REACTO

(Whiteboard) problem solving technique

LOGISTICS

◉ **Random pairs of 'interviewer' and 'candidate'**

◉ **Interviewers study problem night before**

◉ **IA presents problem to interviewers**   *15 min*

◉ **"Interview" time**   *30 min*

◉ **Problem solution/review**   *15 min*

WHITEBOARD

◉ **Technical interviews often involve a whiteboard (or an autocomplete-free text editor like Google Docs)**

◉ **Why?**

R estate

E xamples

A pproach

C ode

T est

O ptimize

Notice how far down this is

RESTATE

- Rephrase in your own words (diagram if useful)

- And/Or ask questions

- Keep going until you understand the problem

- Leads very naturally into…

EXAMPLES

- Representative input and output
- Consider edge cases
- Consider errors
- Write them down

APPROACH

◉ **Come up with at least one *conceptual* solution**

- identify pros and cons

- make simple, broad optimization choices here

◉ **Don't code!**

◉ **Show you can communicate**

◉ **Use this time to plan (crucial)**

CODE

- Start at top left (if whiteboard)

- Write small

- Minimal indenting

- Minimal line spacing

- Breadth first

TEST

- ◉ **Use Examples**
- ◉ **Be the machine**
- ◉ **Leads into…**

OPTIMIZE

◎ **How is it now?**

◎ **Count the steps (maybe during Tests)**

◎ **Consider the "space" necessary**

◎ **Consider time complexity (big O)**

- efficiency of an algorithm

- performance at scale.

◎ **How could it be more optimal?**

FINAL THOUGHTS

◉ **Think of the interviewer as a collaborator**

◉ **Enjoy it!**