ACM International Collegiate Programming Contest

Latin American Regional Contests

November 10th-11th, 2017

Testing Environment and Submission System

1　Information on the Testing Environment

1.1　Memory limits

```
C, C++11, Python: 1GB
Java: 1GB + 100MB stack
```

1.2　Other limits

```
Source file size: 100KB
Output size: 1MB
```

1.3　Compilation commands

```
C: gcc -static -O2 -lm
C++11: g++ -std=c++11 -static -O2 -lm
Java: javac
```

1.4　C/C++11

- Your program must return a zero, executing, as the last command, `return 0` or `exit(0)`.

1.5　Java

- Do not declare a `package` in your Java program.

- Notice that the convention for the solution file name must be obeyed, which means that your public class name must be a capital letter (A, B, C, . . .).

- Command for running a Java solution: `java -Xms1024m -Xmx1024m -Xss100m`

1.6　Python

- Be careful to select the correct version, using the extension `.py2`, for version 2, or the extension `.py3`, for version 3.

- Beware: there is no guarantee that solutions in Python will run within the time limit specified for the problem.

2 Instructions for the Usage of the Boca Submission System

2.1 Submission of Solutions

To submit a solution, you must use the Boca's web interface:

- Open Firefox.

- Login as a team (username and password assigned to your team).

- Access the tab `Runs`.

2.2 The Result of your Submission

To find the result of your submission, you must use the Boca's web interface:

- Open Firefox.

- Login as a team (username and password assigned to your team).

- Access the tab `Runs`.

The verdicts you may receive from the judges are:

- 1 - YES

- 2 - NO - Compilation error

- 3 - NO - Runtime error

- 4 - NO - Time limit exceeded

- 5 - NO - Output format error

- 6 - NO - Wrong answer

- 7 - NO - Class name mismatch

- 8 - NO - Wrong language choice

- 9 - NO - Problem mismatch

- 10 - NO - Contact staff

Meanings of 1, 2, 3 and 4 are obvious.

- About 5 and 6:

  - if team's output is exactly the same as ours, answer "YES" (`diff` reports no differences found);
  - otherwise, if they differ in the case of letters or the amount of white space (empty lines, blanks) answer "Output Format Error";
  - otherwise, answer "Wrong Answer".

  BOCA uses `diff -biwB` and `wdiff` to decide about OFE.

- About 7: only for Java submissions, reported when the team submits a solution with a name different from expected, causing the run to fail execution. NOT to be used for C/C++11 submissions.

- About 8: mainly for Python2 and Python3, but could happen with other languages also.

- About 9: wrong problem identification was chosen when submitting the solution.

- About 10: for unforeseeable circumstances.

2.3   Clarifications

To request a clarification concerning a problem statement, you must use Boca's web interface:

- Open Firefox.

- Login as a team (username and password assigned to your team).

- Access the tab `Clarifications`. Choose the appropriate problem and type your question.

2.4   Score Board

To visualize the score board showing the teams ranking, you must use Boca's web interface:

- Open Firefox.

- Login as a team (username and password assigned to your team).

- Access the tab `Score`. You will have access to the local score board.