

Today - Lecture 16 - CS163

1) Topic #11 Graphs & Heaps

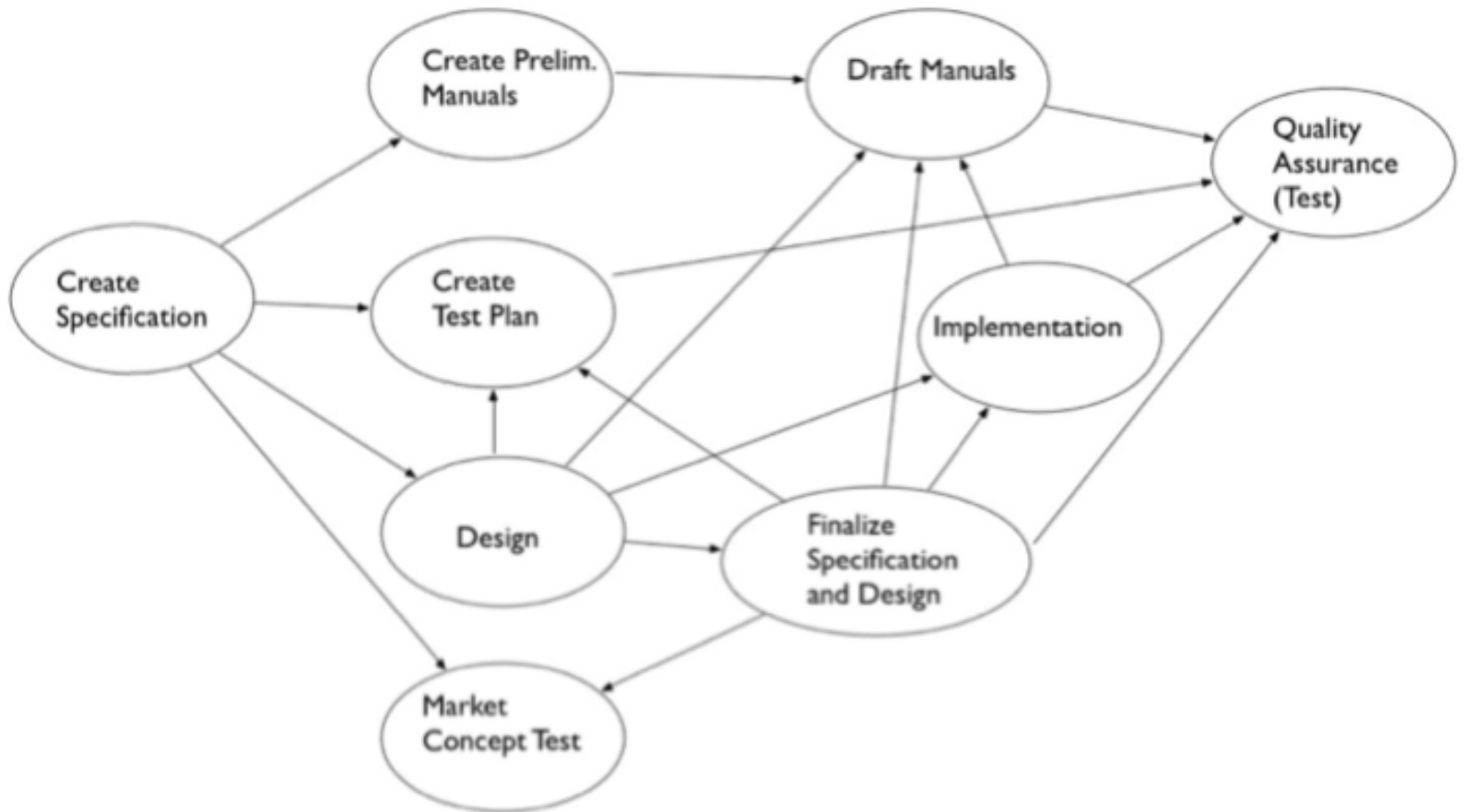
2) Discuss Deletion Algs

Next part:

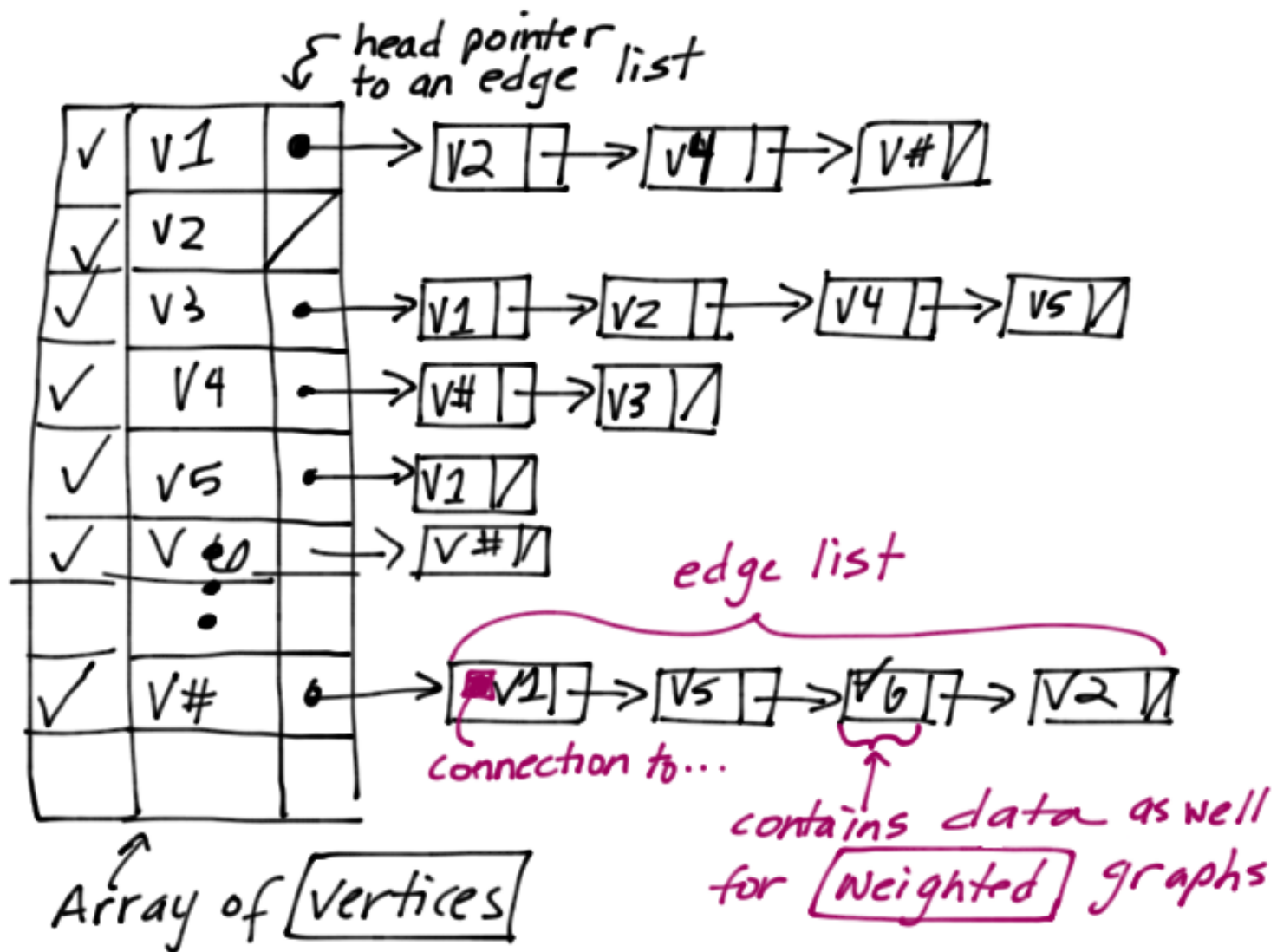
- Measuring Efficiency
- Sorting Algorithms

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

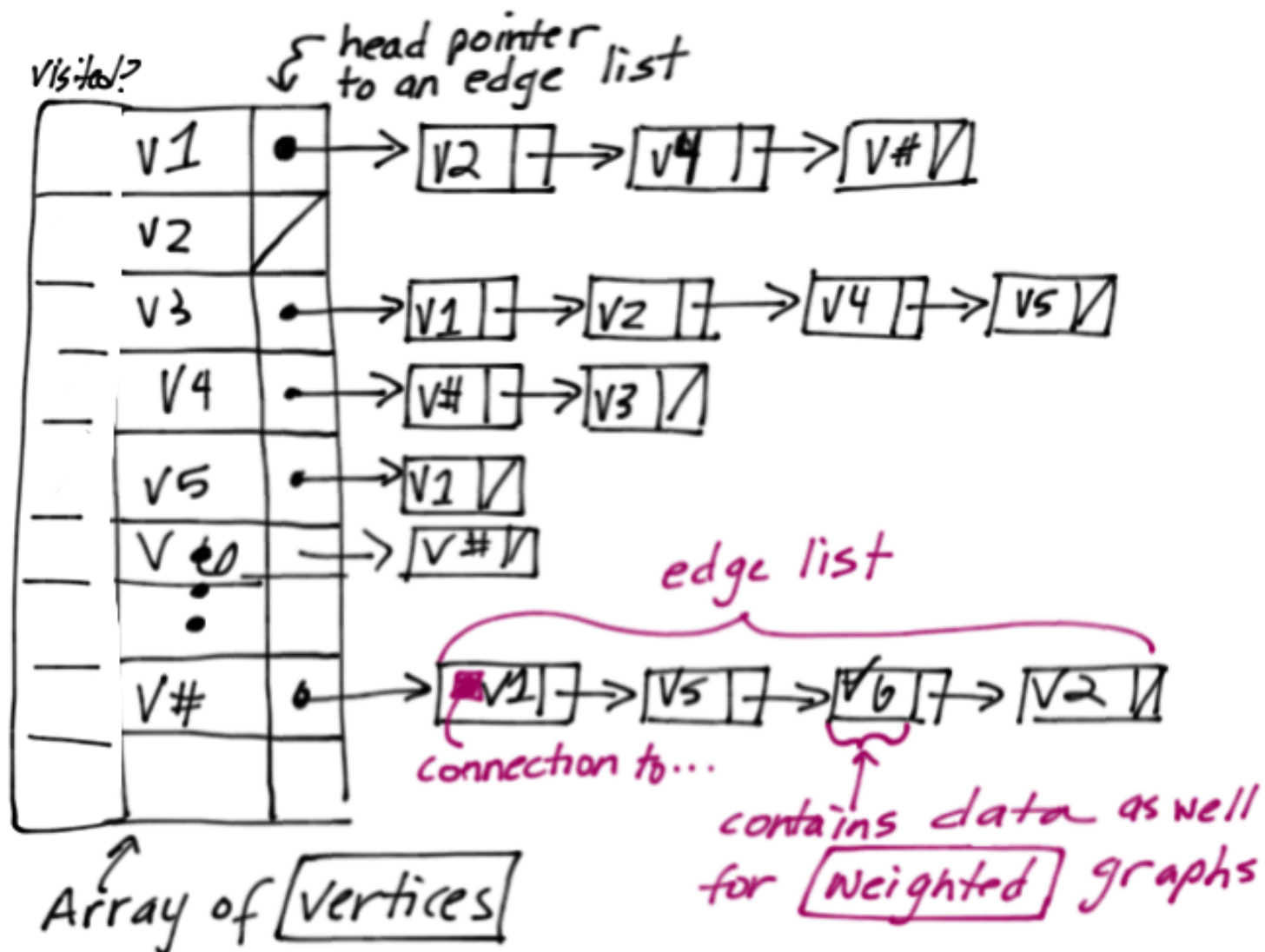
Example use of Graphs



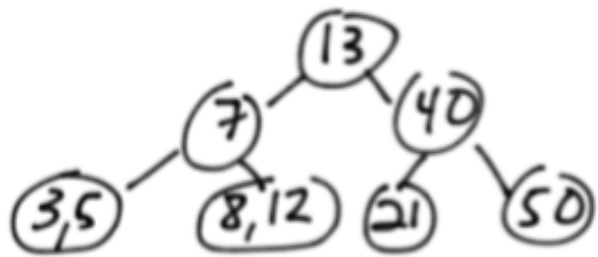
Depth First:



Breadth First!

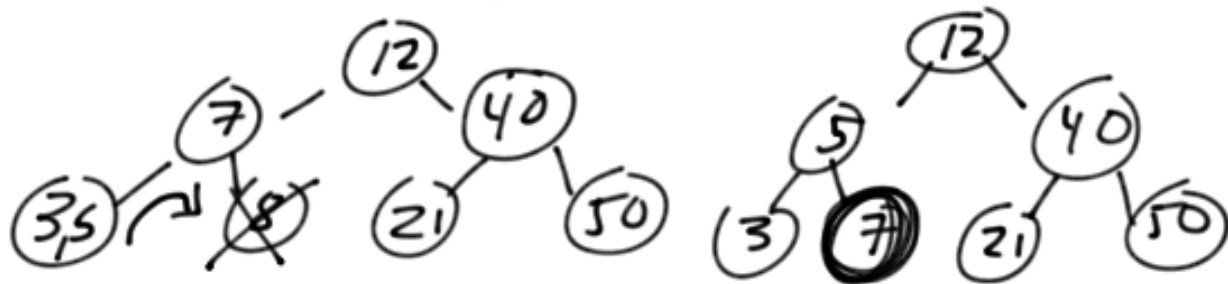


2-3 Tree Removal

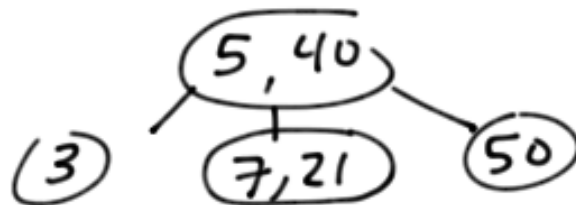


1) Causes No change in shape:
8 or 12, 3 or 5

2) Remove (13) → "borrow" (12)



Remove (8)
Remove (12)



2-3-4 Tree Removal

