

CS213/CS213M DS&A

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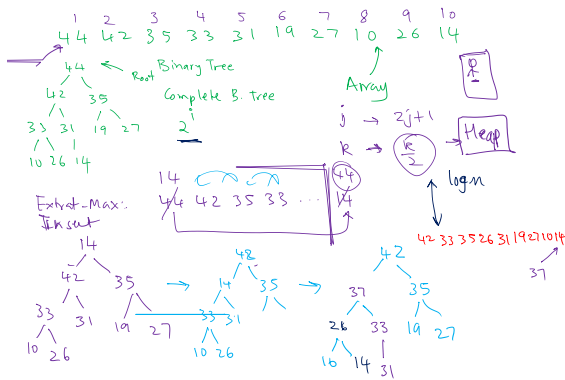
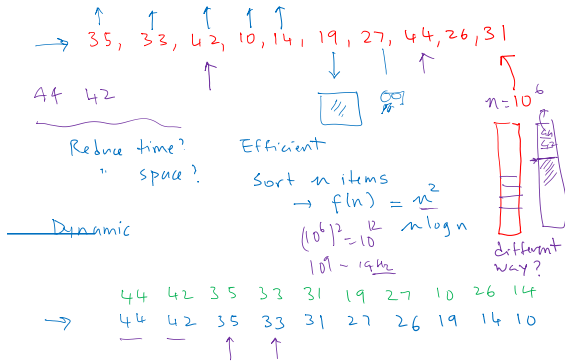
Agenda

- Twitter's banner problem
 - Sort of (this is my version)
- About the instructor
- Course policies
 - Minor
 - ALC

Twitter's Banner Problem

- People periodically post messages
- Problem: Place "most popular" posts on the top of the page dynamically
- Dynamic
 - Don't refresh too often (keep a window or batch of say 5 minutes) and process all posts in that batch
 - However, if there is a super interesting post in the middle of this, update the batch
- Most popular proxy: Large number of followers





$i: 0 = 2^0 = 1$
 $2^i = n \Rightarrow i = (\log n + 1)$
 priority queue

Twitter's Banner Problem

- Who: www.cse.iitb.ac.in/~sharat
- ~~May not~~ Does not know much, but willing to work hard and do his job
- Assumption: **students** in class , not test-takers
