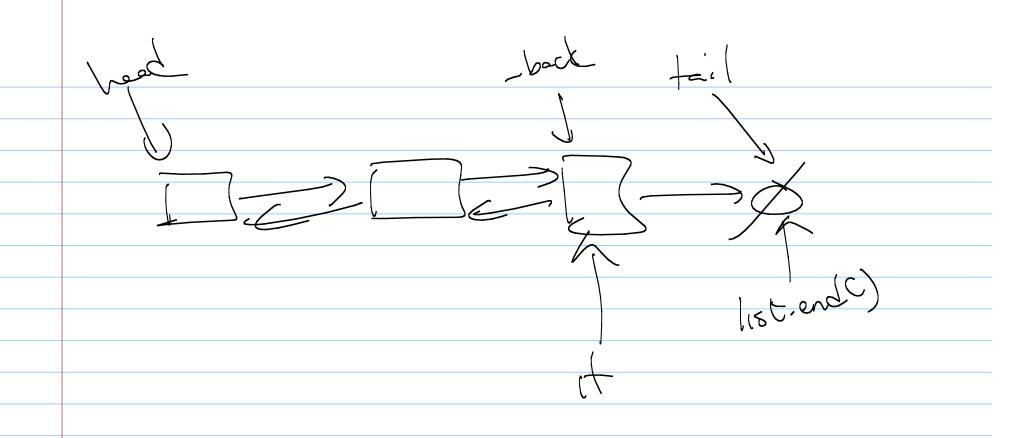
CS180 - Sorting a list	<u></u>
Announcements	
- Pragram due tomorrons	
- Program due tomorrow - New HW posted, due voit Wed.	



flow do we sort a list? , 2 10 -1 7 duide & conquer: quicksort Sorting algorithm #1. Poucksort Take first and Worst case: O(n²)
Randomized: O(nlog n) $(A-0) \qquad (Q-7)$ Everything less goes into left pile Everything bigger goes into right pile Base case: 51te of my pile is o'or I

Igorithm #2: Bubble Sort

Sorting Algorithm #3 uhile Asil index ++ - Ini Swap (nlogn) 000

Sorting Algorithm #4 Selection Sort

Sorting Algorithm erge Sort Another way: Broket Sort

Comparing them
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