

"C:\Program Files\Java\jdk1.8.0_241\bin\java.exe" "-ja

Max number of threads == 16

Benchmark with origin array's size: 1000000, rounds: 5

1 Thread:

1000000 elements	=>	320 ms
2000000 elements	=>	919 ms
4000000 elements	=>	1117 ms
8000000 elements	=>	4082 ms
16000000 elements	=>	8184 ms

2 Threads:

1000000 elements	=>	185 ms
2000000 elements	=>	373 ms
4000000 elements	=>	705 ms
8000000 elements	=>	1568 ms
16000000 elements	=>	4612 ms

4 Threads:

1000000 elements	=>	180 ms
2000000 elements	=>	326 ms
4000000 elements	=>	801 ms
8000000 elements	=>	3513 ms
16000000 elements	=>	8240 ms

8 Threads:

1000000 elements	=>	140 ms
2000000 elements	=>	372 ms
4000000 elements	=>	739 ms
8000000 elements	=>	1760 ms
16000000 elements	=>	8303 ms

16 Threads:

1000000 elements	=>	135 ms
2000000 elements	=>	412 ms
4000000 elements	=>	814 ms
8000000 elements	=>	1732 ms
16000000 elements	=>	8247 ms

Process finished with exit code 0