

Judge's comments from after the contest

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This set of problem was (unintentionnaly) testing more programmation skills than algorithmic skills. This document contains spoilers and should not be read before trying to solve the problems.

Problem 1.

Many answers were just one unit apart from the right answer (but on many test cases). For one team, it was an index error while accessing an array.

Problem 2.

First submission hoped to stay within the time limit while doing $2^{30}u$ operations... Actually this problem can be solved in $O(t)$ operations.

Problem 3.

A simple one.

Problem 4.

Given the small number of possible test cases, one team tried to solve it by hand.

Doable (and this problem was indeed inspired by a riddle that has to be solved by hand, on one test case), but it is easy to forget or duplicate solutions. This team only forgot solutions. It can be an interesting method since it is a way to spend more time on thinking than on coding, thus making the computer available for other problems.

Problem 5.

Many submissions were missing solutions and gave lower numbers than the correct answer. Don't forget the priority of operators. Use double instead of floats and compare them up to a given precision.

While brute forcing every possible insertion of operators, one team did the nice trick of testing the value of a string against all test cases at once, a good optimization. The problem could have had a longer input...

Problem 6.

No one tried this problem, and they were probably right.