Find Top Two Highest Values in List

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List A<int> → Max1 = A.get(0)

Max2 = 0

[else]

[A.hasnext()]

[else]

[Max1 < A.get(i)]

[Max2 < A.get(i)]
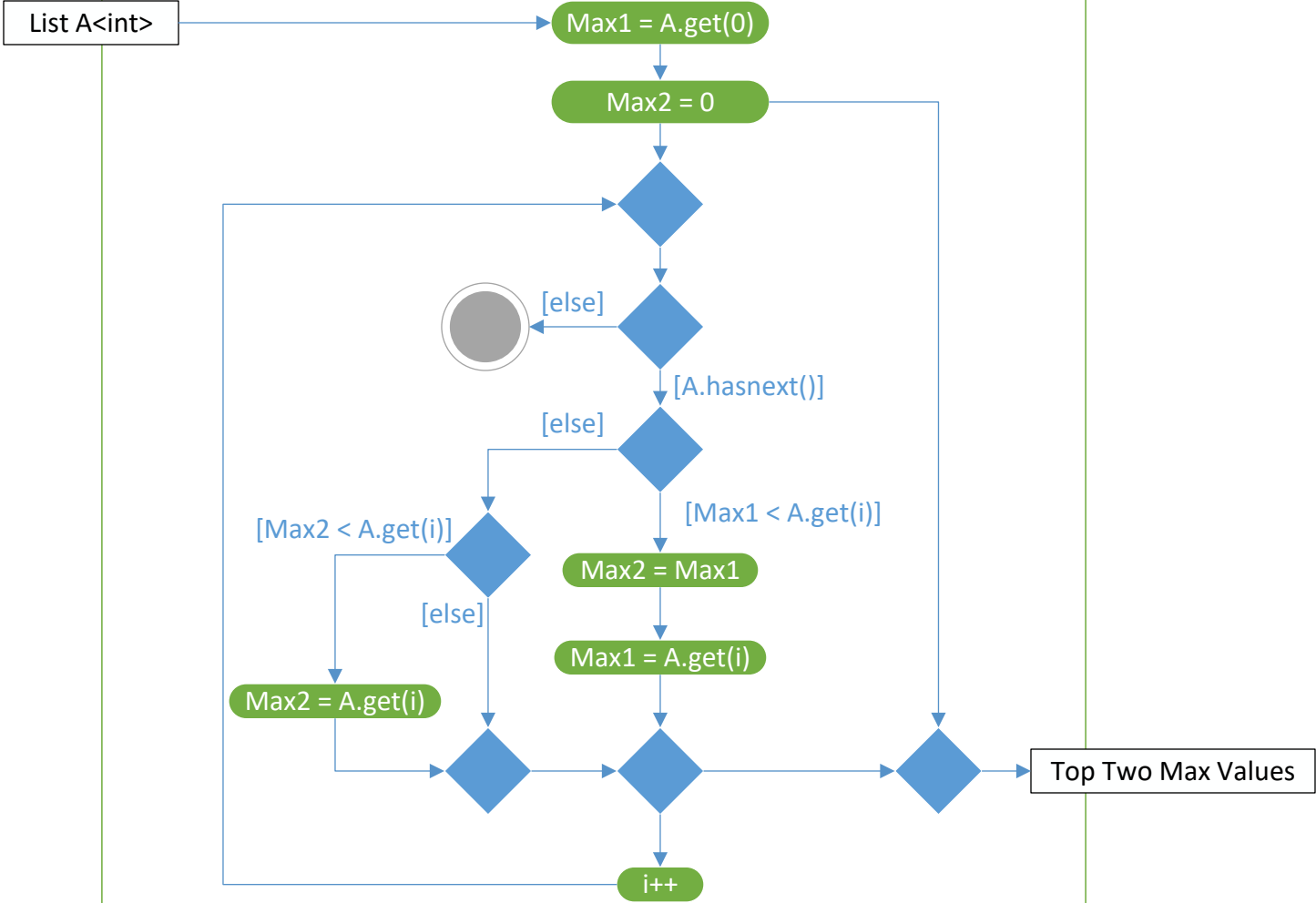
Max2 = Max1

[else]

Max1 = A.get(i)

Max2 = A.get(i)

Top Two Max Values

i++

Assumptions I am making:
1. There is at least 2 values in the list.
2. We are looking for the 2 highest values in the list.
3. There will always be positive numbers or that there will be no negative values in the list.

Pseudocode:

*PLEASE NOTE THAT I WROTE ACTUAL CODE INSTEAD FOR THIS PORTION. ACCORDING TO THE PROFESSOR THIS SHOULD BE FINE. I SPOKE WITH HIM IN OFFICE HOURS, BUT WHOEVER IS GRADING CAN ASK HIM IF THEY DON'T BELIEVE ME. I AM MORE INTO TANGIBLE CODE THAN PSEUDOCODE.

```java
public class FindTopTwo {
    public void findTwoMaxNumbers(int[] array){
        int maxOne = 0;
        int maxTwo = 0;
        for(int i = 0; i < array.length; i++){
            if(maxOne < array[i]){
                maxTwo = maxOne;
                maxOne = array[i];
            }else if(maxTwo < array[i]){
                maxTwo = array[i];
            }
        }

        System.out.println("First Maximum Number: "+maxOne);
        System.out.println("Second Maximum Number: "+maxTwo);
    }

    public static void main(String [] args){
        int num[] = {4,23,67,1,76,1,98,13};
        FindTopTwo obj = new FindTopTwo();
        obj.findTwoMaxNumbers(num);
        obj.findTwoMaxNumbers(new int[]{4,5,6,91,91,1});
    }
}
```