

Cooperative Problem Solving and Competitive Programming

Ruben Becker 07.05.2026



RAVEN – Research on Algorithms Venice



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⇒ **Cooperative** Problem Solving and Competitive Programming



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 - compressed data structures and data compression
 - string algorithms
 - randomized/graph algorithms
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- get you involved with algorithms

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- share our passion with you
- create a welcoming atmosphere
- motivate you to focus your studies on algorithms
- come to our advanced lectures!

Structure of Meetings

- two types of meetings
 - Problem Solving (PS) sessions
 - Competitive Programming (CP) sessions

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 - students work in teams
 - RAVEN members there to help
 - just problem solving,
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- tasks taken from known platforms:
 - UVa onlinejudge.org
 - Kattis open.kattis.com



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- we will use these books (available online):



- Halim, Halim, and Effendy. Competitive Programming 4.

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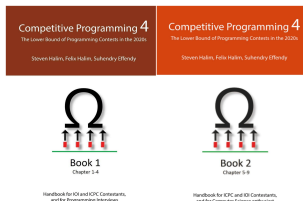
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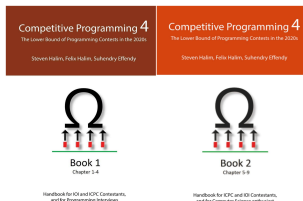
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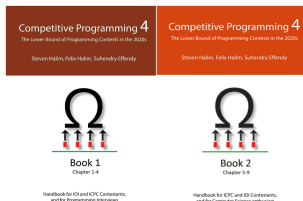
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- Have fun!**