

## COMP 272 Homework 7 Algorithm Metrics

Algorithm 1 runtime: 826 ms

Algorithm 2 runtime: 4007 ms

Algorithm 3 runtime: 573 ms

Conclusion:

Algorithm 3 is the fastest algorithm in terms of runtime in milliseconds.

```
"C:\Program Files\Java\jdk-11.0.11\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Commun
Algorithm 1 kth largest number: 9999997
Algorithm 2 kth largest number: 9000116
Algorithm 3 kth largest number: 9999997
Algorithm 1 total run time: 826 ms
Algorithm 2 total run time: 4007 ms
Algorithm 3 total run time: 573 ms

Process finished with exit code 0
```