International Olympiad in Informatics 2018
September 2–7th, 2018
Tsukuba, Japan
Day 1 Tasks

notice
Arabic (SYR)

⟨Implementation Notice ⟨Day 1

You can download a zipped attachment package of each task from CMS. For implementation details and sample graders, see the files in the zip file.

- For each task, you have to submit exactly one file.
- For each task, you may make up to 50 submissions.
- Your submissions must not read from the standard input, print to the standard output, or interact with any other file. However, they may output to the standard error stream.
- Submitted file should implement the procedures and/or functions described in the task statement using the signatures provided in the sample implementations.
- You are free to implement other procedures and/or functions.
- When you test your code in your local machine, we recommend you to use scripts in the attachment package. Otherwise, especially in C++, make sure to add -std=c++14 option to compile.

Conventions

In each of the supported programming languages, the following data types are used. For details on data types, etc. see the sample implementations.

Language	`int`	`int64`	`int[]`	length of array `a`	`string`
C++	`int`	`long long`	`std::vector<int>`	`a.size()`	`std::string`
Pascal	`longint`	`int64`	`array of longint`	`length(a)`	`ansistring`
Java	`int`	`long`	`int[]`	`a.length`	`String`

Limits

Task	Title	Time Limit	Memory Limit
combo	Combo	1.0 sec	268 MB
seats	Seats	3.0 sec	268 MB
werewolf	Werewolf	3.0 sec	537 MB