



**JET
BRAINS**

icpc global
programming
tools sponsor



Keio University

ICPC Asia Yokohama Regional Contest 2018

Contest Information

Host: Keio University, Japan
December 8-10, 2018

Contest Regulations

NOTE: Failure to comply with the regulations may lead to disqualification of the offending team.

Registration Check

All team members must show up **together** at the reception desk and show their **student IDs** before you enter the contest area. After you receive and wear an ICPC T-shirt with your name tag on it, you may exit/re-enter the contest area as long as you keep wearing the ICPC T-shirt.

No Photos

Do not take photos in the contest area. Only our staff can take pictures. The pictures that we take will be posted on the ICPC 2018 Yokohama web site.

No Electronic Devices and No Mobile Phones and No USB memory sticks

During the contest (including the rehearsal) you are NOT allowed to use any kind of electronic/communication devices such as laptop computers, tablet computers, digital cameras, electronic calculators, digital dictionaries, radios, mobile phones, smart phones, smart watches and pagers, except for the devices provided for the contest. Also do NOT bring any memory devices such as USB memory sticks to the contest area.

Device Usage Restriction

You may only use the keyboard, mouse and monitor attached to the contest computer. You may NOT touch (including open or move) the computer. You may NOT use the DVD drive of the computer. Also, you may NOT connect anything (such as USB thumb drives) to or disconnect anything (such as keyboard, mouse, ethernet cable or power source) from the computer.

File Creation Policy

You may only create/modify files under your home directory and some other limited places such as /tmp. All the changes you make to the file system during the rehearsal will be **cleared** before the contest.

Network Access Restriction

During the contest (including rehearsal), do NOT try to access any computers other than the contest server.

English Only

You can only use English when you ask questions to the contest staff during the contest.

Do NOT Talk to the Coach(es) and Other Teams

Do not make any contact with the coaches during the contest. Coaches may only stay in the designated area during the contest, and MUST stay quiet. Any contact with contestants of other teams is also not allowed.

Do NOT Go to the Restroom by Yourself

If you need to go to the restroom, go to the snack area, and then ask a contest staff to go with you. Please wait if the staff is away for other people.

Printing

During the contest (including rehearsal), the contest staff will bring your printouts to you. You are NOT permitted to fetch them from the printers (in a separate room) by yourself.

Bringing Printed Materials into the Contest Area

You may bring any PRINTED material you wish, including books, language reference manuals, code printouts, contest problems and their solutions.

Snacks and Drinks

Light snacks and drinks are provided in the snack area. All contestants can take them freely, to your table. BE CAREFUL not to spill any drinks/snacks on to the table or the floor.

Rehearsal Information

Leave your large belongings in the area specified by the staff. Take out your valuables and keep them with you. Backpacks and small bags may be placed under your table.

There are four chairs at each table. They are for the three contestants and the coach for each team. If your team has an additional coach, ask nearby contest staff to bring a chair.

The rehearsal is for teams to practice in the same environment as the main contest.

The following items are on your table:

- A set of documents: contest information (this document), etc.
- Two sealed envelopes

You may read the documents while waiting for the rehearsal to begin. However, you may NOT open the envelope until instructed to do so.

Staff will come to your table to

- collect the **letter of consent with all members' signatures**, and
- take your team photos including all members.

Please help them out when they come to your table.

If you want us to take your pictures, please tell our camera staff when they come to your table.

Your tasks during the rehearsal

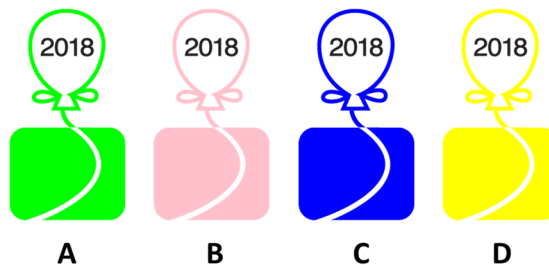
- Get used to the contest environment (Linux OS, editors, etc.).
- Check the editors and/or the IDE (Eclipse) that you will use in the contest.
- Check the compilers that you will use in the contest.
- Login to DOMjudge (the judge system) and submit an answer at least once to the judges.
- Learn how to print on the contest environment. Try to print something at least once.

Misc. Notice

Ask a staff member to take a team photo if you have not done it.

Balloon Rule in Rehearsal (Dec. 8)

Each problem is associated with a unique color, which is used for the balloon delivered to your desk when you solve a problem.



Problem A	GREEN
Problem B	PINK
Problem C	BLUE
Problem D	YELLOW

Regional Contest Information

Bring your student ID with you. Keep wearing the ICPC T-shirt with your name tag on it while you are in the contest area.

Be seated at the same table that you used in the rehearsal.

Leave your large belongings as well as backpacks and small bags in the area specified by the staff. Take out your valuables and keep them with you.

There are three chairs at each table because coaches may NOT enter the contest area.

Do not touch the computer until instructed to do so.

There is a sealed envelope on your table. Do not open it until instructed to do so.

Balloon Rule in Regional Contest (Dec. 9)

The colors for each problem will be made known at the contest site.

Information from the Judges

The submitted solution (program) must read the input data from the standard input and write the results to the standard output. The maximum execution time for each problem is written in the problem description. The specifications of the machines used by the judges are the same as those of the contestants'.

Computer Environment

Hardware: Lenovo ThinkPad L580

- CPU: Core i5 8250U (1.6GHz)
- RAM: 8GB
- HDD: 500GB
- Mouse
- Keyboard: one of the following English keyboards
 - Justy UKB 104 EWH
 - Lenovo Preferred Pro USB Keyboard
 - Lenovo Preferred Pro II USB Keyboard
 - Note that Japanese layout keyboards are NOT provided.
- Display: 23-inch LED Wide Monitor

Software: (Versions may be subject to change)

- OS: Ubuntu 16.04 LTS Linux (64-bit)
- Desktop: Unity
- Editors:
- Languages:
 - vim/gvim 7.4
 - emacs 25.3
 - gedit 3.18
 - Eclipse 4.9 (w/ CDT 9.5.4, PyDev 6.5.0)
 - Atom 1.31.1
 - IntelliJ Idea Community Edition 2018.2.4
 - PyCharm Community Edition 2018.2.4
 - CLion 2018.2.5
- Languages:
 - Java: OpenJDK 10.0.2
 - C/C++: GCC 5.4.0
 - Python 2: Python 2.7.13 (implemented using PyPy 5.10.0)
 - Python 3: CPython 3.5.2
- Reference Docs: C++ docs, Java API docs