

QUICK RETAP OF FIRST LECTURE

- Introduction (no material here strictly needed)
- Practical information (definitely needed)
- Basics
 - o RAM model (our computer model)
 - o Pseudocode
 - o Complexity analysis

Focus on how running time scales as input size increases

TODAY: SEARCHING AND SORTING

Truly basic operations on data

Assume we have data records sorted by some key

- personal records sorted by CPR number
- car records sorted by license plates
- books sorted by title and author

Want to be able to

- search by key to find record
- sort records on key (to speed up search)

In our lectures, just focus on sorting the keys and ignore the records