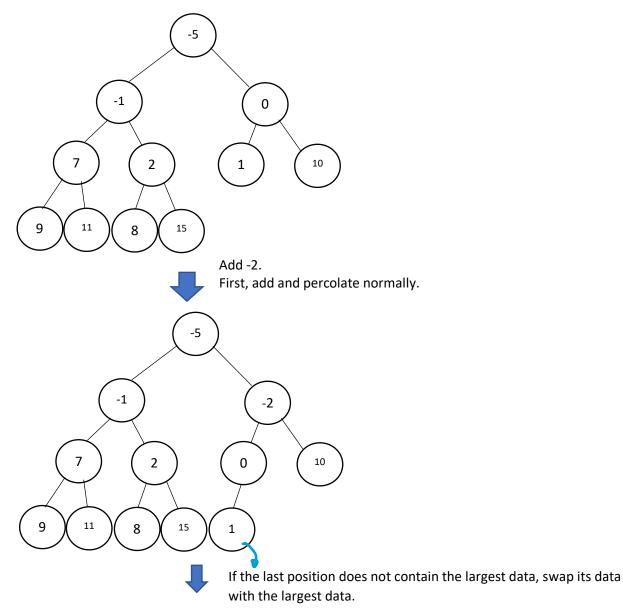
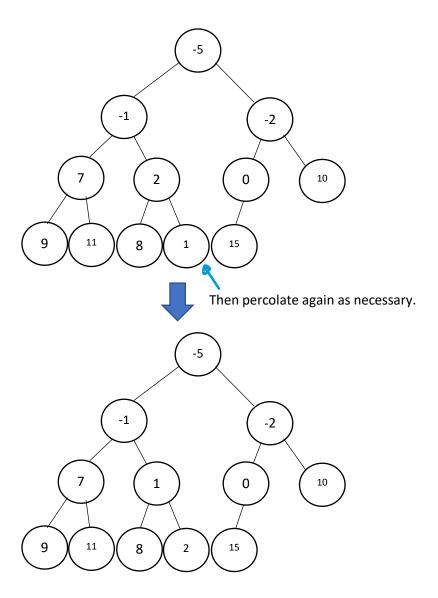
- 1. (5 marks) You are given code for minheap (small values are important) and JUnit to test your code.
- Assume that:
 - o before "add" method is called, the heap has its largest data stored in position (size-1).
 - Method "pop" is never called.

We want to modify the code of the method "add" of this heap such that:

- each time it is called, it adds new value to the heap (as done for normal heap).
- Then it modifies the heap so that largest value is at position (size-1).
- The modified heap must remain a heap.
- You are **NOT allowed** to add new fields to Heap class. **If you do, you get 0 point**.
- You are allowed to write your own methods to help with this question.

The following example illustrates how you <u>MUST</u> implement "add" in this question when adding -2 to the following heap (**If you do not use this algorithm, you get 0 point**):





How to submit:

• Submit only "Heap.java" in MyCourseville.