## Bubble & Quick Sort - time complexity

## Bubble sort:

1. If list is already sorted O(N)

2. average cose time Complexity O(r)

3. No extra space is needed in bubble sort.

4. A stable & adaptive algorithm

## Quick Sort:

1. Ovick sost worst an complainty o(n2).

3. no entra space is needed.

4. Quick sost is also known as partition exchange sort

-> Both sosting are inplace sorting