



$$T(n) = O(n^2)$$

3) Sorting of on mumbers => 25th Largest element is selected

as pivat using O(n²)

worst case time

complexity of QuickSort

$$L(u) = \int L(u-52) + u_{7}$$

$$L(u) = \int L(u-52) + L(54) + u_{5} + u$$

$$T(n) \implies O(m^3)$$