

CS 314: Data Structures

March 22, 2020

Sam's Section

Slides available at: www.cs.utexas.edu/~slaberge

Help Hours & Piazza

- Help Hours get quite busy Wednesday and Thursday
 - Wait times are much shorter early in the week
- Piazza has a 7min average response time - use it to your advantage!
 - You can make private piazza posts with snippets of your code



Recursion Assignment

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Working With a Partner

- You can work with a partner on this assignment!
- Your partner must be in this discussion section
- Both of you must have enough slip days if you use any
- This does not mean you can Divide & Conquer the assignment, you should be doing Pair Programming (see the assignment page for more)
- **Get started early**, recursion can be very tricky if this is your first encounter with it
 - And even if you're experienced, getting good efficiency is not trivial.

Recursion Assignment

Style

- Once you find an *optimal* solution, stop searching!
- For canFlowOffMap & maze, review how we generalized checking directions for queensAreSafe in the first assignment (you can look at the Zoom recording on Canvas)
- Be *very* careful of magic characters and numbers
 - *Does this number/character have some other underlying meaning? Was it (somewhat) arbitrarily chosen by Mike?*

Section Problem

Recursion

Extra Problem

More Recursion!