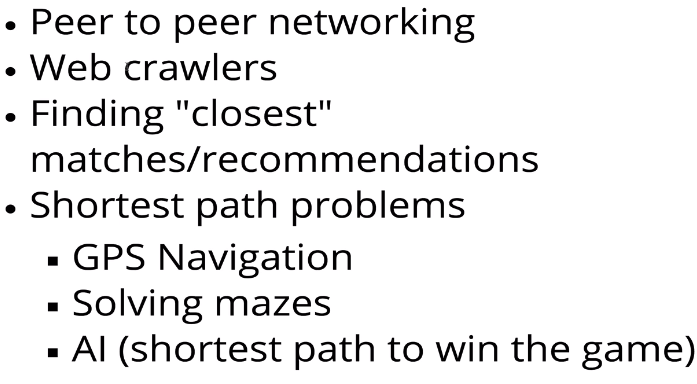
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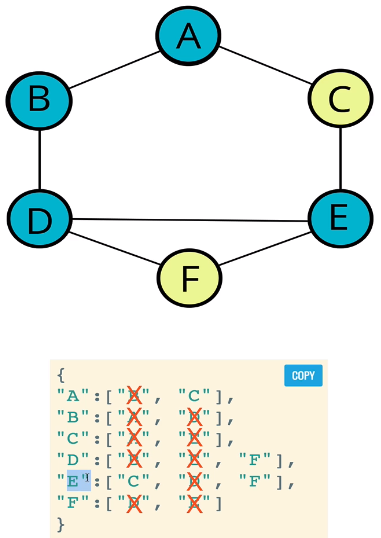
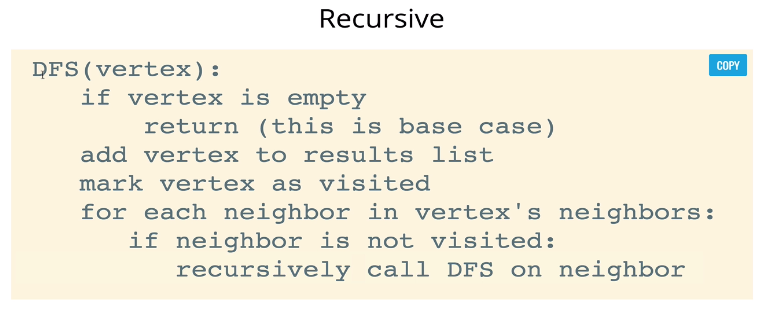
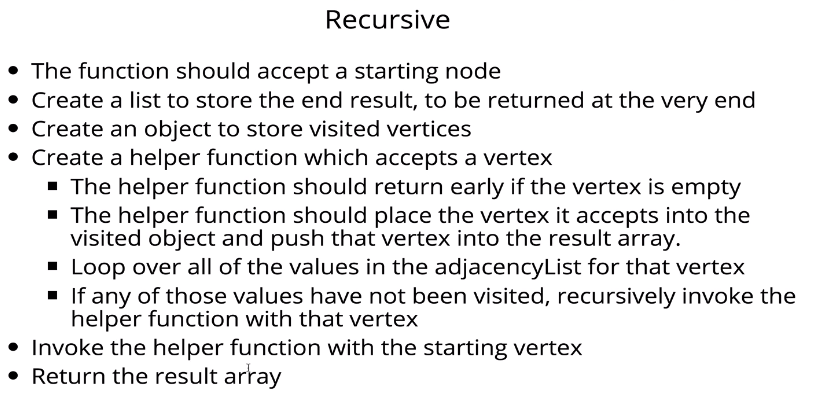
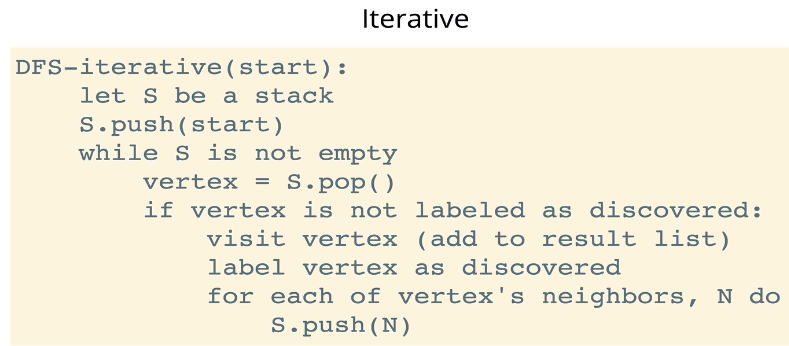
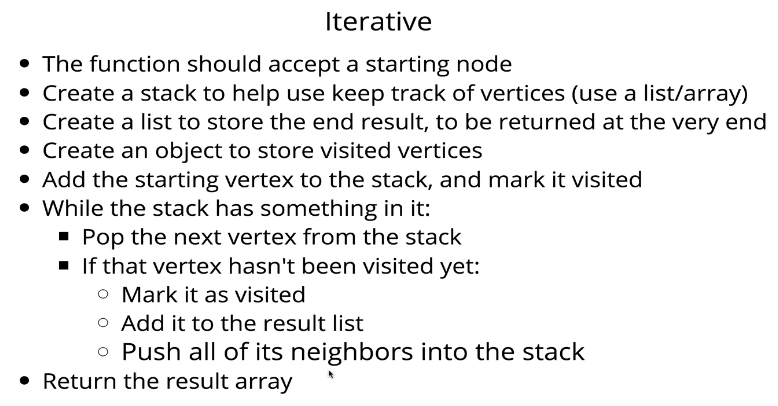
# Section 26: Graph Traversal

## What is Traversal?

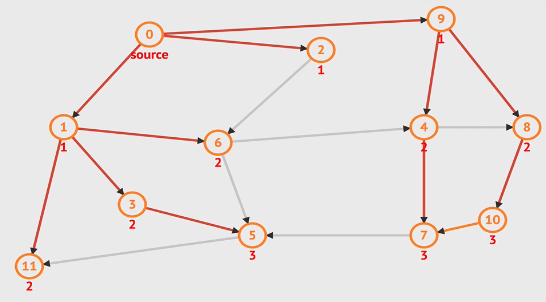
* Visiting/Updating/Checking each vertex in a graph
  + **Examples**:
    - 

## Types of Traversals (Recursive and Iterative)

### Depth First Search (aka DFS Traversal)

* Explore as far as possible down one branch before “backtracking”
  + **Diagram**:
    -  - cross-off as we go through the vertices
* **Recursive**
  + **Psuedo-code**:
    - 
    - 
* **Iterative**
  + **Psuedo-code**:
    - 
    - 
    - The resultArr that is returned is slightly different because of the .forEach loop over the neighbours
      * The neighbours are checked from the end of the array (stack)

### Breadth First Graph Traversal (BFS)

* Visiting neighbours at current depth before moving on
  + **Diagram**:
    - 
      * Visit neighbours of a node first, then next set of neighbours
* **Psuedo-code**:
  + 