Name: Patrick Quach, Princeton Wong, Justin Lin

Class: CSCI 230, M/W

Professor: Horia Pop

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**Part 2 Report**

First, we create a LinkedList and its common methods such as insert, append, getLength, moveToStart, etc. Then, we add in 3 different method types for 3 different access: accessCount(), accessMTF(), and accessTranspose(). Each of them will modify the list according to their attributes. We also implemented method call isInList() to check whether the data is already in the list. If the input data is already in the list, we access it, if not, we first append it into the list and then access it after just like the prompt requires. In the ListNode class, we have a generic element to store data and also a variable called “freq” to store the frequency for Count List. In LinkedList class, we have a variable called “compCount” that will keep track of how many comparisons that will happen when we accessing the list. We make methods call printList() to print the final list and printFreq() to print the frequency for the Count self-organizing list. In the main class, before we do any run time calculation, we have to start a warm up method to get the JIT and JVM working. After that, the elapsed time will be consistent.