Christopher Elliott

Comp 363

Dr. Sekharan

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“Heaps”

|  |  |  |
| --- | --- | --- |
| [milliseconds] | MergeHeap1() | MergeHeap2() |
| 10 Million | 2469 | 2610 |
| 20 Million | 5495 | 6667 |
| 30 Million | 8201 | 9759 |
| 40 Million | 11935 | 13028 |

MergeHeap1() Time Complexity – O(nlogn) [faster because it does less sorting than MergeHeap2()]

MergeHeap2() Time Complexity – O(nlogn)