|  |  |  |
| --- | --- | --- |
| Method/file name | StudentListHalf | StudentList |
| Sort() | 2.181530 sec | 8.950120 sec |
| Qsort() | 0.000326 sec | 0.000801 sec |

In my opinion the computation complexity of method Sort() is O(n^2) . Because as we can see from the table , when we increased number of elements in 2 times , time of execution increased in approximately 4 time. Also because I used Bubble sort algorithm in implementing sort() method , we can know for sure complexity of this method.

The complexity of qsort() method is O(n). Because as we can see from the table , time of execution over twice bigger list increased proportionally. From almost 0,0004 to 0,0008 sec.