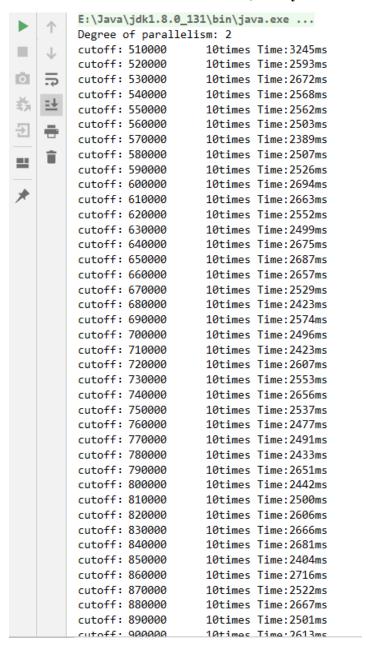
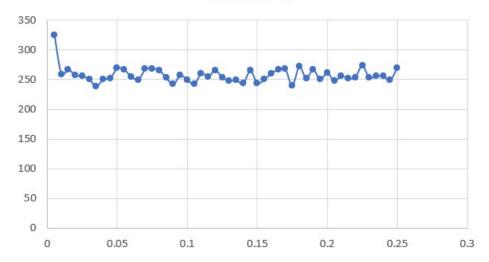
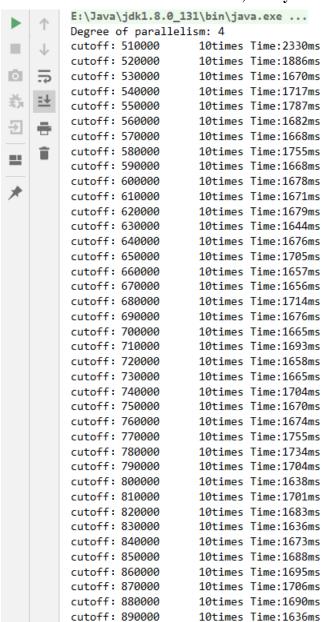
1. The number of available threads: 2; Array size: 2000000; Sorted 10 times

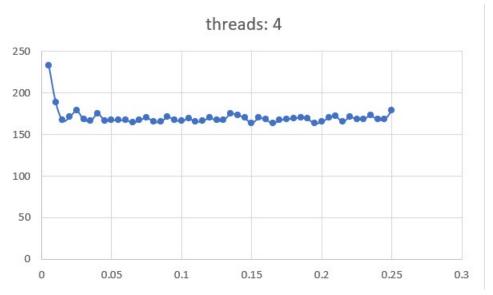


threads: 2

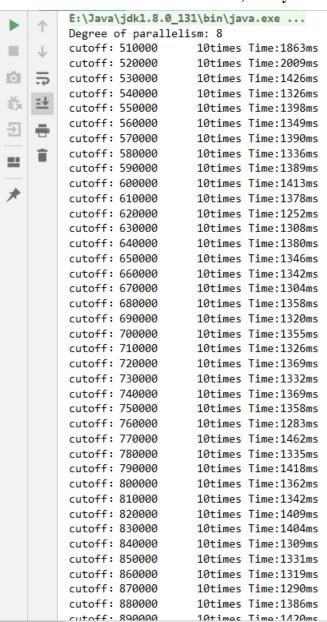


2. The number of available threads: 4; Array size: 2000000; Sorted 10 times

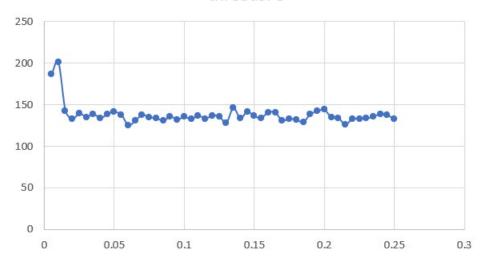




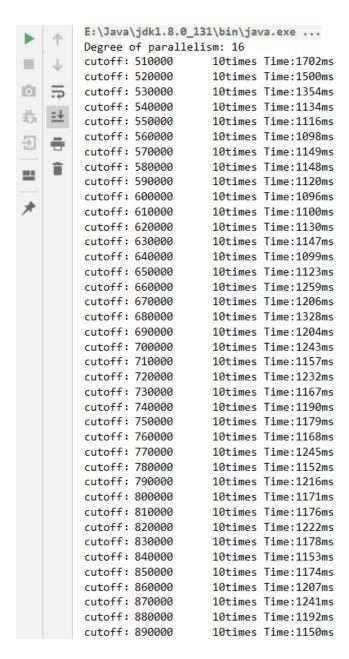
3. The number of available threads: 8; Array size: 2000000; Sorted 10 times



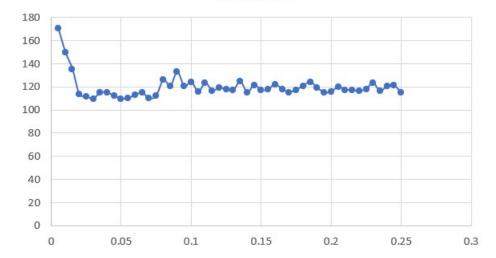




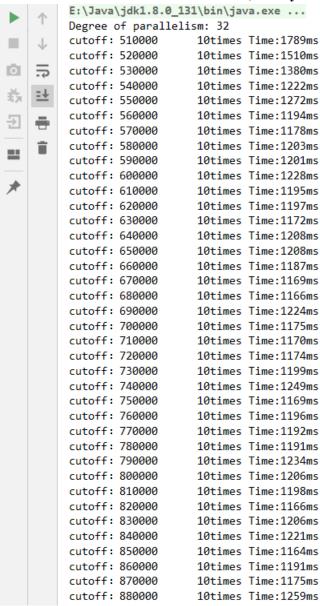
4. The number of available threads: 16; Array size: 2000000; Sorted 10 times



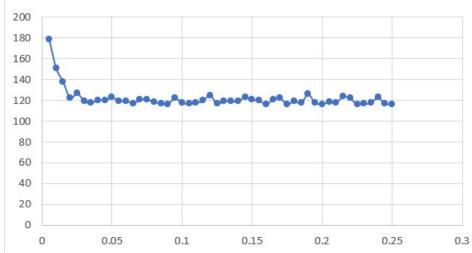
threads: 16



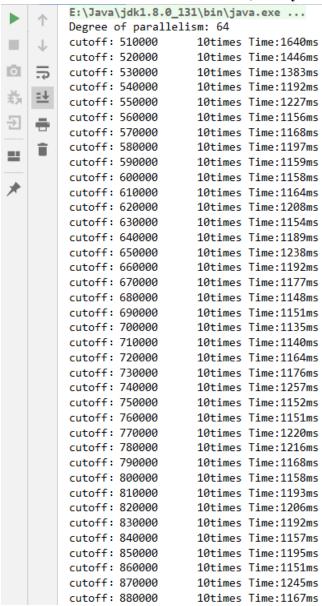
5. The number of available threads: 32; Array size: 2000000; Sorted 10 times



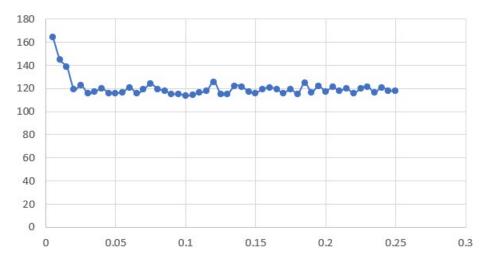




6. The number of available threads: 64; Array size: 2000000; Sorted 10 times



threads: 64



Conclusion: An ideal cutoff value is 550000 with array size 2000000. It seems that we should set the cutoff value equals to (25.5% * array size). When the size of thread pool is 16, the sorting algorithm shows the highest efficiency.