Comparison between recursion and non recursion

Time complexity	Best case	Worst case	Average case
Recursion	O(nlogn)	O(nlogn)	O(nlogn)
Non recursion	O(n)	O(n^2)	O(n^2)

- Time complexity of non recursion is O(n^2)
- Time complexity of recursion is O(nlogn)
- Then recursion distinct is better than non recursion distinct in time complexity
- Min(recursion,non recursion)= recursion