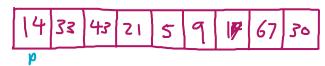
Quicksort

(1) Choose a "pivot."

In this note, our pivot-picking strategy hooses first element as pivt.



- 2) Partition: run Tony Hoare's In-place Partitioning scheme
 - · Partition = place all items less than or equal to the pivot to the left and all items greater than pivot to the right.
 - · Tony Hoare: accomplishes this in OCM time and O(1) space.
 - a) Put pivot to front of subarray.
 - b) Place L pointer at index 1.

c) Place 6 pointer at end.

d) Move pointers towards each other until L lands on an item that is greater than pivot and when 6 lands on an item less than or equal to pivot.

Supp items L and 6 are pointing to.

e) Repeat (d) until L is on right side of 6.