

shellSortSedgewickSequence

No input sizes provided. Using default sizes: 100, 1000, 10000

Running benchmark for size: 100

Size: 100

Execution time: 375791 ns

Comparisons: 2635

Swaps: 2815

Array accesses: 2995

Running benchmark for size: 1000

Size: 1000

Execution time: 4212292 ns

Comparisons: 240557

Swaps: 243923

Array accesses: 247289

Running benchmark for size: 10000

Size: 10000

Execution time: 29100042 ns

Comparisons: 24936330

Swaps: 24984606

Array accesses: 25032882

shellSortKnuthSequence

No input sizes provided. Using default sizes: 100, 1000, 10000

Running benchmark for size: 100

Size: 100

Execution time: 512417 ns

Comparisons: 2349

Swaps: 2791

Array accesses: 3233

Running benchmark for size: 1000

Size: 1000

Execution time: 5003250 ns

Comparisons: 248960

Swaps: 255417

Array accesses: 261874

Running benchmark for size: 10000

Size: 10000

Execution time: 29925041 ns

Comparisons: 25048113

Swaps: 25133197

Array accesses: 25218281

`shellSortShellSequence`

No input sizes provided. Using default sizes: 100, 1000, 10000

Running benchmark for size: 100

Size: 100

Execution time: 231500 ns

Comparisons: 423

Swaps: 926

Array accesses: 1429

Running benchmark for size: 1000

Size: 1000

Execution time: 902291 ns

Comparisons: 7346

Swaps: 15352

Array accesses: 23358

Running benchmark for size: 10000

Size: 10000

Execution time: 5836250 ns

Comparisons: 137467

Swaps: 257472

Array accesses: 377477

| Сравнение производительности: | | | | | |
|--------------------------------|----------------|------------------|-----------|----------|----------|
| Алгоритм | Размер массива | Время выполнения | Сравнений | Обменов | Доступов |
| ShellSort (Shell Sequence) | 100 | 375791 нс | 2635 | 2815 | 2995 |
| ShellSort (Shell Sequence) | 1000 | 4212292 нс | 240557 | 243923 | 247289 |
| ShellSort (Shell Sequence) | 10000 | 29100042 нс | 24936330 | 24984606 | 25032882 |
| ShellSort (Knuth Sequence) | 100 | 512417 нс | 2349 | 2791 | 3233 |
| ShellSort (Knuth Sequence) | 1000 | 5003250 нс | 248960 | 255417 | 261874 |
| ShellSort (Knuth Sequence) | 10000 | 29925041 нс | 25048113 | 25133197 | 25218281 |
| ShellSort (Sedgewick Sequence) | 100 | 231500 нс | 423 | 926 | 1429 |
| ShellSort (Sedgewick Sequence) | 1000 | 902291 нс | 7346 | 15352 | 23358 |
| ShellSort (Sedgewick Sequence) | 10000 | 5836250 нс | 137467 | 257472 | 377477 |



