

Today - Lecture 16 - CS163

1) Topic # 11 Graphs & Heaps

2) Discuss Deletion Algs

3) Examine what happens when we insert data that is already in order

Next part:

- Measuring Efficiency
- Sorting Algorithms

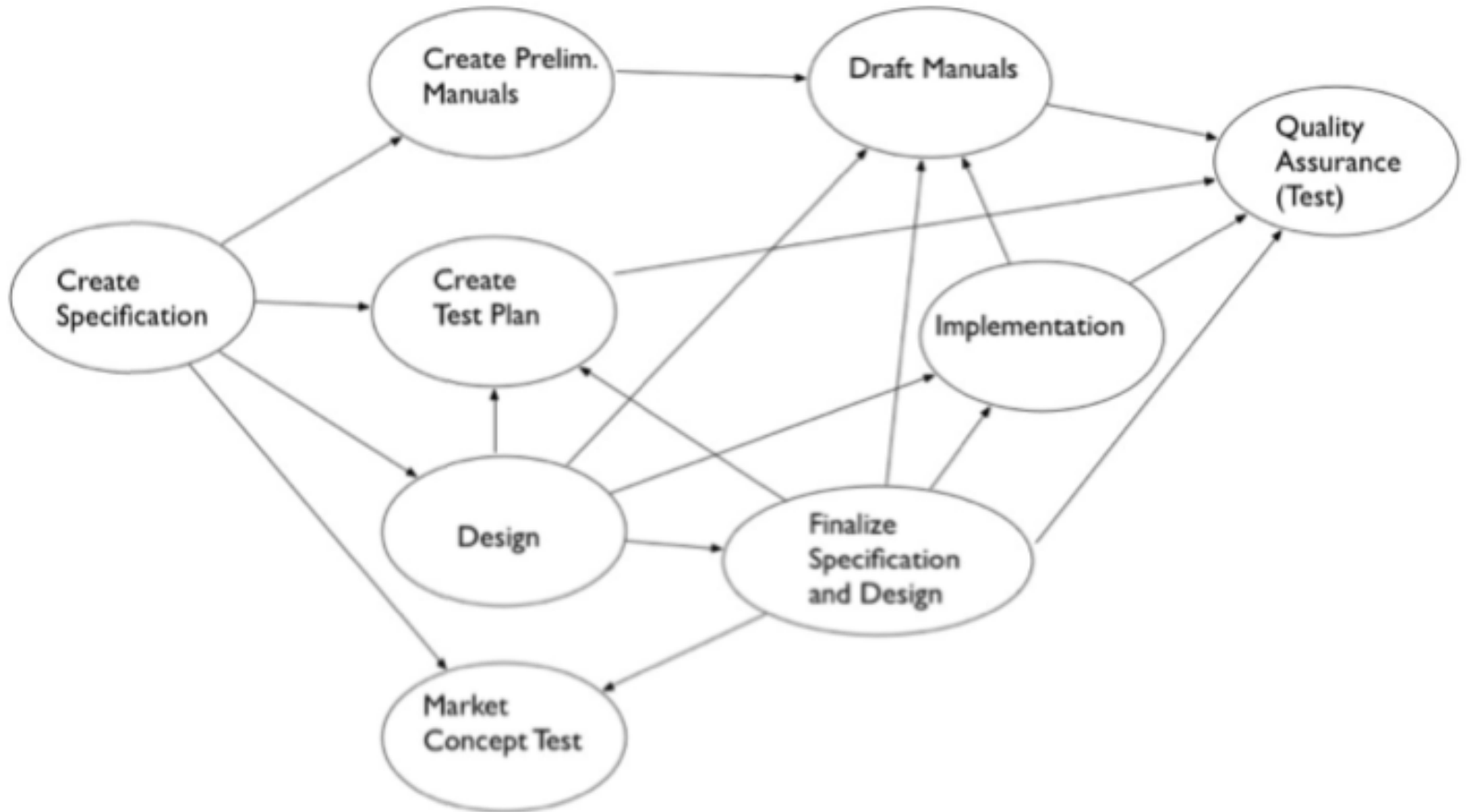
* Plan based on the final exam schedule

* The Last day to take a final is 3-23

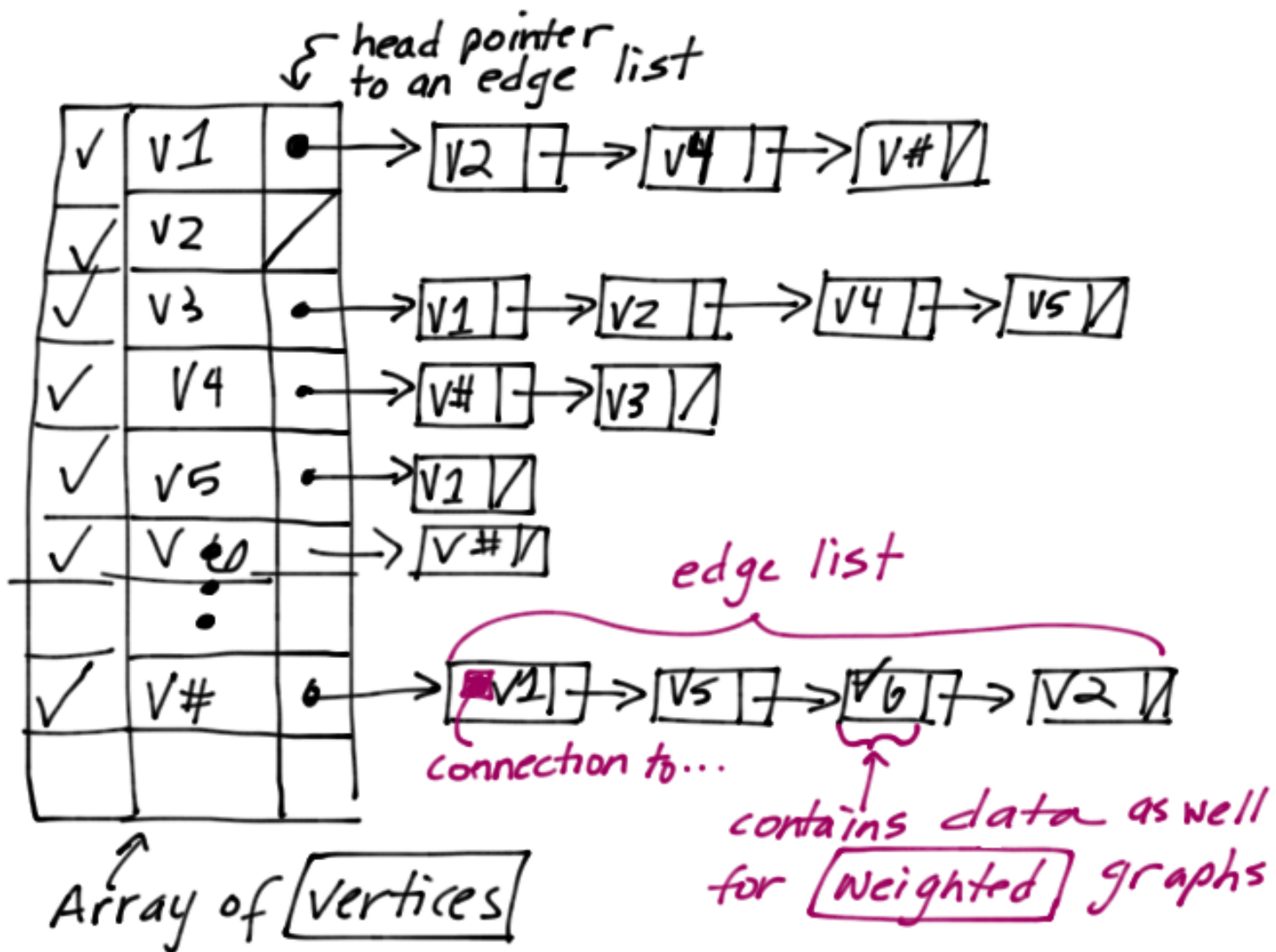
* The Last day to turn in work is 3-22

* Our Last quiz is active and ends Monday
March 12th 11:59

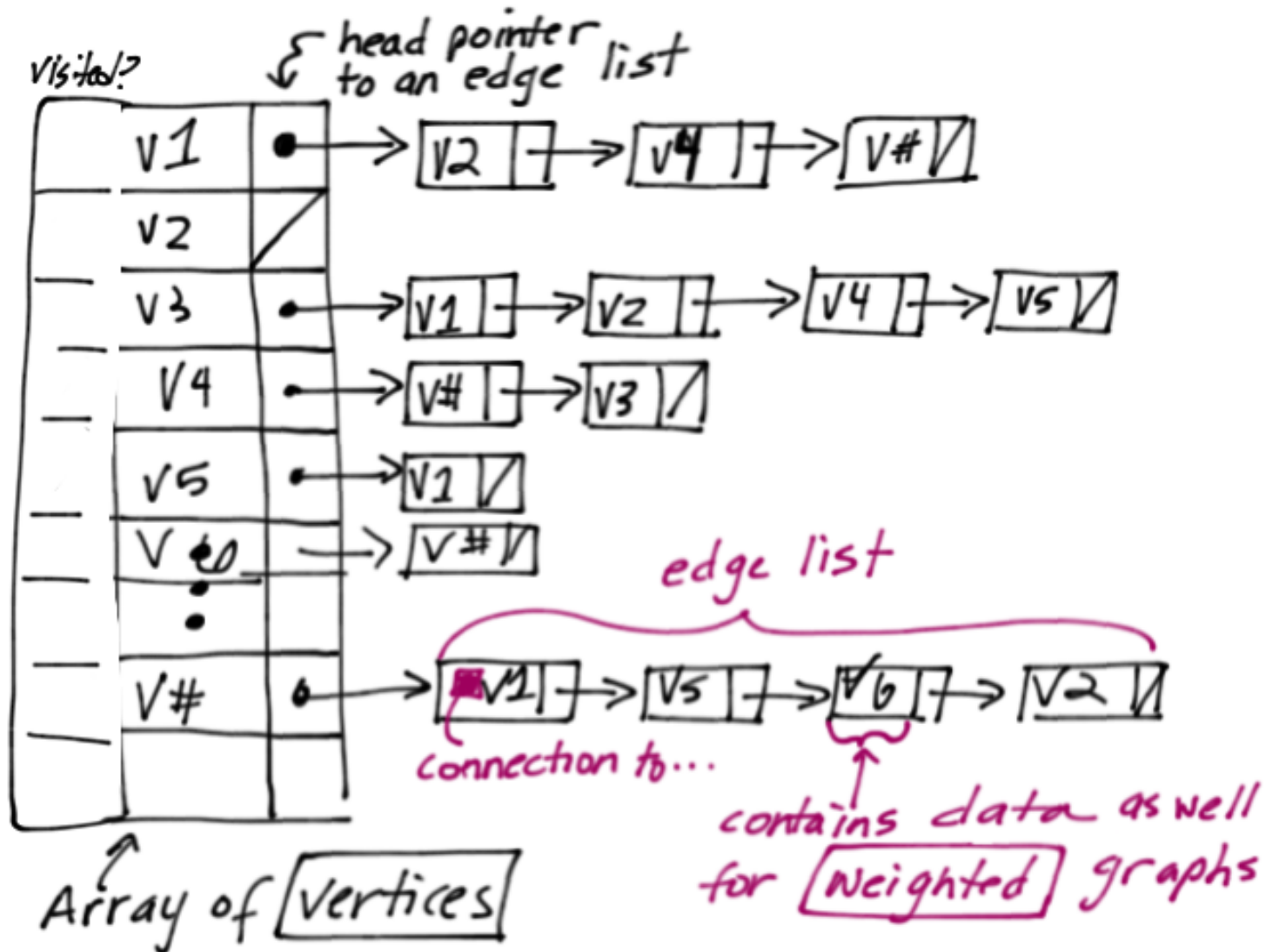
Example use of Graphs



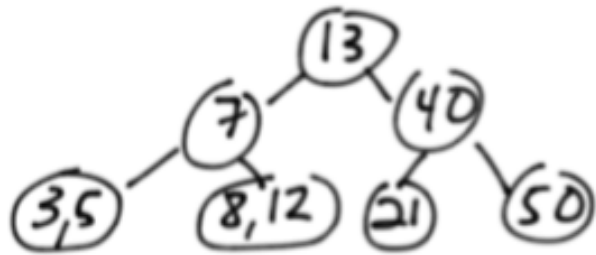
Depth First:



Breadth First!

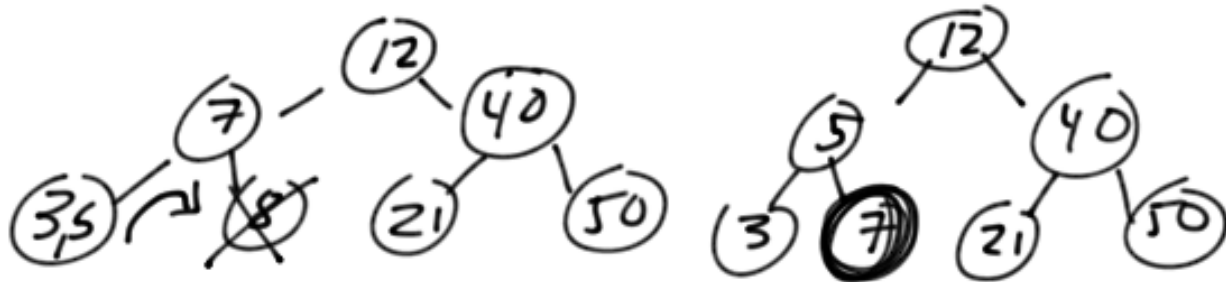


2-3 Tree Removal

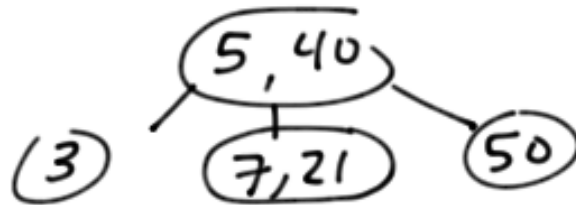


1) Causes No change in shape:
8 or 12, 3 or 5

2) Remove 13 → "borrow" 12



Remove 8
Remove 12



2-3-4 Tree Removal

