort (random list of size 10000): 2.54

Running Time for Comb Sort (random list of size 100000): 39.86

Running Time for Comb Sort (sorted list of size 100): 0.004

Running Time for Comb Sort (sorted list of size 1000): 0.045999999999999999

Running Time for Comb Sort (sorted list of size 10000): 0.69

Running Time for Comb Sort (sorted list of size 100000): 9.45

Running Time for Comb Sort (Reversed sorted list of size 100): 0.002999999999999999

Running Time for Comb Sort (Reversed sorted list of size 1000): 0.058

Running Time for Comb Sort (Reversed sorted list of size 10000): 0.7700000000000001

Running Time for Comb Sort (Reversed sorted list of size 100000): 11.92

Running Time for iterative Merge Sort (random list of size 100): 0.019000000000000003

Running Time for iterative Merge Sort (random list of size 1000): 0.162

Running Time for iterative Merge Sort (random list of size 10000): 2.1

Running Time for iterative Merge Sort (random list of size 100000): 30.819999999999997

Running Time for iterative Merge Sort (sorted list of size 100): 0.004999999999999999

Running Time for iterative Merge Sort (sorted list of size 1000): 0.11

Running Time for iterative Merge Sort (sorted list of size 10000): 1.1933333333333334

Running Time for iterative Merge Sort (sorted list of size 100000): 12.915

Running Time for iterative Merge Sort (Reversed sorted list of size 100): 0.006

Running Time for iterative Merge Sort (Reversed sorted list of size 1000): 0.10600000000000001

Running Time for iterative Merge Sort (Reversed sorted list of size 10000): 1.24

Running Time for iterative Merge Sort (Reversed sorted list of size 100000): 13.255000000000003

Running Time for Hybrid Sort (random list of size 100): 0.013999999999999999

Running Time for Hybrid Sort (random list of size 1000): 0.12000000000000001

Running Time for Hybrid Sort (random list of size 10000): 1.6

Running Time for Hybrid Sort (random list of size 100000): 25.965000000000003

Running Time for Hybrid Sort (sorted list of size 100): 0.001

Running Time for Hybrid Sort (sorted list of size 1000): 0.052

Running Time for Hybrid Sort (sorted list of size 10000): 0.5866666666666667

Running Time for Hybrid Sort (sorted list of size 100000): 8.675

Running Time for Hybrid Sort (Reversed sorted list of size 100): 0.004999999999999999

Running Time for Hybrid Sort (Reversed sorted list of size 1000): 0.066

Running Time for Hybrid Sort (Reversed sorted list of size 10000): 0.8566666666666667

Running Time for Hybrid Sort (Reversed sorted list of size 100000): 8.524999999999999

Running Time for Bucket Sort (random list of size 100): 0.034999999999999996

Running Time for Bucket Sort (random list of size 1000): 0.118

Running Time for Bucket Sort (random list of size 10000): 18.73

Running Time for Bucket Sort (random list of size 100000): 32436.0

Running Time for Bucket Sort (sort list of size 100): 0.002999999999999999

Running Time for Bucket Sort (sorted list of size 1000): 0.038000000000000006

Running Time for Bucket Sort (sorted list of size 10000): 0.18499999999999994

Running Time for Bucket Sort (sorted list of size 100000): 41302.0

Running Time for Bucket Sort (reverse list of size 100): 0.002

Running Time for Bucket Sort (reverse list of size 1000): 0.016

Running Time for Bucket Sort (reverse list of size 10000): 0.20999999999999996

Running Time for Bucket Sort (reverse list of size 100000): 3.0

Running Time for Radix Sort (random list of size 100): 0.054

Running Time for Radix Sort (random list of size 1000): 0.108

Running Time for Radix Sort (random list of size 10000): 0.585

Running Time for Radix Sort (random list of size 100000): 5.73

Running Time for Radix Sort (sort list of size 100): 0.016

Running Time for Radix Sort (sorted list of size 1000): 0.032

Running Time for Radix Sort (sorted list of size 10000): 0.72

Running Time for Radix Sort (sorted list of size 100000): 0.8499999999999996

Running Time for Radix Sort (reverse list of size 100): 0.002

Running Time for Radix Sort (reverse list of size 1000): 0.016

Running Time for Radix Sort (reverse list of size 10000): 0.08500000000000008

Running Time for Radix Sort (reverse list of size 100000): 5.729999999999999