

Lecture 16

CSE 331

Oct 1, 2014

Online OH tonight @9pm

note ☆ 0 views Actions

Online Office Hour #3 Tomorrow at 9pm

I will have an online office hour from 9-10pm eastern tomorrow, October 1.

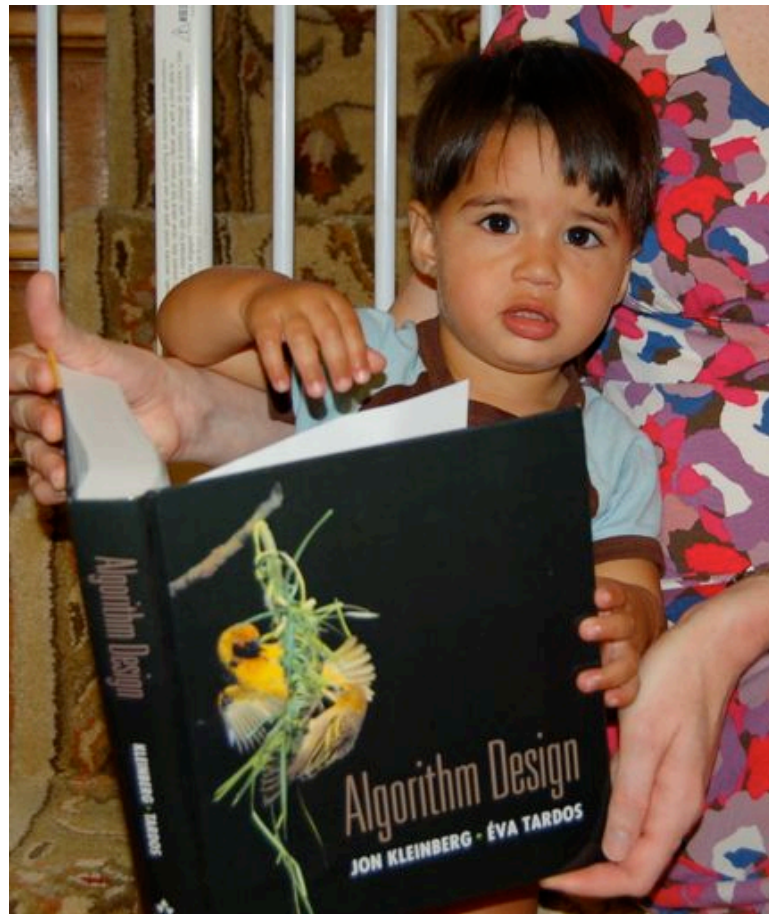
Please tag your questions with the folder 'onlineoh3'

`onlineoh3`

edit good note | 0 18 minutes ago by Atri Rudra

Reading Assignment

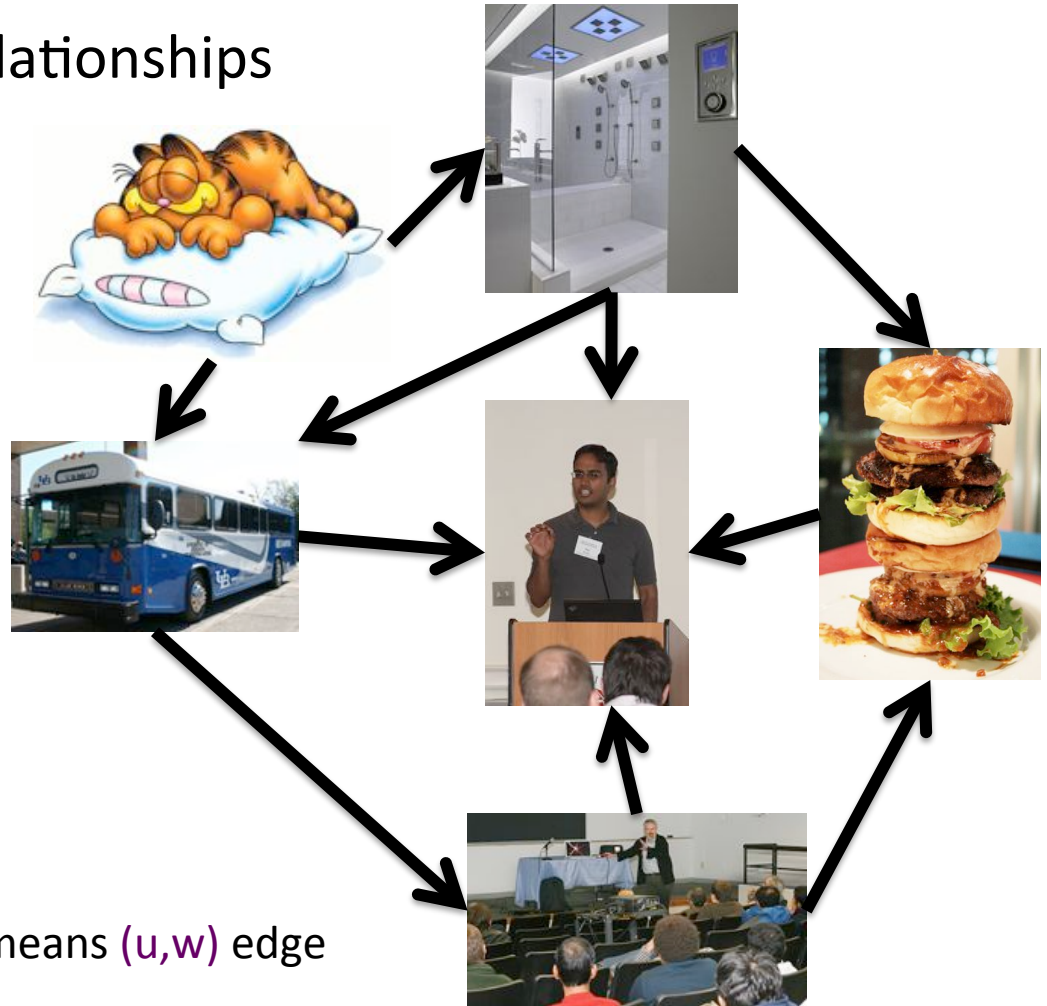
Sec 3.3, 3.4 and 3.5 of [KT]



Directed graphs

Model asymmetric relationships

Precedence relationships

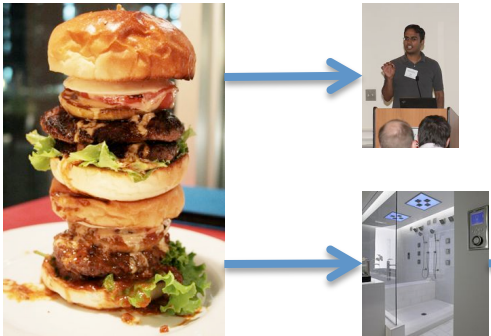
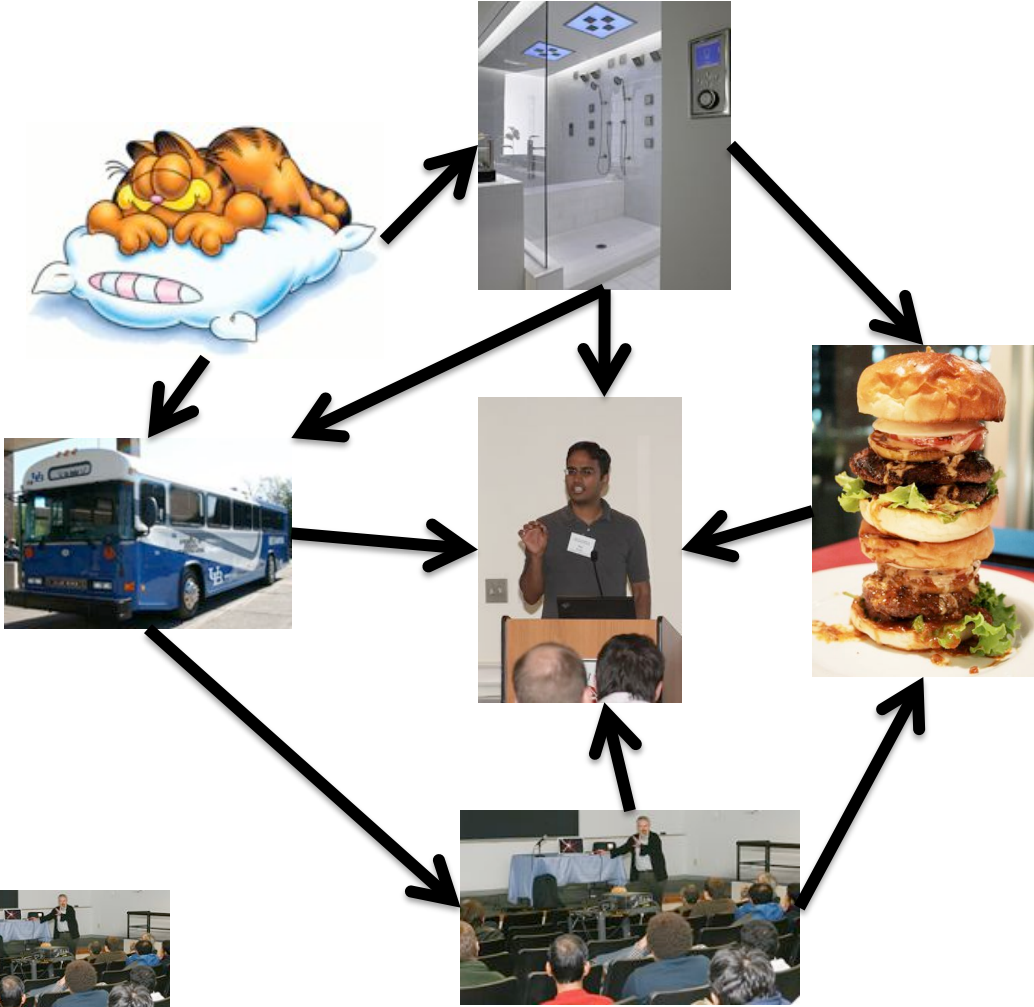


u needs to be done before w means (u,w) edge

Directed graphs

Adjacency matrix is not symmetric

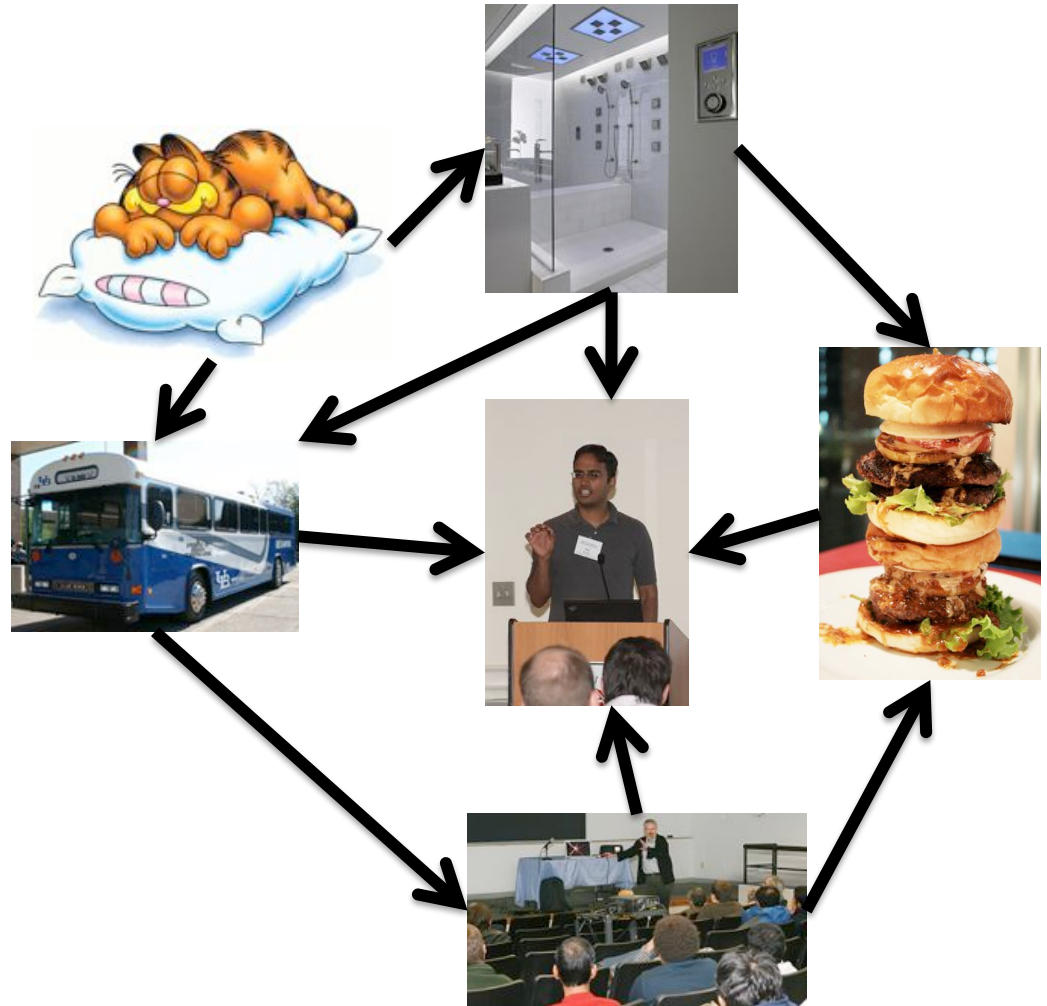
Each vertex has two lists in Adj. list rep.



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”

