a) Feedback (5 minutes): We will ask the students if they have questions or concerns about the class. What would they like to improve in the PLTL workshop? The objective of these questions is to know a little bit more about the interests of the students.

b) Group activity (5 minutes): We will split the class into groups of 3 or 2 (depending of the class size and peer leader). We ask them in groups that discuss quickly what they need to solve a recursion problem.

c) Recursion with strings (18 minutes): We will work with the same groups on this activity. We will give to the students an incorrect recursive method in order to fix them. The students won’t know that the method is incorrect. So, they will need to understand what it happens in the method and later, figure out that the method is wrong; they will need to rewrite the method correctly. The students will be asked to share their answers with the rest of the class. The algorithm will be the following:

** The method will print backwards the string received as argument. It will receive a string of characters as parameter with a length $\geq 1$ and the size of the string.

```
Incorrect Code
public stringBackwards(String st, double size){
    if (size <= 1)
        System.out.println (st.charAt (size));
    else{
        stringBackwards(st.substring (0, size – 1), size – 2);
        System.out.println(st.charAt(size -1));
    } //end if-else
};//end stringBackwards
```

```
Correct Code
public void stringBackwards(String st, int size){
    if (size == 1)
        System.out.println (st.charAt (size -1));
    else{
        System.out.println(st.charAt(size -1));
        stringBackwards(st.substring (0, size – 2), size – 1);
    } //end if-else
};//end stringBackwards
```

d) Coding recursion with strings (18 minutes): We will give to students a description of a method to code it.
-- Write a recursive method that deletes the letter $i$ from a word. For example: weiteiaofi will become weteaof

e) Group processing (4 minutes): At the end of the workshop we will ask to the students to evaluate their performance in the group work. They will need to discuss among their
group: what they liked about working in group? and, what can they change next time that they work in teams to do better?