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Week 2

Algorithms on Graphs

Week 2

Discuss this week's modules here.

Go to forum

91 threads · Last post a month ago

Decomposition of Graphs 2

This week we continue to study graph decomposition algorithms, but now for directed graphs.

Learning Objectives

- Explain what a directed graph is
- Explain what a topological order is
- Create a program for analyzing a CS curriculum

∧ Less

Directed Graphs

▶ **Video:** Directed Acyclic Graphs 8 min   Resume

▶ **Video:** Topological Sort 9 min

▶ **Video:** Strongly Connected Components 7 min

▶ **Video:** Computing Strongly Connected Components 10 min

▢ **Reading:** Slides and External References 10 min

Programming Assignment

⟨/⟩ **Programming Assignment:** Programming Assignment 2: Decomposition of Graphs 3h   Due Aug 16, 1:59 AM CDT