The Exam

March 2015

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- 2 hours
- Four questions
- Answer Three

What is Examinable?

- Everything up to and including Linear Programming
- (so, not NP-Completeness)
- Not Java

What You Could Be Asked

Write an algorithm

- You can choose pseudocode or Java
- Things like loop bounds easier in pseudocode
- Pseudocode has no rules just make it understandable

Apply an algorithm

To a concrete example

Describe an algorithm

- Given a general problem
- Give the steps without code
- Include enough detail to establish correctness / performance

What You Could Be Asked

Give properties of algorithm X

- Worst case input
- Performance for x type input
- Performance compared to algorithm Y

State running time of an algorithm

- Based on given code
- And your knowledge of algorithms in the course

Select a data structure or algorithm for a problem

- Justify your choice
- State assumptions