

GIT Department of Computer Engineering

CSE 222/505 - Spring 2020

Homework #6 Part 2 Report

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TEST CASES

TEST ID	Scenario	Test Data	Expected Results	Actual Results	Pass/Fail
TEST01	MergeSortLinkedList()	Unsorted array	Successfully Sorted	As Expected	Pass
TEST02	QuickSortLinkedList()	Unsorted array	Successfully Sorted	As Expected	Pass
TEST03	MergeSortLinkedList()	sorted array	Successfully Sorted	As Expected	Pass
TEST04	QuickSortLinkedList()	sorted array	Successfully Sorted	As Expected	Pass

RUNNING AND RESULTS

TEST01

Before use MergeSortLinkedList on arr2: 10, 9, 8, 7, 6, 5, 4, 3, 2, 1,

After use MergeSortLinkedList on arr2: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

TEST02

Before use QuickSortLinkedList on arr3: 10, 9, 8, 7, 6, 5, 4, 3, 2, 1,

After use QuickSortLinkedList on arr3: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

TEST03

Before use MergeSortLinkedList on arr1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

After use MergeSortLinkedList on arr1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

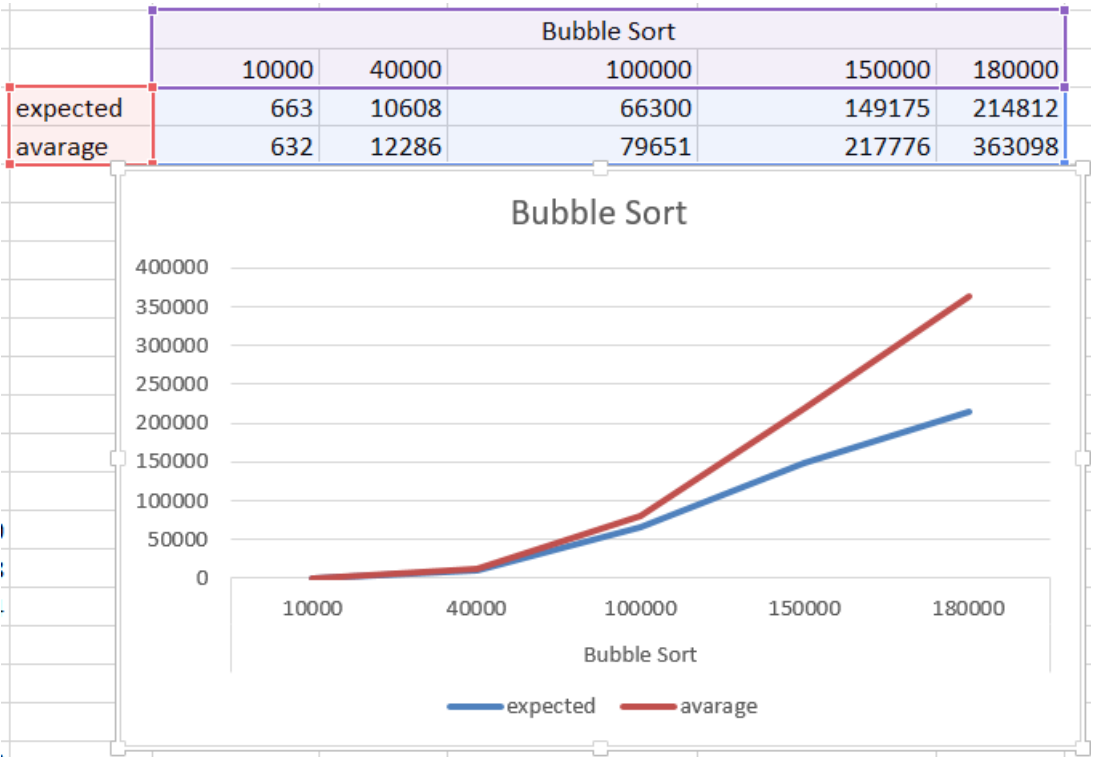
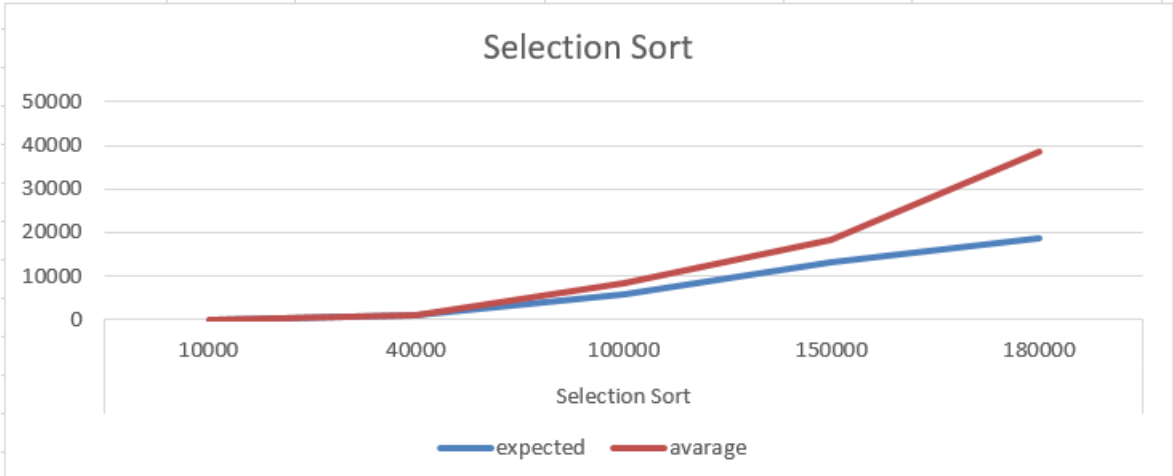
TEST04

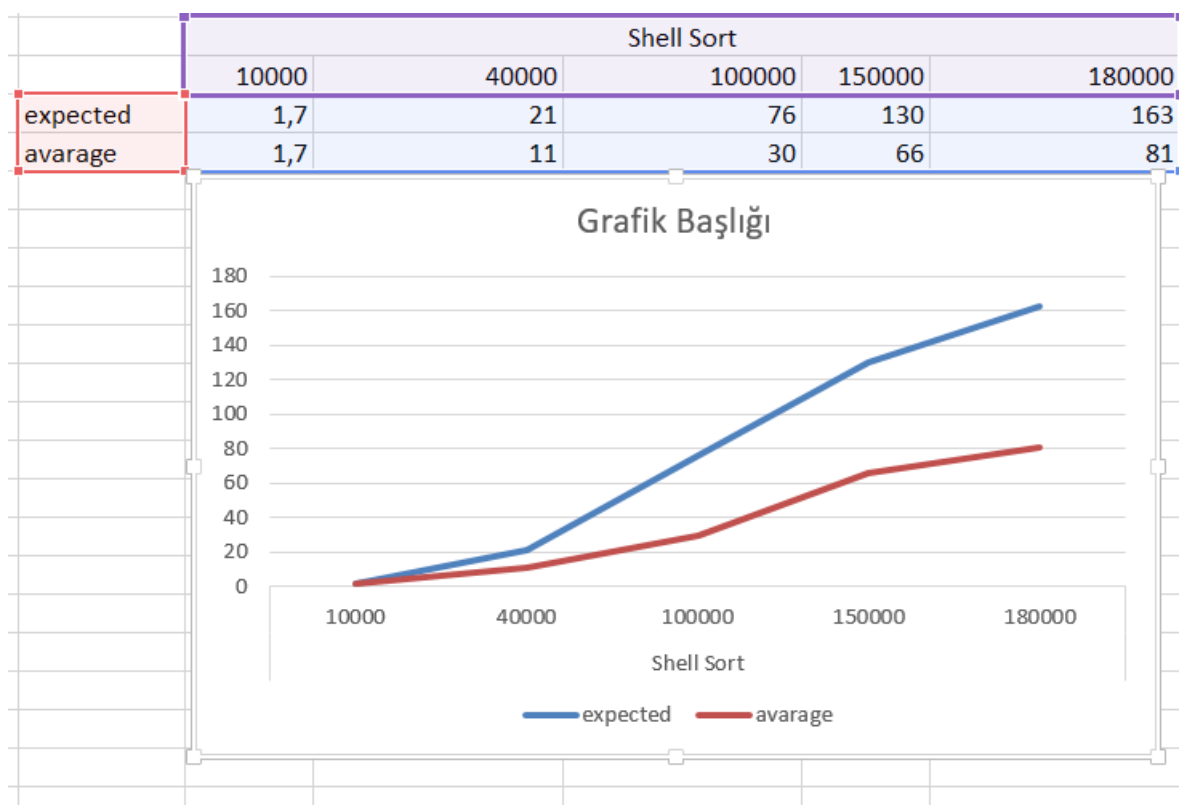
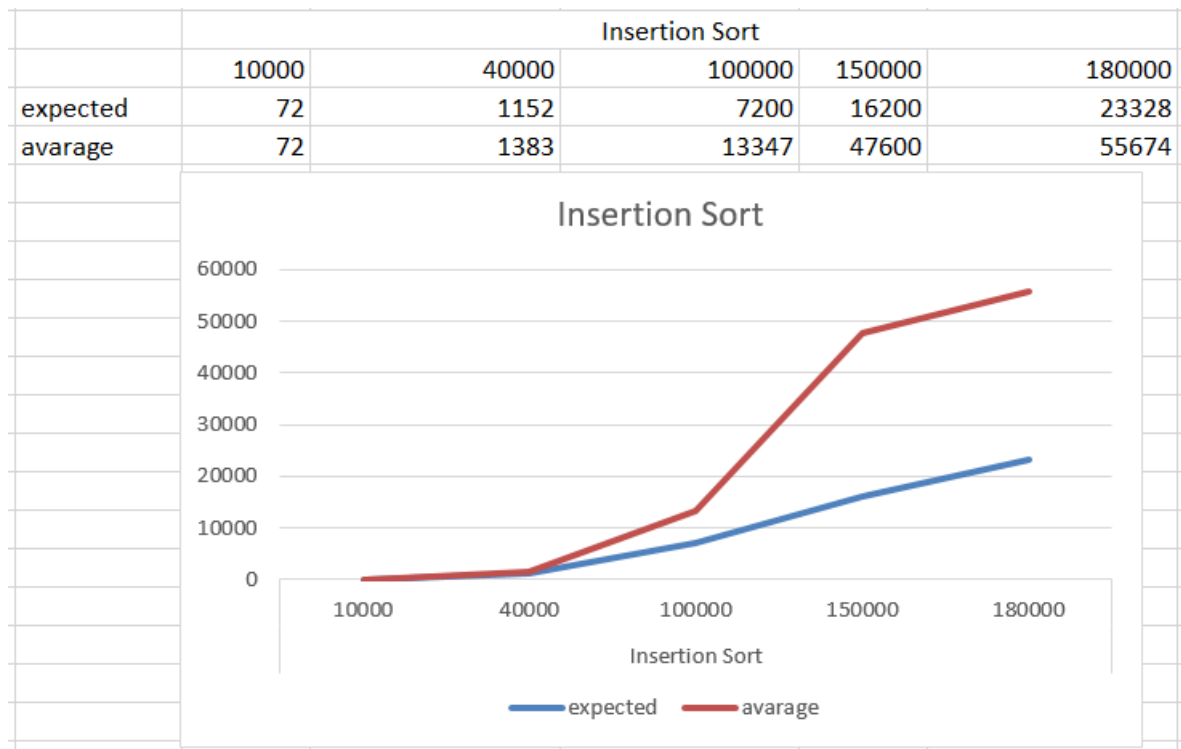
Before use QuickSortLinkedList on arr1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

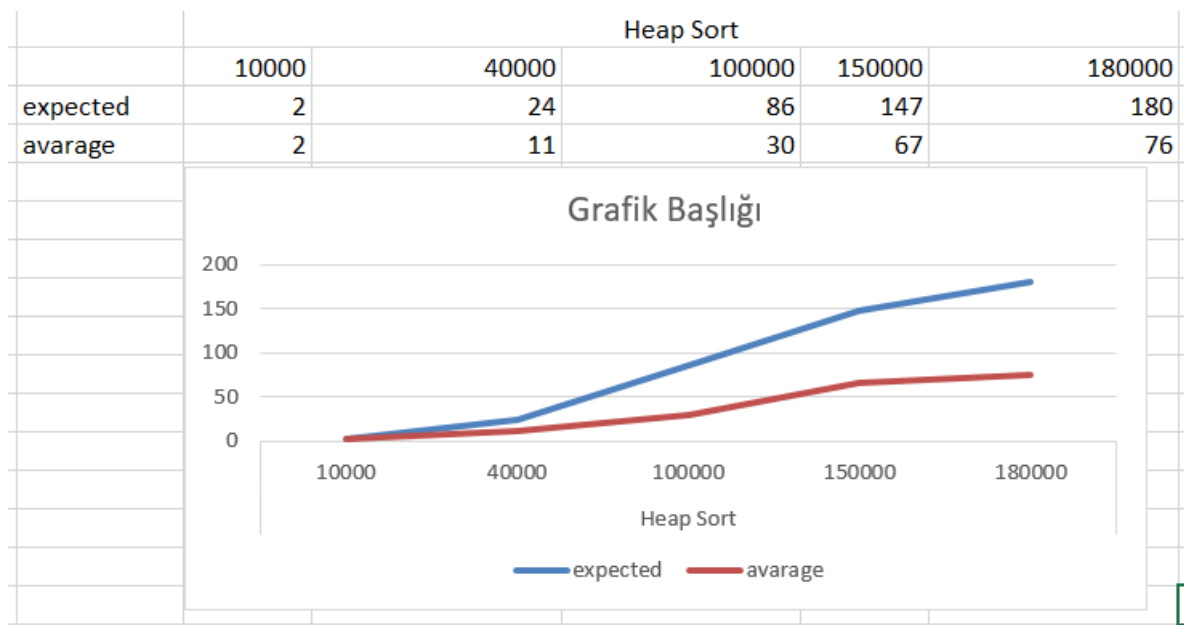
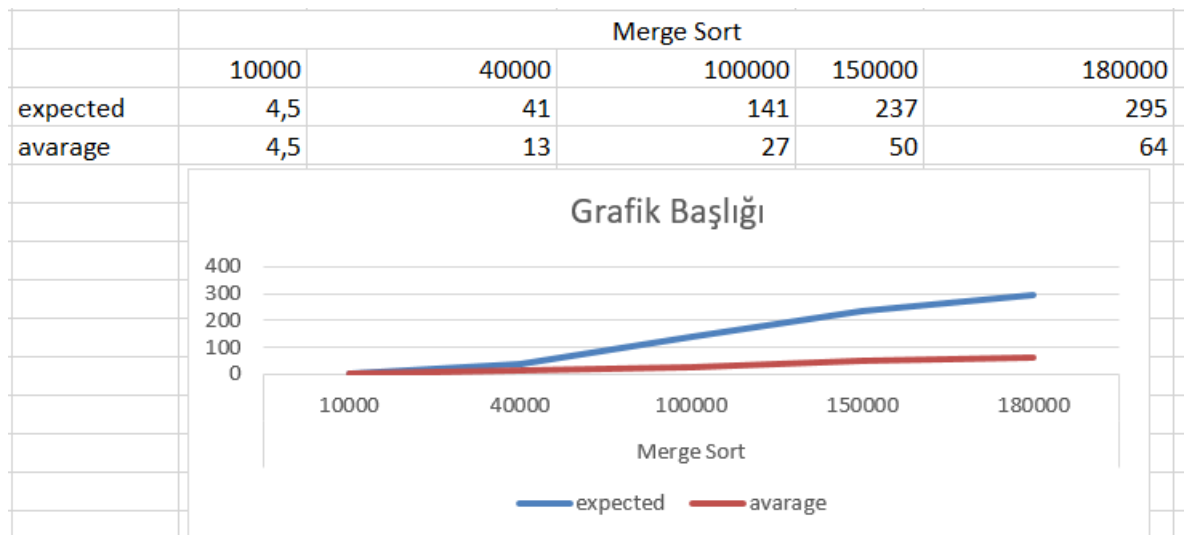
After use QuickSortLinkedList on arr1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

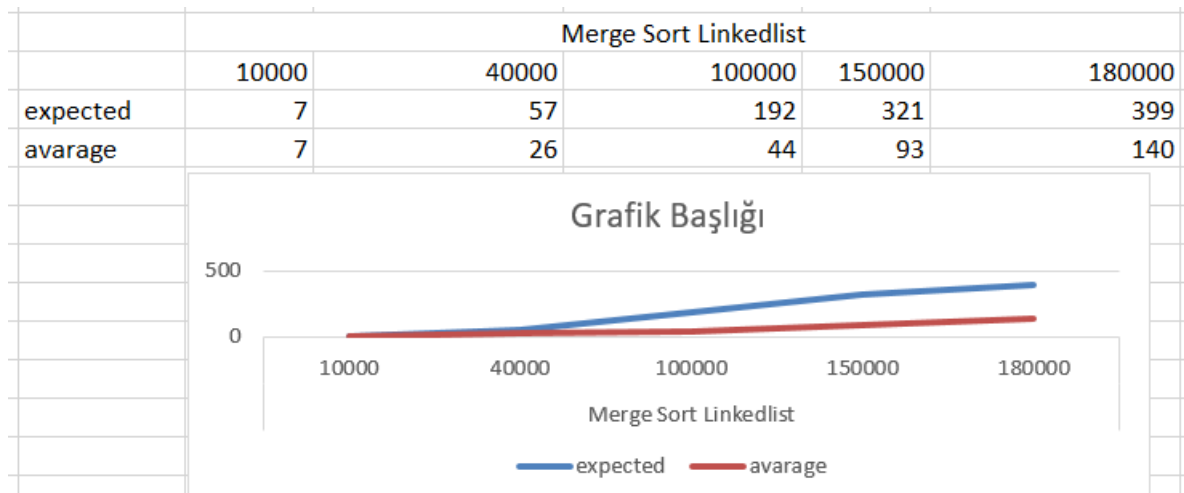
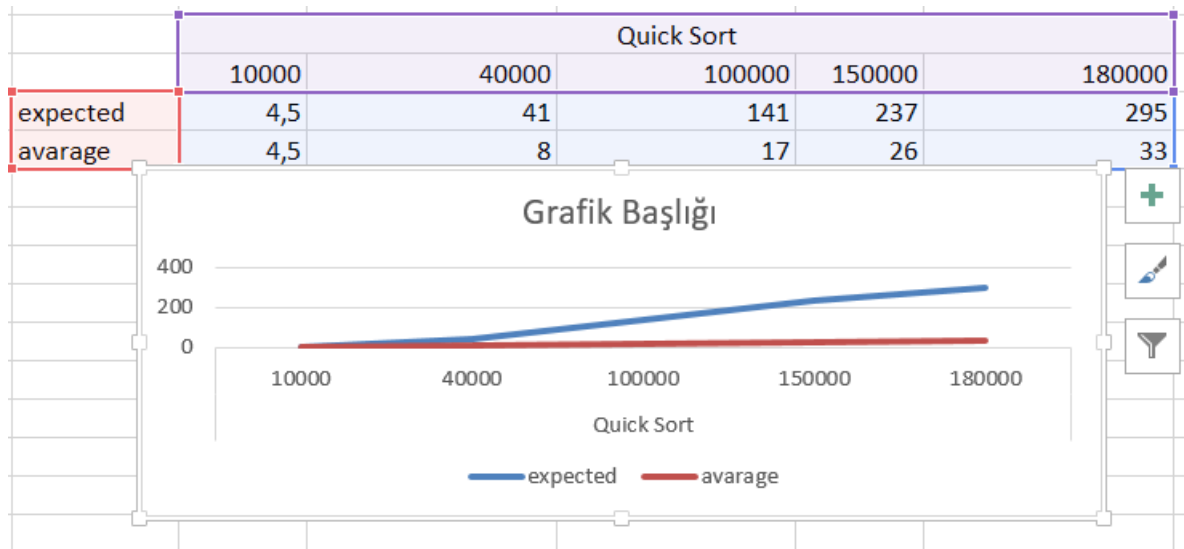
Graphs

	Selection Sort				
	10000	40000	100000	150000	180000
expected	58	928	5800	13050	18792
avarage	59	1198	8333	18233	38584









	Quick Sort Linkedlist				
	10000	40000	100000	150000	180000
expected	180	1565	10800	25590	37580
avarage	90	1466	8437	22443	32665

