資料結構作業七實驗報告

B053040044

(1)電腦執行環境:

CPU:AMD Ryzen 7 1700@ 3.2GHz

記憶體: 8GB\*2

作業系統: Windows 10 64-bit

編譯器名稱及版本: Visual Studio 2012

(2)大量資料測試之結果

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 資料量 | Selection | Heap | Quick | C qsort | C++ sort |
| 100 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 500 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 1000 | 0.002 | <0.001 | <0.001 | <0.001 | <0.001 |
| 5000 | 0.032 | 0.001 | 0.001 | 0.001 | 0.001 |
| 10000 | 0.130 | 0.0052 | 0.001 | 0.002 | 0.001 |
| 50000 | 3.072 | 0.014 | 0.016 | 0.007 | 0.008 |
| 100000 | 12.845 | 0.211 | 0.066 | 0.058 | 0.135 |
| 500000 | TLE | 1.277 | 0.348 | 0.305 | 0.703 |