

Day 2 Notice

For all tasks:

- There is an attachment package that you can download from the contest system.
- The attachment package contains sample graders, sample implementations, example test cases, and compile scripts.
- You may make up to 50 submissions for each task, and you have to submit exactly one file in each submission.
- When testing your programs with the sample grader, your input should match the format and constraints from the task statement, otherwise, unspecified behaviors may occur.
- In sample grader inputs, every two consecutive tokens on a line are separated by a single space, unless another format is explicitly specified.
- You may receive a "Protocol Violation" feedback on your submission to CMS if your program does not follow the
 correct protocol described in the problem statement. Some possible reasons for a submission receiving this
 feedback include:
 - · Reading from standard input
 - · Printing to standard output
 - Calling exit(0)
- However, it should be noted that submissions that exhibit the above behavior may not always result in "Protocol Violation" feedback and the list above is also not exhaustive.
- When you test your code on your local machine, we recommend you to use scripts in the attachment packages. Please note that we use the -std=gnu++17 compiler option.
- If you are unable to submit to CMS, you can use the ioisubmit tool to store your code for evaluation after the end of the contest.
 - Run ioisubmit <task_shortname> <source_file> in directory with <source_file>.
 - Ask your proctor to take a picture of the output of ioisubmit and send it to the organizers. Your submission will not be considered unless this step was done.

Convention

The task statements specify signatures using generic type names void, string, int, int64, int[] (array), and bool[] (array).

The graders use appropriate data types or implementations, as shown below

Language	void	string	int	int64	int[]	bool[]	length of array a
C++	void	std::string	int	long long	std::vector <int></int>	std::vector <bool></bool>	a.size()

Limits

Task	Name	Time limit	Memory Limit
dna	Mutating DNA	1.000 second	2.00 GiB
dungeons	Dungeons Game	4.000 seconds	2.00 GiB
registers	Bit Shift Registers	1.000 second	2.00 GiB