

Notice

For all tasks:

- Time and memory limits are available in the "Overview" page in the contest system.
- There is an attachment package that you can download from the contest system, containing sample graders, sample implementations, example test cases, and compile and run 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. Every two consecutive tokens on a line are separated by a single space, unless another format is explicitly specified.
- 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.

Convention

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

In C++, the graders use appropriate data types or implementations, as listed below

void	int	int64	int[]
void	int	long long	<pre>std::vector<int></int></pre>

int[][]	length of array a
<pre>std::vector<std::vector<int>></std::vector<int></pre>	a.size()