## Sorting

Oneeds to allucate menory

Selection Sort O(n2) Non slot	Insertion Sort O(n2) Stab
n: Size of the array	1) Start ceith one
) ( ,	L) Pick next one
1) find largest in [0,, n-1]	
2) Swap it with h-1	ordereb
3 n==1, Goto 1	
<u></u>	$\mathcal{G}^{\prime}$
Select bigest	•
Surep it	
Merge Sort O(n logn) stable	Quick Sort non-stable
not-inplue	In-place
fordered	x uses partition
pick major, repeat	