AlgorithmSortQuick

test4\_50000\_100000.txt

the array sortQuick is created

Result: 100093

Duration(sec): 0.359, 0.365, 0.37, 0.366 Ort: 0.365

test4\_100000\_200000.txt

the array sortQuick is created

Result: 200186

Duration(sec): 0.706, 0.747, 0.744, 0.722 Ort: 0.73

test4\_150000\_300000.txt

the array sortQuick is created

Result: 299983

Duration(sec): 1.149, 1.13, 1.114, 1.148 Ort: 1.135

test4\_200000\_400000.txt

the array sortQuick is created

Result: 400330

Duration(sec): 1.458, 1.475, 1.55, 1.463 Ort: 1.487

test4\_250000\_500000.txt

the array sortQuick is created

Result: 499134

Duration(sec): 1.816, 1.861, 1.806, 1.903 Ort: 1.847

test4\_300000\_600000.txt

the array sortQuick is created

Result: 599445

Duration(sec): 2.214, 2.236, 2.284, 2.225 Ort: 2.24

test4\_350000\_700000.txt

the array sortQuick is created

Result: 700814

Duration(sec): 2.57, 2.684, 2.686, 2.698 Ort: 2.66

test4\_400000\_800000.txt

the array sortQuick is created

Result: 799307

Duration(sec): 2.944, 3.057, 3.02, 3.053 Ort: 3.019

test4\_450000\_900000.txt

the array sortQuick is created

Result: 899426

Duration(sec): 3.327, 3.456, 3.428, 3.436 Ort: 3.412

test4\_500000\_1000000.txt

the array sortQuick is created

Result: 999709

Duration(sec): 3.725, 3.798, 3.847, Ort: 3.79

AlgorithmSortHeap

test4\_50000\_100000.txt

the array sortHeap is created

Result: 100088

Duration(sec): 0.38, 0.388, 0.35, 0.365 Ort: 0.371

test4\_100000\_200000.txt

the array sortHeap is created

Result: 200186

Duration(sec): 0.717, 0.767, 0.728, 0.757 Ort: 0.742

test4\_150000\_300000.txt

the array sortHeap is created

Result: 299983

Duration(sec): 1.101, 1.106, 1.13, 1.104 Ort: 1.110

test4\_200000\_400000.txt

the array sortHeap is created

Result: 400329

Duration(sec): 1.443, 1.45, 1.566, 1.548 Ort: 1.502

test4\_250000\_500000.txt

the array sortHeap is created

Result: 499134

Duration(sec): 1.823, 1.928, 1.828, 1.93 Ort: 1.877

test4\_300000\_600000.txt

the array sortHeap is created

Result: 599445

Duration(sec): 2.266, 2.419, 2.321, 2.258 Ort: 2.316

test4\_350000\_700000.txt

the array sortHeap is created

Result: 700814

Duration(sec): 2.617, 2.674, 2.696, 2.694 Ort: 2.67

test4\_400000\_800000.txt

the array sortHeap is created

Result: 799306

Duration(sec): 2.98, 3.021, 3.056, 3.108 Ort: 3.041

test4\_450000\_900000.txt

the array sortHeap is created

Result: 899426

Duration(sec): 3.368, 3.509, 3.449, 3.391 Ort: 3.43

test4\_500000\_1000000.txt

the array sortHeap is created

Result: 999708

Duration(sec): 3.744, 3.833, 3.812, 3.825 Ort: 3.804

AlgorithmSortK

test4\_50000\_100000.txt

the array sortK is created

Result: 100088

Duration(sec): 2.903, 3.055, 3.074, 3.002 Ort: 3.009

test4\_100000\_200000.txt

the array sortK is created

Result: 200186

Duration(sec): 12.033, 12.721, 11.701, 10.99 Ort: 11.861

test4\_150000\_300000.txt

the array sortK is created

Result: 299983

Duration(sec): 27.311, 27.496, 30.539, 28.813 Ort: 28.54

test4\_200000\_400000.txt

the array sortK is created

Result: 400329

Duration(sec): 51.382, 56.734, 46.237, 57.572, 57.649, 48.278 Ort: 52.975

test4\_250000\_500000.txt

the array sortK is created

Result: 499134

Duration(sec): 79.868, 75.272, 87.238, 80.313 Ort: 80.67

test4\_300000\_600000.txt

the array sortK is created

Result: 599445

Duration(sec): 118.252, 120.298, 124.064, 121.733 Ort: 121.087

test4\_350000\_700000.txt

the array sortK is created

Result: 700814

Duration(sec): 165.155, 164.461, 163.221, 164.013 Ort: 164.21

test4\_400000\_800000.txt

the array sortK is created

Result: 799306

Duration(sec): 230.073, 224.317

test4\_450000\_900000.txt

the array sortK is created

Result: 899426

Duration(sec): 277.979, 277.918

test4\_500000\_1000000.txt

the array sortK is created

Result: 999708

Duration(sec): 347.643, 335.943

AlgorithmSortAll

test4\_50000\_100000.txt

the array sortAll is created

Result: 100088

Duration(sec): 5.486, 4.627, 5.381, 4.525

test4\_100000\_200000.txt

the array sortAll is created

Result: 200186

Duration(sec): 23.727, 22.793, 21.911, 22.333

test4\_150000\_300000.txt

the array sortAll is created

Result: 299983

Duration(sec): 48.191, 48.66, 49.809, 44.459

test4\_200000\_400000.txt

the array sortAll is created

Result: 400329

Duration(sec): 107.871, 91.868, 83.5, 86.431

test4\_250000\_500000.txt

the array sortAll is created

Result: 499134

Duration(sec): 128.083, 135.298, 135.906, 146.76

test4\_300000\_600000.txt

the array sortAll is created

Result: 599445

Duration(sec): 190.421, 212.105

test4\_350000\_700000.txt

the array sortAll is created

Result: 700814

Duration(sec): 273.846

test4\_400000\_800000.txt

the array sortAll is created

Result: 799306

Duration(sec): 348.452

test4\_450000\_900000.txt

the array sortAll is created

Result: 899426

Duration(sec): 474.649,

test4\_500000\_1000000.txt

the array sortAll is created

Result: 999708

Duration(sec): 566.077, 579.449

Heap

1m 🡪 4.026, 4.063, 3.98, 4.068 Ort: 4.034

2m 🡪 7.681, 7.77, 7.819, 7.693 Ort: 7.74

3m 🡪 11.627, 11.642, 11.79, 11.766 Ort: 11.706

4m 🡪 16.238, 15.036, 15.271, 15.313 Ort: 15.465

5m 🡪 19.481, 19.376, 19.652, 19.649 Ort: 19.54

Quick

1m 🡪 3.918, 3.705, 3.836, 3.779 Ort: 3.81

2m 🡪 7.58, 7.594, 7.612, 7.618 Ort: 7.601

3m 🡪 11.415, 11.493, 11.456, 11.368 Ort: 11.433

4m 🡪 15.112, 15.556, 15.89, 15.802 Ort: 15.59

5m 🡪 19.486, 19.238, 19.366, 19.42 Ort: 19.38