PRACTICE SESSION FAQ

NOTE: All fixes and changes mentioned here will be available tomorrow. They will NOT be available for the afternoon practice session. If you had more problems that you don't see in this document, please let us know. You can also write down suggestions and put them in the boxes labelled "Suggestions" in the Competition Area.

NOTE: The competition webpage (http://www.ioilan.org) has been updated. Please check it out. A new section, '*Tasks*', has been added. It currently contains the tasks of the Practice Session and their input data.

Fixed issues:

The monitor was too slow in Windows.
Exectime didn't work in Test runs.
Pascal syntax highlighting didn't work for .pp files.
Restoring a file that was backed up would bring back just empty files.
The tasks were not available online.
The *Olympic* task test data was unreadable in Windows (CRLF issue). Two versions of input data will be available in future tasks, one for Windows and one for Linux.
Emacs working folder in Windows wasn't set to C:\IOI

Q: Rhide in Windows crashes when I try to open a file.

A1: Open a new project, and add the file to it.

A2: If you don't want to use projects, remove the .cpp, .c or .pp extension of your file and change it to something else. For example, rename '*test.cpp*' to '*test.old*'. Open 'test.old', then Save As 'test.cpp'.

Q: Link or Make don't work in Rhide.

A1: Use a project for your program.

A2: For C and C++ programs, both "*Project -> Main Target Name*" and "*Project -> Primary File*" should be empty. For Pascal programs, "*Project -> Main Target Name*" should be the name of your program, without the extension, and "*Project -> Primary File*" should be the name of your program, including the extension.

A3: If the above don't work, and rhide complains about not finding your files, you should exit rhide, and delete rh_opt.gdt and rh_opt.gpr from your working folder (e.g. C:\IOI) and from C:\DJGPP\share\rhide. When you restart rhide, visit "*Options -> Environment -> Preferences*" and check the "Use FPC pascal compiler" option.

Q: When I check "Options -> Directories" in Rhide, all I see is trash. When I try to delete it, Rhide crashes.

A: Exit rhide and delete rh_opt.gdt and rh_opt.gpr from your working folder (e.g. C:\IOI) and from C:\DJGPP\share\rhide. When you restart rhide, visit "*Options -> Environment -> Preferences*" and check the "*Use FPC pascal compiler*" option.

Q: My program entered an infinite loop in Rhide for Linux, and the IDE froze up.

A: Enter a console, and type: ps aux | grep *name_of_program* Notice the process id number on the left, and type kill -KILL *process_id*. The IDE will unfreeze.

Q: Rhide in Windows sometimes crashes when it runs in windows mode and I try to execute my program.

A: Use rhide in full screen mode, or compile your program with rhide and run it from the command prompt.

Q: The Free Pascal IDE does not show the line number of compilation errors.

A: Exit the IDE. Remove fp.ini, fp.dsk and fp.cfg from C:\pp\bin\win32 and from your working folder (e.g. C:\IOI). Restart the IDE.

Q: The Free Pascal IDE froze when I tried to print my program.

A: You can only print your files by using the grading system's Print option.

Q: The exectime object files didn't work in Windows.

A: The wrong versions of the object files were available in the Windows installation. However, it turns out that no millisecond timing is possible in DJGPP, because the getrusage() system call always reports zero time.This means that the exectime object files will NOT be available on the next Windows installation. See also the next question.

Q: The C++ exectime object files didn't work in Linux.

A: The wrong version of extimecp.o was available in the Linux installation, this has been fixed. However, since it is not possible to use the exectime object files in the Windows installation, we will also remove them from the Linux one, to keep the environments as equal as possible. Both Windows and Linux will be able to use the exectime facilities by submitting tasks for Test running on the server.

Q: Can I submit any program for Test run, or only a valid Task?

A: You can submit only valid Tasks for Test run. Be sure to use the correct header.

Q: My program doesn't require an input file, but I am asked for one when I try to do a Test run.

A: This has been fixed. You no longer have to submit an input file for a Test run.

Q: What should I put on my program's headers to have the grading system accept it, TASK or PROG?

A: Both will work.

Q: When I tried to submit the output of my program, it was not accepted by the grading system.

A: We noticed that in several cases the output had some extra spaces or blank lines that causes the grading system to consider them invalid. You need to follow the formatting that's specified by the task description.

Q: I noticed that *time* and */usr/bin/time* are different in Linux. Which one should I use?

A: You can use either, to time your programs locally. Official timing is done on the server only, and can be tested by using the exectime() function during a Test run.

Q: How can I print my program after the competition is over?

A: You can print your program during appeals using the grading system.