Assignment 2

Testing sorting 100000 random numbers for 100 times, average time as below:

Algorithsm Avg time(ms)

Mergesort 71

Quicksort 50

Heapsort 75

dual-pivot 70

Avg time(ms) | 4 6 8 10

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Mergesort 140 148 161 143

Quicksort 130 112 117 117

Heapsort 214 206 199 209

dual-pivot 139 124 136 125

Radixsort 90 153 247 244