

Competitive Programming 2020

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Introduction

Dynamic programming

Welcome!

- You should have already done this:
 - register in **Oodi**
 - read instructions in **MyCourses**
 - join our **Slack workspace**
 - create a user account in **CSES**
 - solve the **prerequisite test**

Typical weekly program

- **12:15:** Lecture (Zoom)
- **13:00:** Practice contest (CSES)
 - multiple problems to choose from
 - *try to solve at least 2 problems per meeting*
 - try to solve first on your own
 - if no progress: help available starting at **14:00**
- **16:00:** Post-contest wrap-up (Zoom)

Help during contest

- Post on Slack channel **#queue**
- What do you need help with?
 - which task?
 - what kind of help?
- Slack direct messages or Zoom call?
 - If you'd like to get a Zoom call:
set up a Zoom meeting and post the link

Today's program

- **12:20:** Short video
 - *What is competitive programming?*
- **12:25:** Lecture
 - topic: dynamic programming
- **13:00:** Practice contest
 - help available starting at **14:00**
- **16:00:** Post-contest wrap-up, discussions

Video

Which boxes to open?

- Cannot open 2 boxes next to each other



Two rows of boxes?

- Cannot open 2 boxes adjacent to each other

3	1	1	4	5	4	1
1	1	3	1	1	1	1

Tree of boxes?

- Cannot open 2 boxes connected to each other

