International Olympiad in Informatics 2016



12-19th August 2016 Kazan, Russia day1 notice

notice Country: SYR

Implementation Notice

- . You have to submit exactly one file (file name given in the problem statement)
 - This file implements the subprograms described in the task statement using of the sample implementation. .signatures provided in the sample implementation
 - .These subprograms must behave as described in the task statement o
- . You are free to implement other subprograms (functions, procedures, methods)
 - Your submissions must not interact in any way with standard input/output of stream, nor with any other file. In particular, if your program outputs anything to standard output stream, its grading outcome on this test will be SV (Security .Violation). You may output anything to standard error stream

Conventions

The task statements use the word *array* and the Implementation details sections use the type int[]. Depending on the programming language, the graders use the :following types in place of int[] (and for simplicity, we call all of them arrays)

- ,++std::vector<int> in C
 - ,int* in C ∘
- ,array of longintin Pascal o
 - .int[] in Java o

The Implementation details sections use the type int64. It corresponds to 64-bit signed integer type

- , long long in C++/C \circ
 - ,int64 in Pascal o
 - .long in Java o

Limits

Problem	Time Limit	Memory Limit
Detecting Molecules	1 second	2 GB
Roller Coaster Railroad	2 seconds	2 GB
Shortcut	2 seconds	2 GB