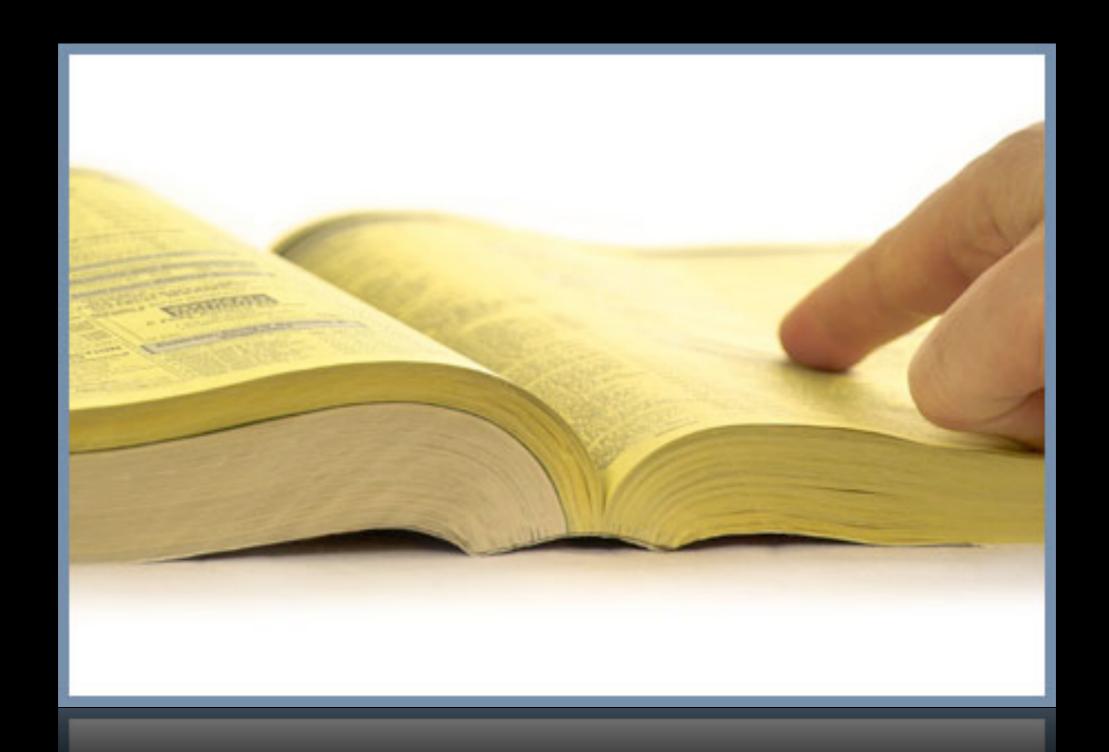
# This is CS50



### an algorithm

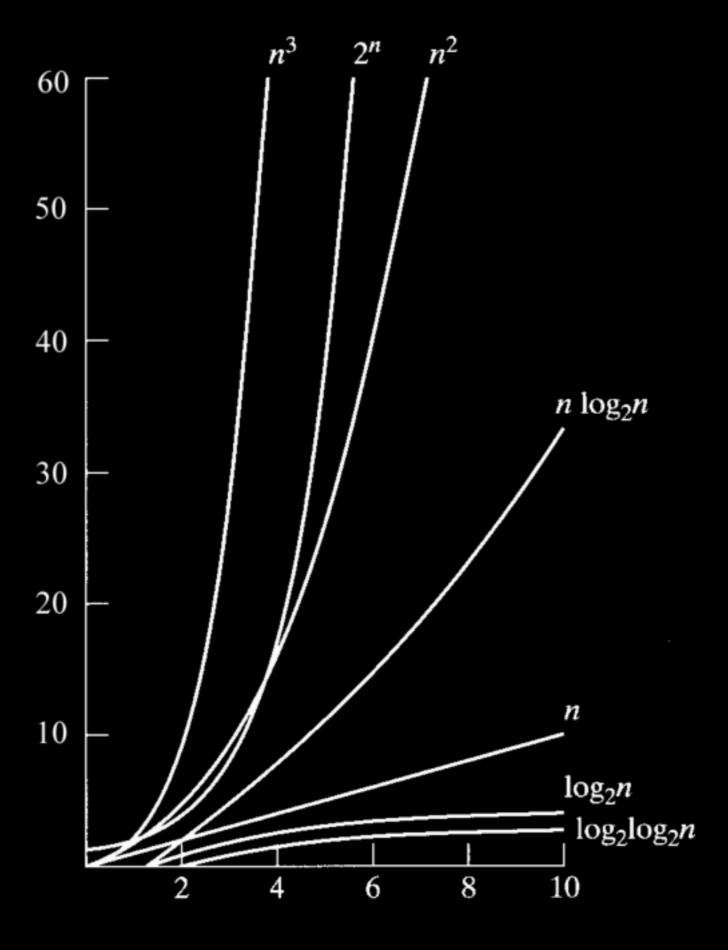
- I. stand up and think of the number I
- 2. pair off with someone standing, add your numbers together, and adopt the sum as your new number
- 3. one of you should sit down; the other should go back to step 2

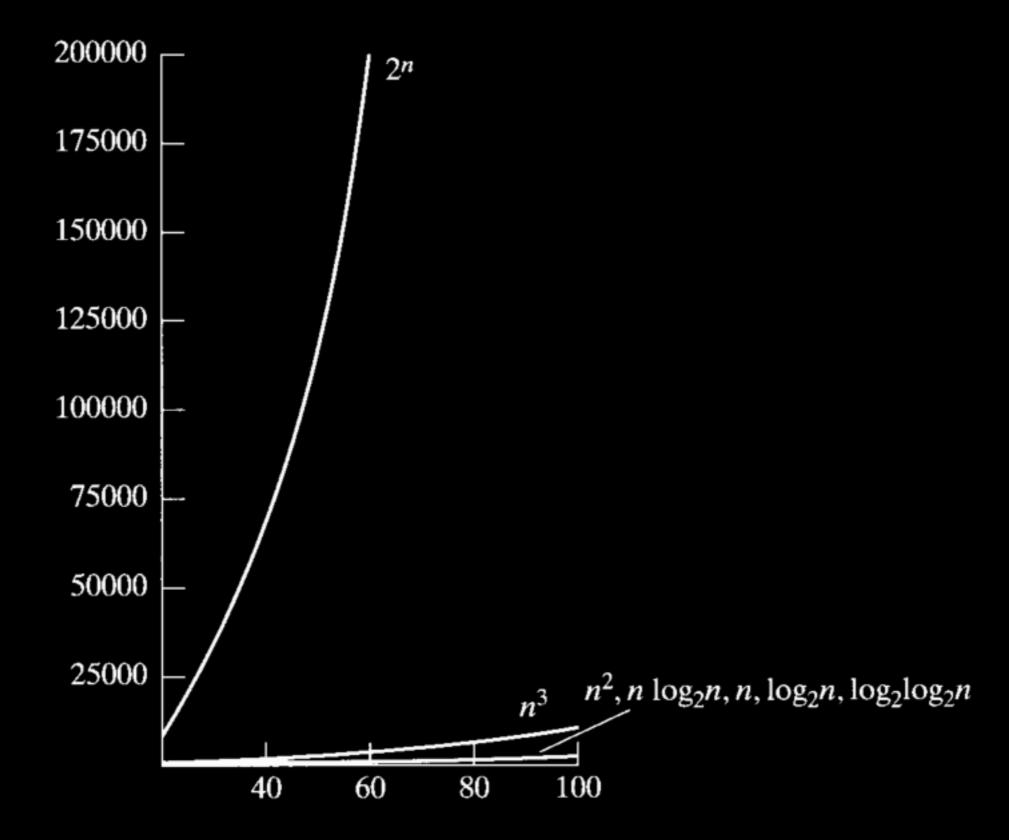
### another algorithm

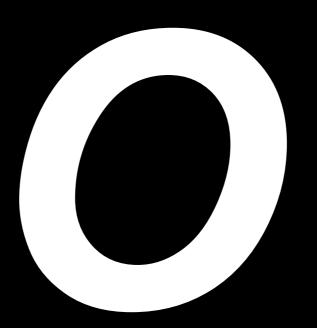
- 1. stand up if in orchestra section
- 2. pair off with someone standing; stay standing if you're taller, sit down if you're shorter; break tie randomly
- 3. if still standing, go to step 2

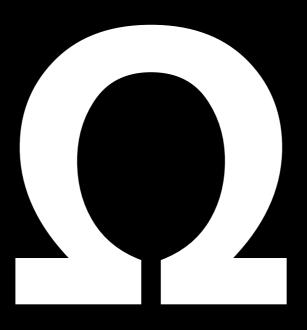
time to solve

size of problem

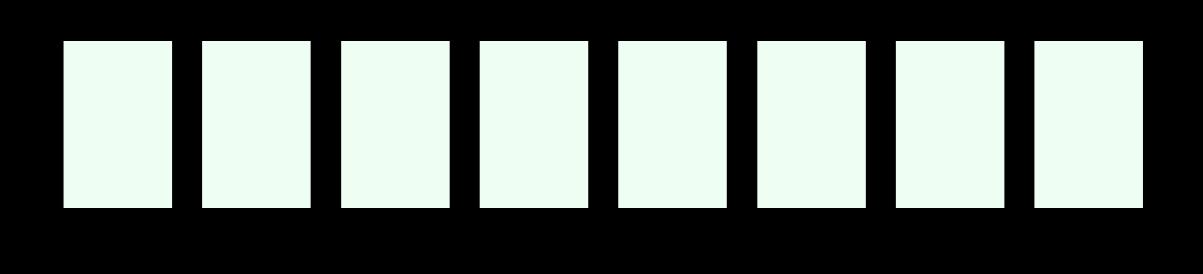












4 2 6 8 1 3 7 5

# bubble sort

# selection sort

### to be continued...