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Lab 5

CPSC 2150

1)

1. I have chosen to implement the naïve sort with a dynamic array. The reason is that for this type of sorting, accessing random part of the data is important. Therefore, using linked list would increase the time complexity. Therefore, dynamic arrays are more efficient for this kind of problem.
2. Let N be the size of the tree and M be the size of the dataset. Then,

Time Complexity of my algorithm is O(M2 + M\*N + N).

1. Let N be the size of the tree and M be the size of the dataset. Then,

Space Complexity of my algorithm is O(N)

2)

