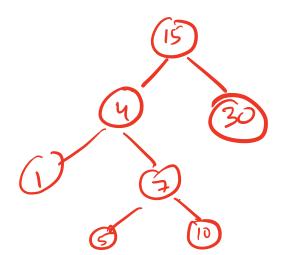
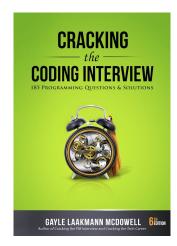
## INTERVIEW PRACTICE

Tips for Technical Interviews (coding)
#1 Listen carefully, look for unique info
#2 Draw an example.

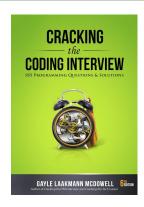




#64-67

## Tips for Technical Interviews

- 1. Listen carefully
- 2. Draw an example
- 3. State the brute force or a partially correct solution
  - then work to get at a better solution
- 4. Optimize:
  - Make time-space tradeoffs to optimize runtime
  - Precompute information Reorganize the data e.g. by sorting
- 5. Solidify your understanding of your algo before diving into writing code.
- 6. Start coding!

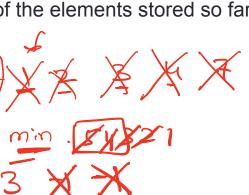


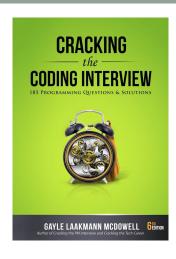
## Small group exercise

Write a ADT called minStack that provides the following methods

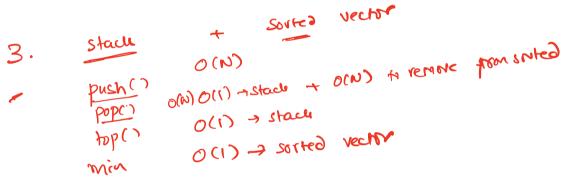
- push() // inserts an element to the "top" of the minStack
- pop() // removes the last element that was pushed on the stack
- top () // returns the last element that was pushed on the stack

min() // returns the minimum value of the elements stored so far





## 1. It state + variable to keep track min



Example run showing the issue with unique specific algo in missing parametry queue (with a specific algo in missing parametry)

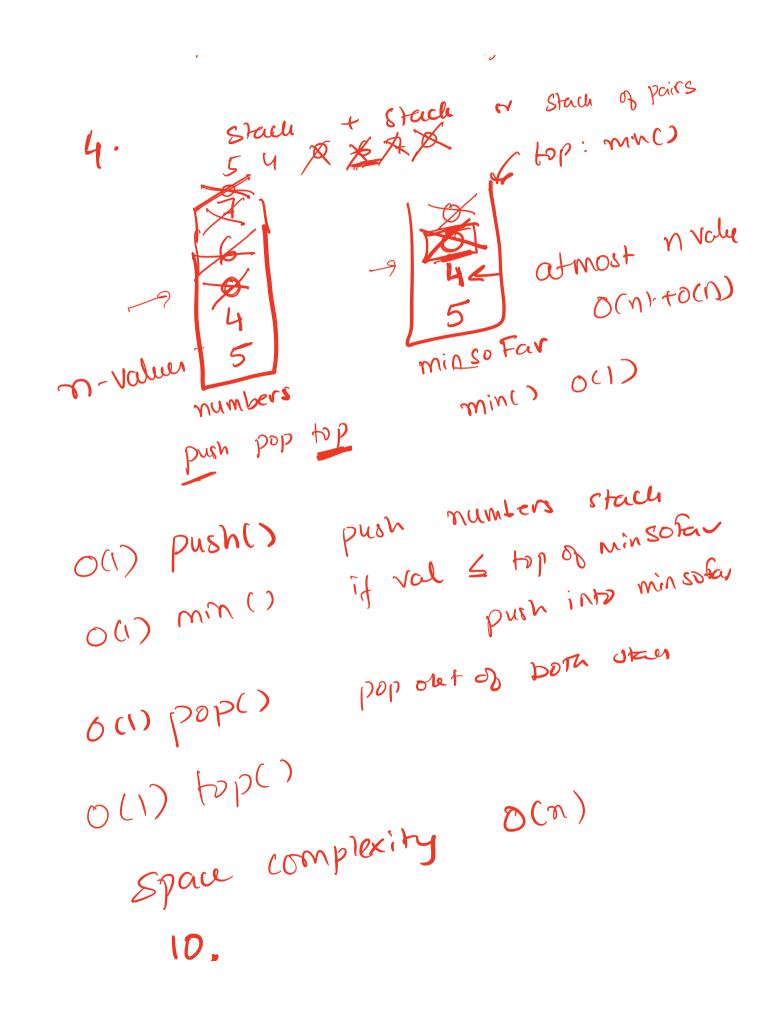
push 20

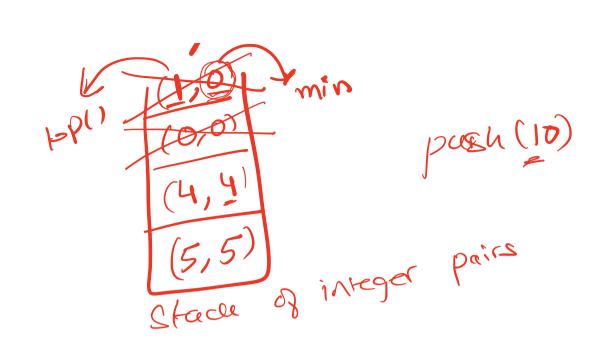
3

4

20

Priority queue





( last element pushed to the doppo Victor is the toppo Victor is the toppo of pool in the ctack)

O(1) print: print to and of vector

O(1) prop: remove from end of vector

O(1) pop: return last element in the vector

O(1) topp: will need to examine all elements

o (n) min: by find the min