Activity 1. [Bubble Algorithm]

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **T ordered** | **T reverse** | **T random** |
| 10000 | 292 | 1432 | 962 |
| 2\*10000 | 1137 | 5635 | 3957 |
| 2\*\*2\*10000 | 4653 | 22709 | 15406 |
| 2\*\*3\*10000 | 18501 | 89097 | 61545 |
| 2\*\*4\*10000 | 74007 | OoT | OoT |

Activity 2. [Selection Algorithm]

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **T ordered** | **T reverse** | **T random** |
| 10000 | 299 | 268 | 290 |
| 2\*10000 | 1201 | 1078 | 1138 |
| 2\*\*2\*10000 | 4793 | 4330 | 4671 |
| 2\*\*3\*10000 | 18704 | 17138 | 18604 |
| 2\*\*4\*10000 | 73677 | 68651 | 74102 |

Activity 3. [Insertion Algorithm]

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **T ordered** | **T reverse** | **T random** |
| 10000 | LoR | 274 | 151 |
| 2\*10000 | LoR | 1110 | 594 |
| 2\*\*2\*10000 | LoR | 4346 | 2221 |
| 2\*\*3\*10000 | LoR | 17498 | 8702 |
| 2\*\*4\*10000 | LoR | 69877 | 54898 |
| 2\*\*5\*10000 | LoR | OoT | OoT |
| 2\*\*6\*10000 | LoR | OoT | OoT |
| 2\*\*7\*10000 | LoR | OoT | OoT |
| 2\*\*8\*10000 | LoR | OoT | OoT |
| 2\*\*9\*10000 | LoR | OoT | OoT |
| 2\*\*10\*10000 | 54 | OoT | OoT |
| 2\*\*11\*10000 | 107 | OoT | OoT |
| 2\*\*12\*10000 | 195 | OoT | OoT |
| 2\*\*13\*10000 | 403 | OoT | OoT |

Activity 4. [Quicksort Algorithm]

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **T ordered** | **T reverse** | **T random** |
| 10000 | LoR | LoR | LoR |
| 2\*10000 | LoR | LoR | LoR |
| 2\*\*2\*10000 | LoR | LoR | LoR |
| 2\*\*3\*10000 | LoR | LoR | LoR |
| 2\*\*4\*10000 | LoR | LoR | 55 |
| 2\*\*5\*10000 | LoR | LoR | 113 |
| 2\*\*6\*10000 | 94 | 96 | 243 |