Sorry Aproads.

Sorry Manoads.

T.C- D(nlogn)

Sc= O(N) / Ollegn)

- Create a min heap - O(N)

- Keep contracting man. - K-times.

L. Xlogn

S. C= D(1)

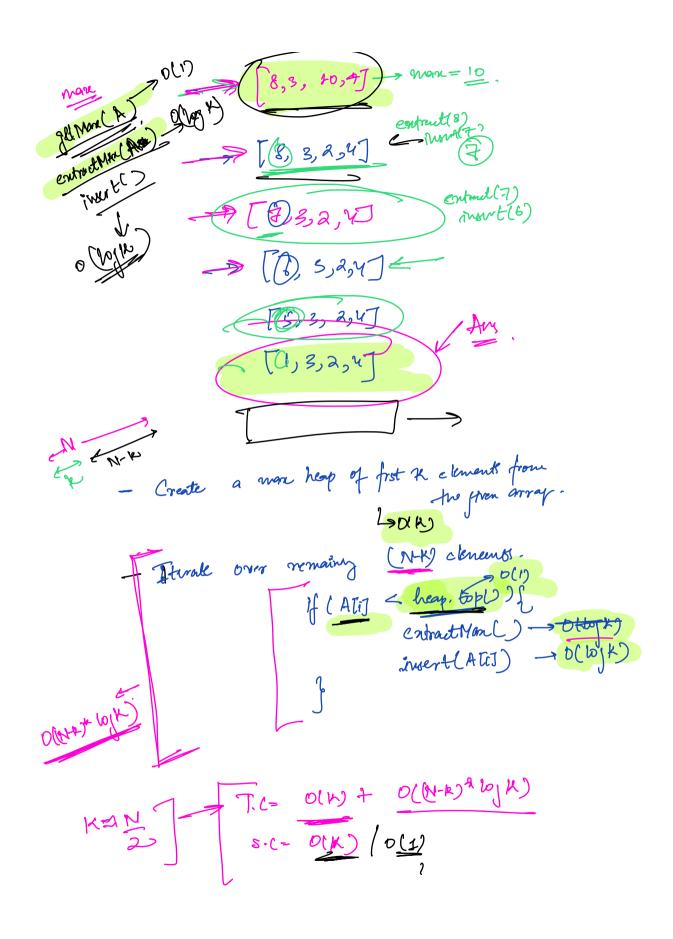
Connot anodify the given array.

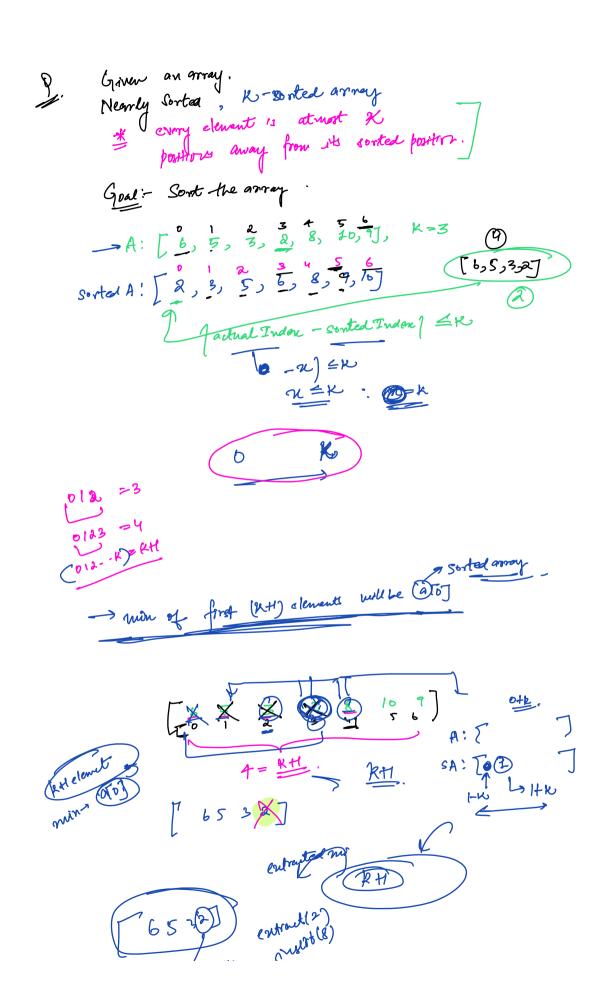
A-[8, 3, 10, 4] [1, 8, 7, 6, 5)1]

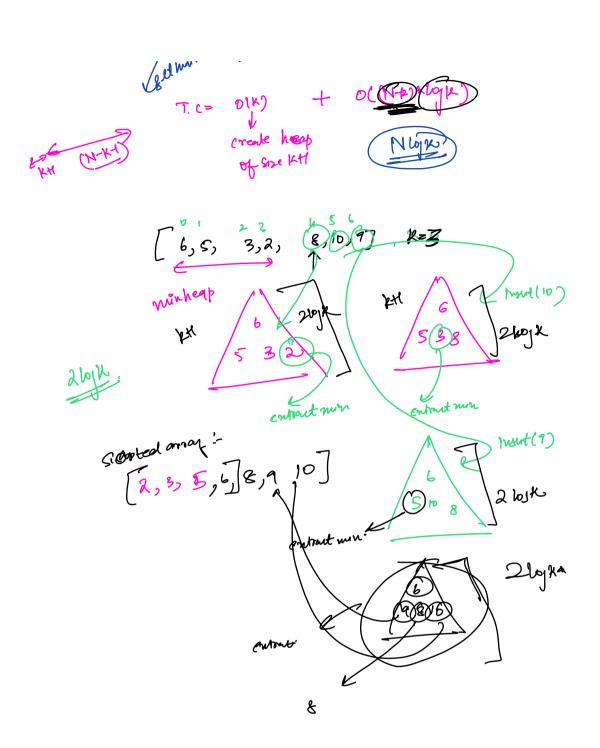
[8,3,10,4]

ATij < getMAZ()

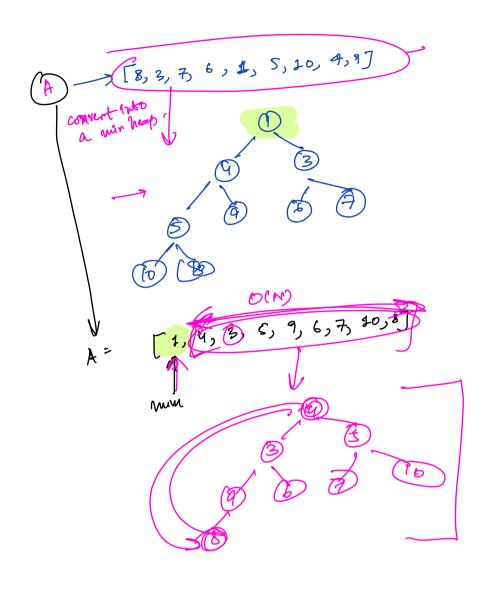
20.

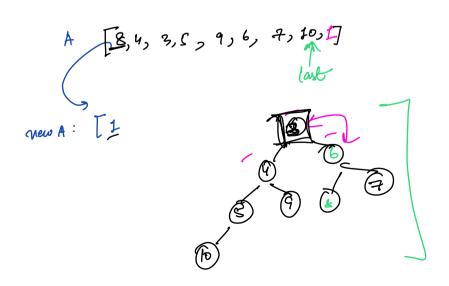


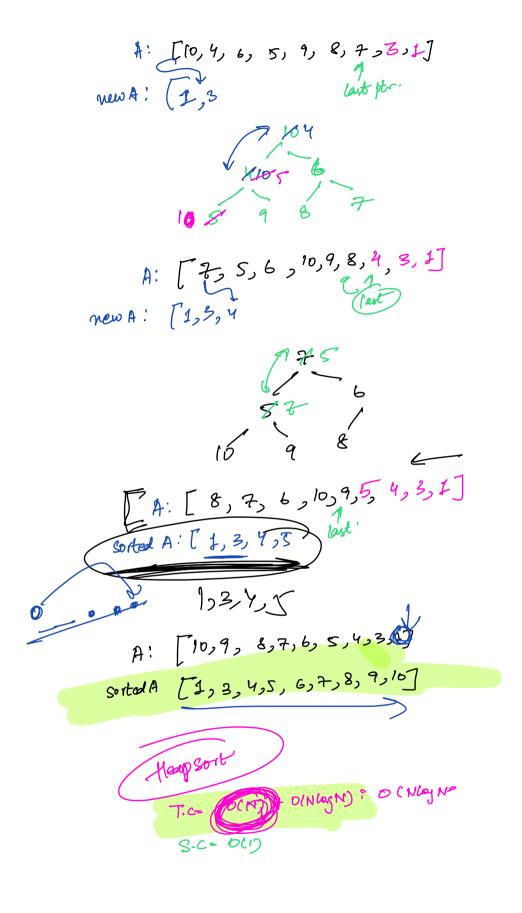


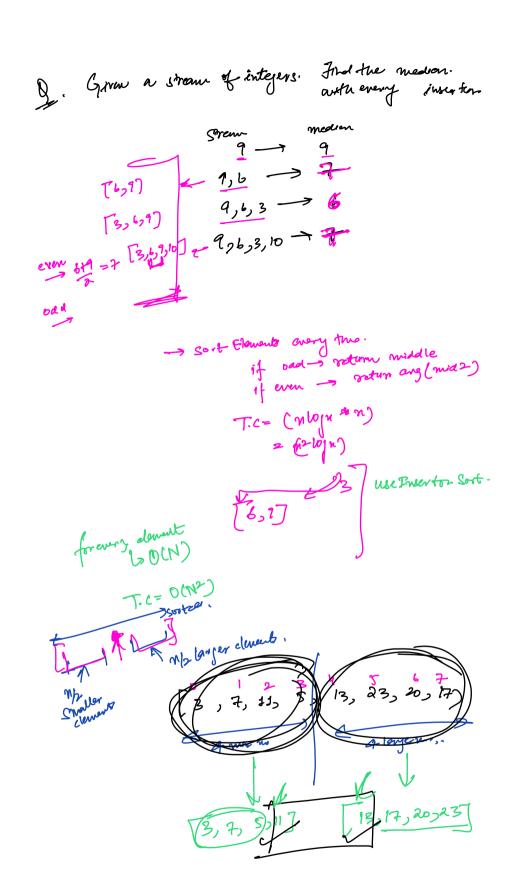


g. Given an array. Sortit Emplace. L> s.c. 0(1) Bubble Sort Twenton Cort Selection Sort Selection Sort + How a heap is creates. -> [8, 3, 7, 6, 1, 5, 10, 4,9] · Crove heap · entract moun Selection soot.









Steps.

- 1) Divide the elements into 2 groups.
- The no. of clements = even and left), noncrepts)

 The no. of clements = odd for seaton element if left group has seaton element return more (left)

 cle return man (right)

How to dinde the clements, right median

1 of new num > median

1 of right

else go to reft.

