Blackbox test Homework

So this is a zip file “test Plan” which consist of 10 files one is the test program and the other 9 are test case imports, ensure that all of these files are in the same folder as the Table and TableSorter .java files and edit currDirectory in TableSorterTest to be the locations of the test case files and run the test.

Each test has an error associated with in in the messages that will be printed when the error is thrown and that is related to the error. The test should be run in the following order and only go on to the next test if it passes isSorted(), sortable() and finally bigTest() as they count on the previous being true or are way to big for early testing.

The test cases are 5x5\_0-3:

0: test if the system is sorting by being sorted but ensures that edges are test.

1: checks the handling on negative numbers

2: is unsorted and puts a mistake on the edge to ensure edges are corners are covered when testing and again when sorting

3: is not sorted and checks again that the other corner is checked correctly and that the corners move

The next set is 7x7\_0-1

0: is a slightly larger size to check at a common cut to insertion moving from 25 to 49 elements, this is unsorted.

1: is a slight variation on the one below and checks how duplicates are handled

The next 2 are:

Sorted: which is a sorted group from 0 to 255 with all elements this ensures no data loss while checking sorted status

Sortedrevs: which is the same as sorted but in reverse order primary point is to test that no data is lost

The last test case is:

bigTable.txt: this ensures what we have seen at smaller values still holds as a table of 255 by 255.

Very time consuming to test so postponed till everything else looks good.