Workshops

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C++

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There's more about C++

- C++ is the official language at IOI and thus SOI
- C++ is also one of the most used languages in industry
- We only showed you what is relevant for SOI, there's a lot more to discover.
- Wiki article coming soon on how to code without `#include <soi>`.

There's more about SOI

- The tasks in later rounds are all about problem solving
- Need creativity to come up with the right algorithms
- Implementing them is the "easy" part

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Where can I learn about algorithms?

What's the content of the algorithm workshop?

- Asymtotic running time: reason about the speed of your program
- Graph theory: traversation algorithms like dfs
- Dynamic programming: technique to solve problems

And a fun scavenger hunt on Friday afternoon!

What you should do for next workshop

- Upsolving: Finish solving the tasks of this workshop. The grader will remain online.
- First round: Solve the first tasks for 200 points
- Wiki: Read "Introduction to Algorithm Design"

How to proceed

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We don't check whether you did it, but you will gain much more from the algorithm workshop if you don't struggle with programming.

The reason these two workshops are split is that you can catch up.

Material

- We will send an email containing with where you can find the content of this workshop.
- All slides are up on
  https://soi.ch/page/workshop20-resources/
- The grader will be moved to
  https://grader.soi.ch/workshop-upsolve/

Thank you for coming. I hope you had fun!

See you again at the algorithm workshop.

You can ask us questions at any time on
info@soi.ch