Lab 6a – Making the TwoSet ADT Iterable

In this exercise we are going to take a working TwoSet implementation and extend the class to include the necessary functions to make the TwoSet class iterable. Remember that you must provide a \_\_iter\_\_() and a \_\_next\_\_() function in order to make this work. When you iterate through the ADT we should see all of the values (if a value occurs twice it should appear twice in the iteration).

Ultimately you will want your main program to look something like this:

ts = TwoSet()

ts.put(12)

ts.put(45)

...

for x in ts:

print(x)

If you have a working TwoSet implementation from the previous lab, it is strongly suggested that you use that one. However, if you did not complete the lab or feel that your TwoSet is not working correctly, you may use the one found in D2L.

## Non Ordered Iterator

In the first version of the iterator, you can list the values out in any order that you want.

## Ordered Iterator

In the second version of the iterator (a new program), you must list the values out in increasing order.