

Lecture 15

CSE 331

Oct 3, 2016

Mini Project Pitch due WED

The image is a screenshot of a course announcement page. At the top left, there is a 'note' icon with a star. At the top right, there are buttons for 'stop following' and '59 views', along with an 'Actions' dropdown menu. The main heading is 'Mini Project pitch can now be submitted'. Below this, the text states that submissions are now open on Autolab with a deadline of 11:59pm on Wednesday, October 5. A URL is provided for more details. The text also mentions that case studies will be assigned on a first-come, first-serve basis and that pitches should be submitted on a rolling basis. An 'Important' section follows, explaining that submissions are group-based and that groups must be formed before submitting. A numbered list starts with '1. One person in your group has to create it first. To do this, click on the "Group Options":'. Below this list is a section titled 'Options' with four links: 'View writeup', 'Download handout', 'View handin history', and 'Group options'. Red text annotations are overlaid on the page, providing additional instructions: 'Form your group on Autolab BEFORE submitting your pitch' is placed next to the 'View writeup' link, and 'Do not forget to add URL to your references' is placed next to the 'View handin history' link.

note ☆ stop following 59 views Actions

Mini Project pitch can now be submitted

You can now submit your mini project pitches on Autolab. The deadline is 11:59pm on Wed, Oct 5. More details on the mini project page:

<http://www-student.cse.buffalo.edu/~atri/cse331/fall16/mini-project/index.html>

The case studies will be assigned on a first come first serve basis. So once your pitch is ready for grading, send me an email. I plan to grade them on a rolling basis.

Important: Since this will be a group submission, things will work a bit differently than for the current submissions that are done individually. In particular, you should form your group **before** submitting your pitch. To create your group do the following:

1. One person in your group has to create it first. To do this, click on the "Group Options":

Options

- View writeup
- Download handout
- View handin history
- Group options

Form your group on Autolab BEFORE submitting your pitch

Do not forget to add URL to your references

Quiz 1 next Monday

note stop following 23 views

Quiz 1 on Monday, Oct 10

The first quiz will be from 1-1:10pm in class on Monday, October 10. We will have a 5 mins break after the quiz and the lecture will start at 1:15pm.

We will hand out the quiz paper at 12:55pm but you will **NOT** be allowed to open the quiz to see the actual questions till 1pm. However, you can use those 5 minutes to go over the instructions and get yourself in the zone.

There will be two T/F with justification questions (like those in the sample mid term 1: @358.)
#pin

[quiz 1](#)

edit - good note | 0 Updated 45 minutes ago by Abri Rudra

Sample mid-terms

note stop following 49 views Actions

Sample mid-term exams

You can access the two sample mid-terms (and their solutions) from the navbar on the CSE 331 webpage:

<http://www-student.cse.buffalo.edu/~atri/cse331/fall16/index.html>

Here are the direct links:

- [Sample mid-term 1 \(and its solutions\)](#)
- [Sample mid-term 2 \(and its solutions\)](#)

I hope to put up a post on the mid-terms in general (what topics will be on it, some thoughts on how to prepare and so on) in a day or two.

#pin

mid-term

edit good note Updated 7 hours ago by Atri Rudra

The mid-term post

note ☆

stop following

11 views

Actions ▾

The mid-term post

First, midterm-I is on **Monday, Oct 17** and midterm-II is on **Wednesday, Oct 19** during the usual class timings (i.e. 1:00-1:50 in KNOX 110). Below are some comments that might be helpful to prepare for the mid-term.

(Related post: A followup post on what to do during the exam here: [@355](#))

- Work through the sample mid-term exams ([@358](#)). Do **not** use the sample mid-term to deduce **anything** about the relative coverage of different topics. (See points below for more on the coverage.) The sample mid-terms are meant for you to see the format of the questions. The actual mid term exams will be harder than the sample mid term exams. The actual mid-terms will follow the exact same format for the sample midterms: i.e. first mid-term will be only T/F while the second ones will be longer ones.
- I encourage you to not look at the solutions to the sample mid-terms before you have spent some quality time by yourself on the mid-term questions first.
- Use the quiz on Oct 10 ([@365](#)) to get some practice in solving T/F questions under some time pressure. Also review the T/F polls for more examples of such T/F questions.
- Review the HW problems/solutions. There will be at least one problem (among mid-term-I and mid-term-II) that will be closely related to a HW problem. If you did not pick up solutions to a HW (or misplaced them), they'll be available for pickup: stay tuned for more details on this.
- You **will** be under (a bit of) time pressure in the mid-term exams-- it might be useful for you to use the sample mid-term to decide on how much time you are going to spend on each question. Also read the instructions on the first page and keep them in mind during the exam (the instructions will of course be repeated on the exam sheet).

Peer Notetaker needed

note ☆ stop following 89 views Actions

Peer- Note taker needed

Hi all,

A student is eligible for the services of a Peer Notetaker. Accessibility Resources will provide photocopying. A stipend may be paid by Accessibility Resources to notetakers who qualify at the end of the semester. If you are interested, please send me email or see me after class to find out how to volunteer.

Thanks!
Abri
#pin

lectures

edit - good note | 0 Updated 1 day ago by Abri Rudra

Only use allowed sources

note ☆ stop following 27 views Actions

You can only use allowed sources

I would like to remind you that you can only use the **five allowed** sources that are mentioned on this page (this holds for both programming and non-programming questions):

<http://www-student.cse.buffalo.edu/~atri/cse331/fall16/policies/hw-policy.html>

There have been couple of HW2 submissions that have used sources that are beyond these sources.

As a one time offer, you can withdraw your HW2 or HW3 solutions by the end of this week: email me your withdrawal and I'll remove you submission from Autolab.

After that point, any submission that remains or is submitting from HW4 onwards that uses a **non-allowed source will lead to an immediate F in the course.**

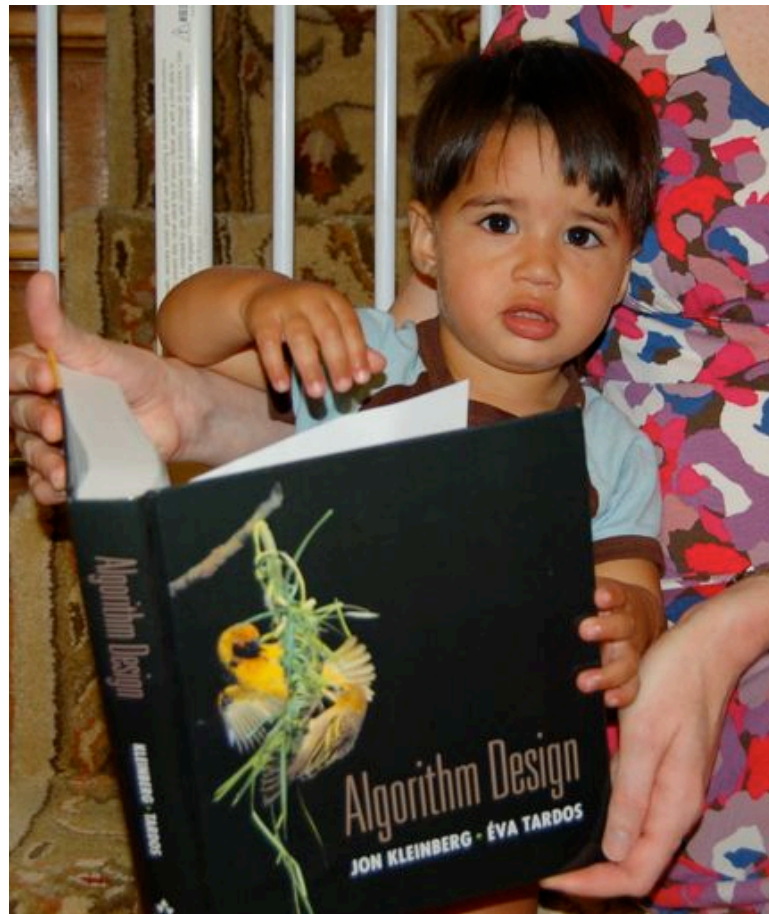
#pin

homework2 homework3

edit good note 0 Updated 1 hour ago by Ari Rudra

Reading Assignment

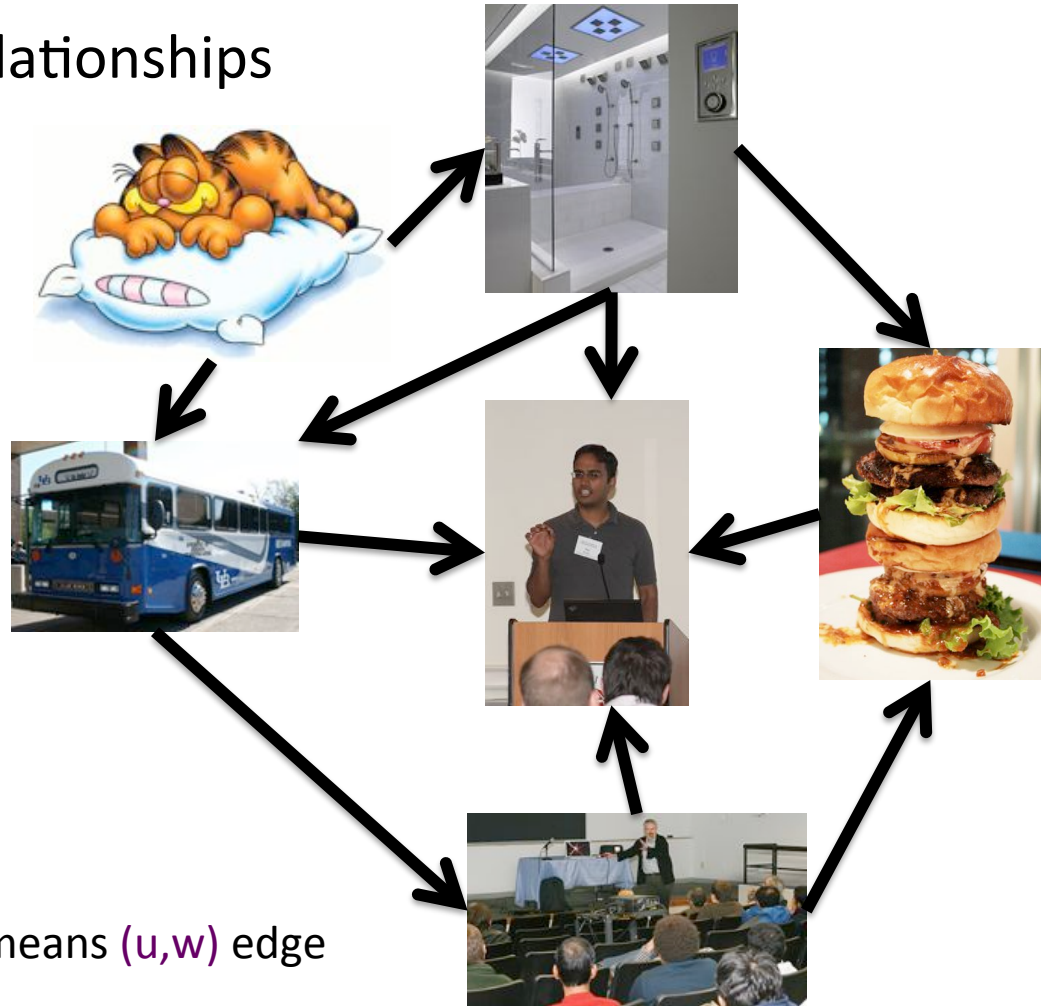
Sec 3.3, 3.4 and 3.5 of [KT]



Directed graphs

Model asymmetric relationships

Precedence relationships

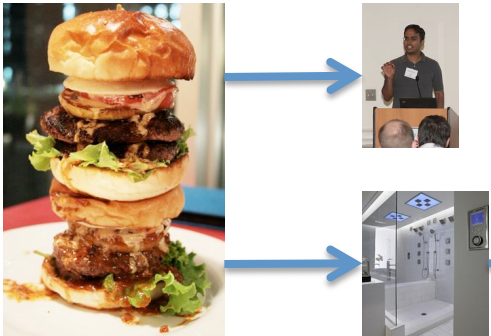
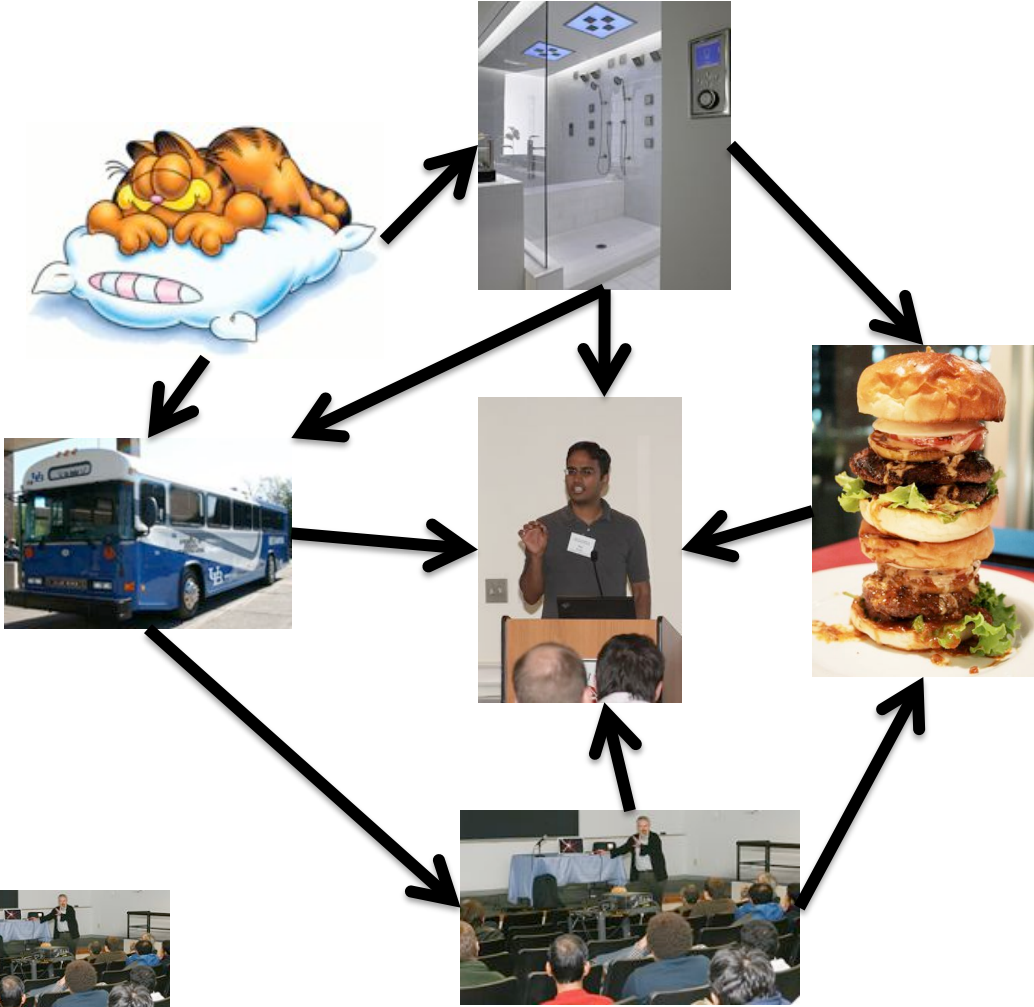


u needs to be done before w means (u,w) edge

Directed graphs

Adjacency matrix is not symmetric

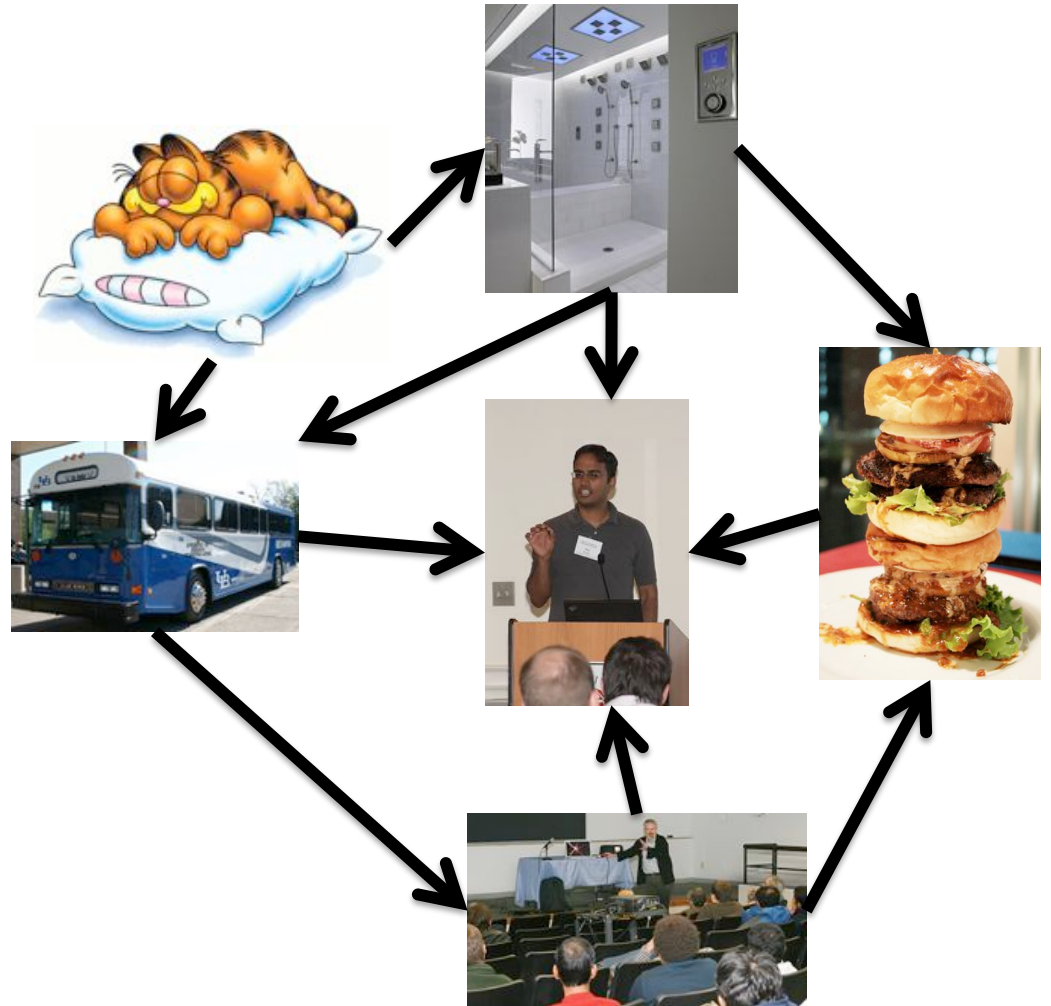
Each vertex has two lists in Adj. list rep.



Directed Acyclic Graph (DAG)

No directed cycles

Precedence relationships are consistent



Topological Sorting of a DAG

Order the vertices so that all edges go “forward”

