

Short Project 3: MergeSort Optimization
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The following are the values obtained from running the merge sort for the following number of observations:

Run-time Analysis:

Take: 2

	16M	32M	64M	128M
Time	7471 msec	13235 msec	27890 msec	58417 msec.
Memory	243 MB / 302 MB	394 MB / 626 MB	686 MB / 823 MB	996 MB / 1292 MB

Take: 3

	16M	32M	64M	128M
Time	5753 msec	12057 msec	27951 msec	60208 msec.
Memory	440 MB / 739 MB	647 MB / 1123 MB	862 MB / 1428 MB	1059 MB / 1217 MB.

Take: 4

	16M	32M	64M	128M
Time	6288 msec	13208 msec	28477 msec	55943 msec
Memory	563 MB / 911 MB	778 MB / 1145 MB	875 MB / 1423 MB	1455 MB / 1820 MB

Take: 6

	16M	32M	64M	128M
Time	5100 msec	12293 msec	22624msec	47132 msec
Memory	347 MB / 1044 MB	629 MB / 1114 MB	714MB / 1402MB	1172 MB / 1847 MB