|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Selection  Sort | Heap  Sort | Quick  Sort | Cstdlib  qsort | C++ STL  Sort |
| 100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 500 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 1000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 5000 | 0.016 | 0.001 | 0.000 | 0.000 | 0.001 |
| 10000 | 0.042 | 0.001 | 0.001 | 0.001 | 0.001 |
| 50000 | 1.356 | 0.003 | 0.005 | 0.002 | 0.017 |
| 100000 | 5.388 | 0.032 | 0.010 | 0.016 | 0.016 |
| 500000 | 215.012 | 0.126 | 0.047 | 0.082 | 0.078 |
| 1000000 | 852.4940 | 0.271 | 0.105 | 0.161 | 0.157 |
| 5000000 | 21553.094 | 2.024 | 0.607 | 0.903 | 0.893 |

**Data Structure Homework 7**

**B093040044 蔡明軒**

單位:秒 TLE TIME:3min

CPU: AMD Ryzen 4800HS(8C16T) 2.9GHz

RAM:8G\*2

System: Window 10 Home

Compiler: MinGW32-g++(9.2.0-2)