Sorting

Items with s relation

- 1) If we always keep order in unsorted list > Stole otherwise > unstable
- 2) Inplace I not inplace

 if we reed

 extra space

 (temp)
- 3) Internal lex ternal

 if data is larger you have to ab partial sorting.
- (A) Comparison based or Linear Sort

 Sucket O(n)

 Sort

 Rodix Sort

 Counting Sort

Selection -> Brote Porce, #swaps is limited to Ocn) in place

ES 1 E O(n2)

i=0 j=1+1

Bubble Sort -> Brute force, in place

Insertion Sort -> Brute force, in place

Merge scort > Divide & conquerino+ in place