General Specifications:

The program reads the test input from the standard input (stdin) and places the results in the standard output (stdout). This is **always** the case, regardless on what the problem description says. Every line in the input is guaranteed to be finished by the end-of-line character ('\n'). In a similar way, your program must print an end-of-line character at the end of every line. A correct output with a missing end-of-line character will not be judged as Accepted.

The program doesn't need (in fact, they aren't allowed to) open files or to execute some system calls. Remember: **never try to open any file** or your program will be judged as wrong.

In order to help some people, the Online Judge defines always the '**ONLINE_JUDGE**' symbol while compiling your program. Thus, you can test for it to redirect the input/output to a file except while the Online Judge is testing your program by, for example, using the preprocessor directive #ifdef in C.

C/C++ Specifications:

Don't assume that any header file (cstdio, cstdlib, cmath, etc) is going to be included by default. Please, include all the headers that you actually need.

The use of dangerous or deprecated functions is discouraged. We don't judge as Compile Error a submission using those functions, but you use them under your own risk. For example, the gets function can cause a runtime error even if fairly used. Please, use fgets instead.

Please refer to the sample solutions for TestQuestion_A and TestQuestion_B from the test round.

Java Specifications:

The Java programs submitted must be in a single source code (.java) file. Nevertheless, you can add as many classes as you need in this file. All the classes in this file must **not** be within any **package**.

All programs must begin in a static main method in a Main class.

Do not use public classes: even Main must be non-public to avoid compile error.

Use buffered I/O to avoid time limit exceeded due to excessive flushing.

Please refer to the sample solutions for TestQuestion_A and TestQuestion_B from the test round.

For other languages, please contact the committee for further information