```
1 /Users/Aashay/Library/Java/JavaVirtualMachines/
  openjdk-19.0.2/Contents/Home/bin/java -javaagent:/
  Applications/IntelliJ IDEA CE.app/Contents/lib/
  idea_rt.jar=54072:/Applications/IntelliJ IDEA CE.
  app/Contents/bin -Dfile.encoding=UTF-8 -Dsun.stdout
  .encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -
  classpath /Users/Aashay/Desktop/Spring2023/PSA/
  INFO6205/target/classes:/Users/Aashay/.m2/
  repository/com/phasmidsoftware/args_2.13/1.0.3/
  args_2.13-1.0.3.jar:/Users/Aashay/.m2/repository/
  org/scala-lang/scala-library/2.13.7/scala-library-2
  .13.7.jar:/Users/Aashay/.m2/repository/org/scala-
  lang/modules/scala-parser-combinators_2.13/1.1.2/
  scala-parser-combinators_2.13-1.1.2.jar:/Users/
  Aashay/.m2/repository/org/apache/logging/log4j/
  log4j-api/2.19.0/log4j-api-2.19.0.jar:/Users/Aashay
  /.m2/repository/log4j/log4j/1.2.17/log4j-1.2.17.jar
  :/Users/Aashay/.m2/repository/com/google/guava/
  quava/31.1-jre/quava-31.1-jre.jar:/Users/Aashay/.m2
  /repository/com/google/guava/failureaccess/1.0.1/
  failureaccess-1.0.1.jar:/Users/Aashay/.m2/
  repository/com/google/guava/listenablefuture/9999.0
  -empty-to-avoid-conflict-with-quava/
  listenablefuture-9999.0-empty-to-avoid-conflict-
  with-quava.jar:/Users/Aashay/.m2/repository/com/
  google/code/findbugs/jsr305/3.0.2/jsr305-3.0.2.jar
  :/Users/Aashay/.m2/repository/org/checkerframework/
  checker-qual/3.12.0/checker-qual-3.12.0.jar:/Users/
  Aashay/.m2/repository/com/google/errorprone/
  error_prone_annotations/2.11.0/
  error_prone_annotations-2.11.0.jar:/Users/Aashay/.
  m2/repository/com/google/j2objc/j2objc-annotations/
  1.3/j2objc-annotations-1.3.jar:/Users/Aashay/.m2/
  repository/org/ini4j/ini4j/0.5.4/ini4j-0.5.4.jar
  edu.neu.coe.info6205.sort.par.Main
2 Degree of parallelism: 7
3 Number of threads4
4 cutoff: 40000
                      10times Time: 1690ms
                      10times Time: 1206ms
5 cutoff: 60000
6 cutoff: 80000
                      10times Time:1158ms
7 cutoff: 100000
                      10times Time:1157ms
```

```
10times Time:1174ms
 8 cutoff: 120000
 9 cutoff: 140000
                        10times Time:1164ms
                        10times Time:1168ms
10 cutoff: 160000
11 cutoff: 180000
                        10times Time:1145ms
12 cutoff: 200000
                        10times Time:1153ms
                        10times Time:1145ms
13 cutoff: 220000
14 cutoff: 240000
                        10times Time:1148ms
15 cutoff: 260000
                        10times Time: 1276ms
                        10times Time: 1429ms
16 cutoff: 280000
                        10times Time:1435ms
17 cutoff: 300000
18 cutoff: 320000
                        10times Time: 1303ms
19 cutoff: 340000
                        10times Time:1214ms
                        10times Time:1228ms
20 cutoff: 360000
21 cutoff: 380000
                        10times Time: 1217ms
22 cutoff: 400000
                        10times Time:1202ms
23 cutoff: 420000
                        10times Time:1199ms
                        10times Time: 1250ms
24 cutoff: 440000
25 cutoff: 460000
                        10times Time:1196ms
                        10times Time:1201ms
26 cutoff: 480000
27 cutoff: 500000
                        10times Time:1199ms
                        10times Time: 1229ms
28 cutoff: 520000
29 cutoff: 540000
                        10times Time: 1333ms
                        10times Time: 1300ms
30 cutoff: 560000
31 cutoff: 580000
                        10times Time:1311ms
                        10times Time: 1345ms
32 cutoff: 600000
                        10times Time:1429ms
33 cutoff: 620000
34 cutoff: 640000
                        10times Time:1376ms
35 cutoff: 660000
                        10times Time:1277ms
36 cutoff: 680000
                        10times Time:1274ms
37 cutoff: 700000
                        10times Time: 1344ms
38 cutoff: 720000
                        10times Time: 1383ms
39
40 Process finished with exit code 0
41
```