*Name:Ziad Sherif Muhammed BN:27 Sec:1*

Alpha: Insertion Sort

Gamma: Merge Sort

Elipson: Quick Sort

Zeta: Selection Sort

Thete: Heap Sort

**Clarification:**

1-Alpha is Insertion🡪 Because it’s Best Case is O(n) in (in Order ) which has a flag indicates that is no movements has been happened ,so it’s movements is equal to Zero

2-Gama is Merga🡪 Because it’s Complexity in all Cases (in order,random,almost order) is Which is Nlogn. And has Same Movements (Create new array in every Call)🡪Same Space Complexity O(N).

3-Elipson is Quick 🡪 Due to its complexity in Worst Case N^2 which is in (in order case) while its best case is Nlogn which is in (random the data) so it has lower number of movements.

4-Zeta is Selection🡪Because its complexity is N^2 and is Constant in all Cases, and gives zero Movements.

5-Theta is Heap🡪Because I have already got all sorts :D and also all cases around Nlogn .