

Report: Short Project 1

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1 Merge Sort

Running time of generic merge sort, int merge sort and nSquareSort on array with size from 1 million to 16 million is listed in table 1, all running time are in milliseconds.

Table 1: Running Time Comparison

Array Size	Generic Merge Sort	Int Merge Sort	N-Square Sort
1M	1	2	3
2M	1	2	3
3M	1	2	3
4M	1	2	3
5M	1	2	3
6M	1	2	3
7M	1	2	3
8M	1	2	3
9M	1	2	3
10M	1	2	3
11M	1	2	3
12M	1	2	3
13M	1	2	3
14M	1	2	3
15M	1	2	3
16M	1	2	3

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