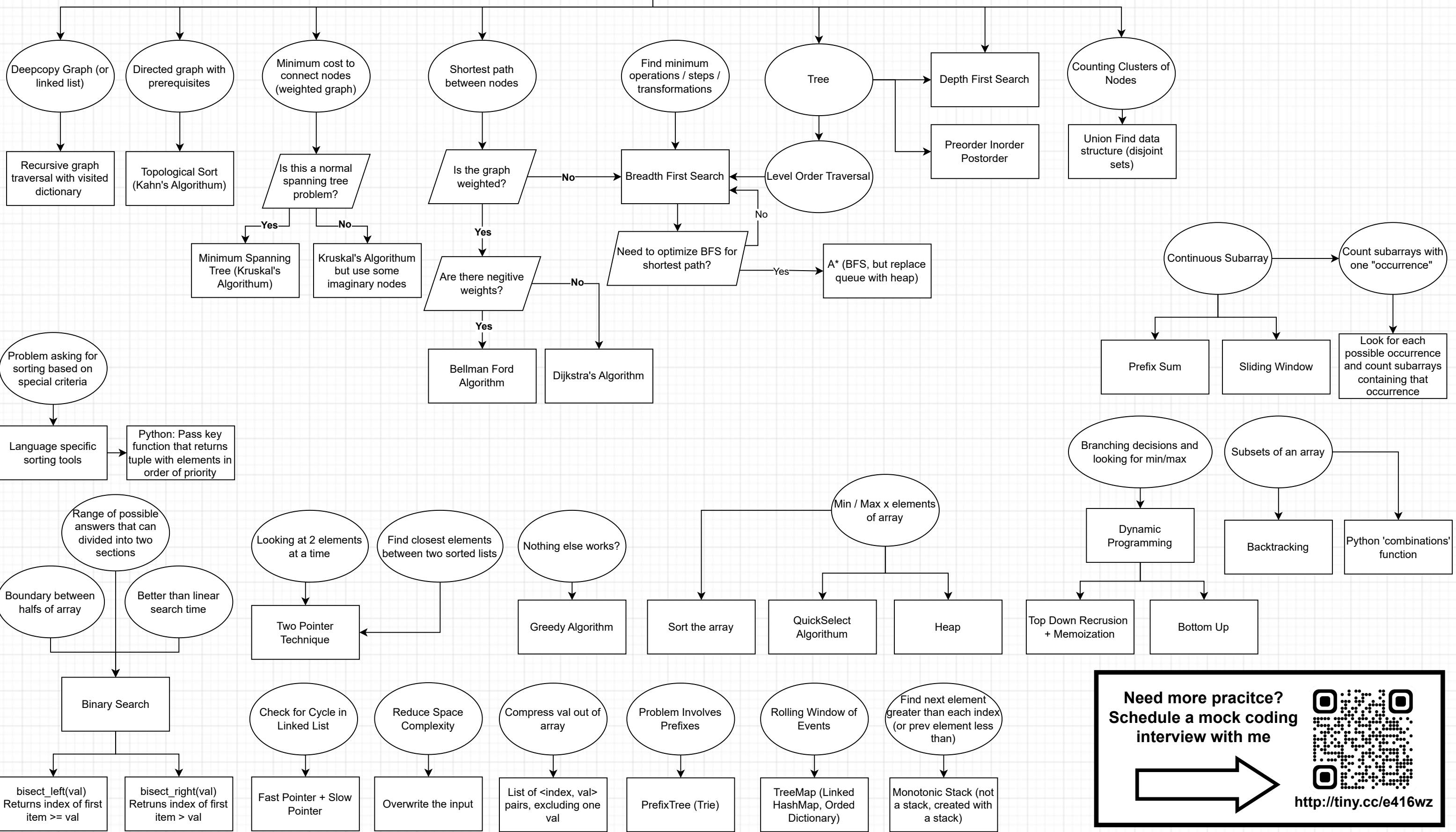
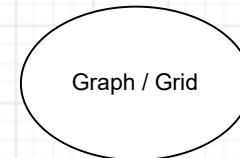
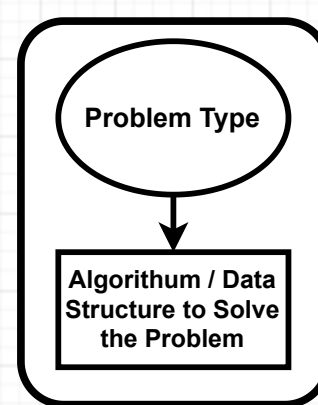
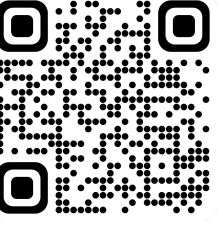
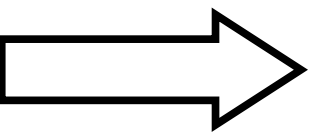


Coding Interview Cheat Sheet



Need more practice?
Schedule a mock coding interview with me



<http://tiny.cc/e416wz>

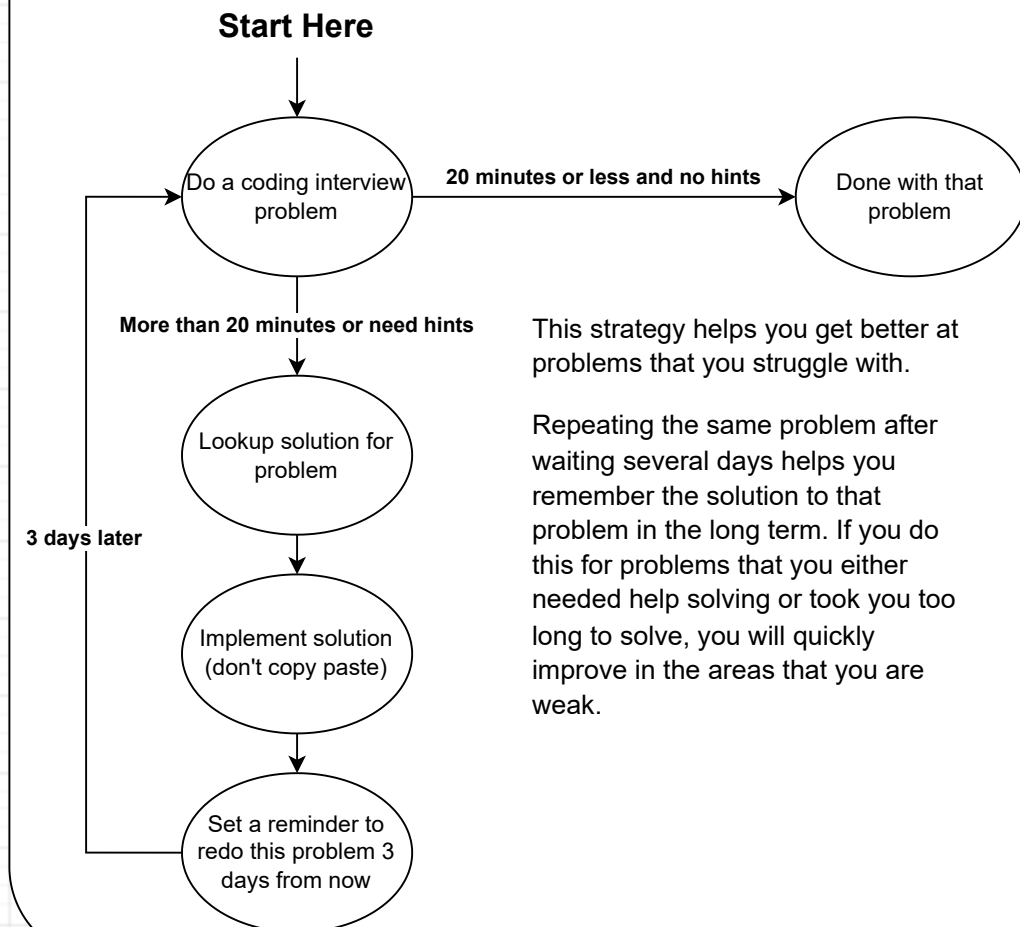
Coding Interview - Helpful Tips & Strategies

Helpful Python Features

If you're going to spend a lot of time preparing for coding interviews, I think it's worth while to learn Python. It's easy to learn, easy to write, and has a lot of helpful features that can make it much easier to solve problems. Below is a list of some helpful features in Python.

- **List comprehensions** can save time by using much shorter syntax to create a list
 - Tutorial: <http://tinyurl.com/2uek6vxt>
- The **combination** and **permutation functions** can save a lot of time by returning all the combinations or permutations for a given list of elements
 - Tutorial: <http://tinyurl.com/3aan5kby>
- **lru_cache** can be used to quickly optimize certain functions. It is often used to solve dynamic programming problems using a top down approach.
 - Tutorial: <http://tiny.cc/opj0wz>
- **bisect_left** and **bisect_right** are quick ways to binary search a sorted list
 - Tutorial: <http://tiny.cc/pwj0wz>
- **Nested functions** can help make your code readable and maintainable
 - Tutorial: <http://tiny.cc/jxj0wz>
- You can easily **return multiple values** from a function as a tuple
 - Tutorial: <http://tiny.cc/dyj0wz>
- **Key functions** can be used to easily sort a list based on complex criteria
 - Tutorial: <http://tiny.cc/dyj0wz>

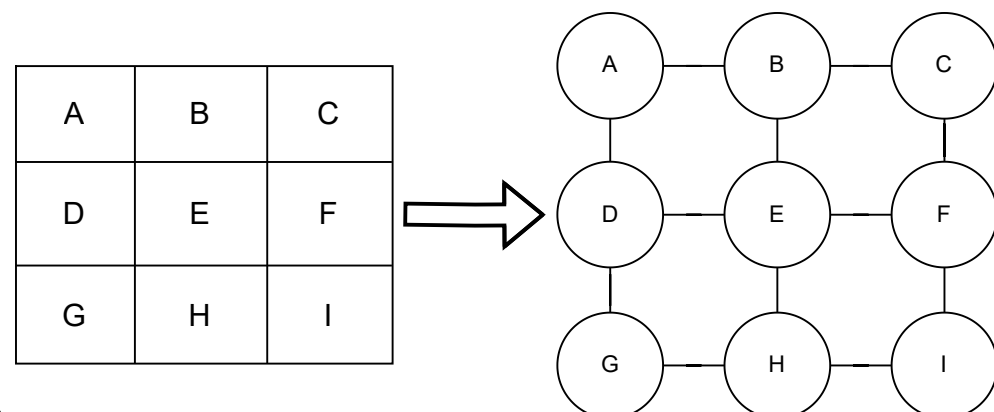
Spaced Repetition Strategy



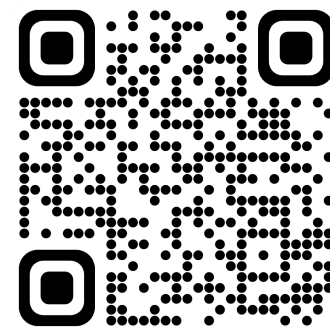
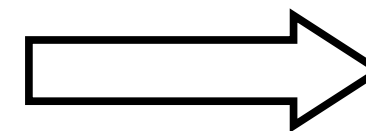
Graphs and Grids

Many coding interview problems involve a grid. It can be helpful to think of a grid like a graph where each cell in the grid is a node with edges connecting it to neighboring cells.

Many techniques and algorithms that can be applied to a graph can also be applied to grids. Depth First Search, Breadth First Search, etc



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