```
a) OF Each 1st takes O(Ka) & thre are The sublish is O(2k.K2) = O(NK)
b) We have The sublist, somewh since we may a sublists
 together, there is a total of loga ( >K) mayer with
each muze taking O(h) time
 .. We have O(n.log(7k))
c) nk +nlog(1/x) = nlogn
 mk +nlogn-nlogk
 = n(K+ logn -log/x) son
so the man value eafor to teep this time complexity
would be to loga
       => n(logn+logn-logk) => n(dlogn-logk)
                            2> Olnlogn
```

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