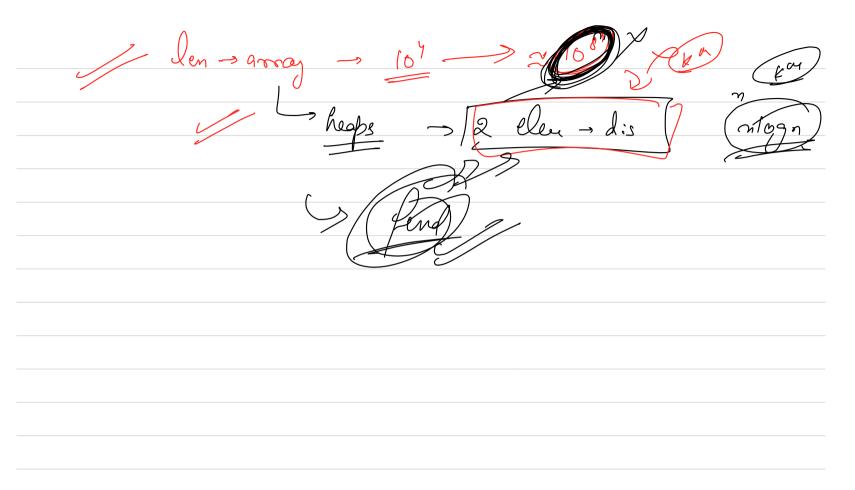


+ Most Important Copies co. r.t Interviews: bhs (BFS, DFS, Topological 3 ort, Shortest path)

Medu - Hard untiger averag return the Kth Smallest La Cumen an distance among all the possible fairs. The distance of a pain (A, B) is defined as absolute deference belove A and B. Ed [1, 3, 1) K=1 $\frac{1}{1} \frac{1}{3} \frac{1}$ the constraint of money

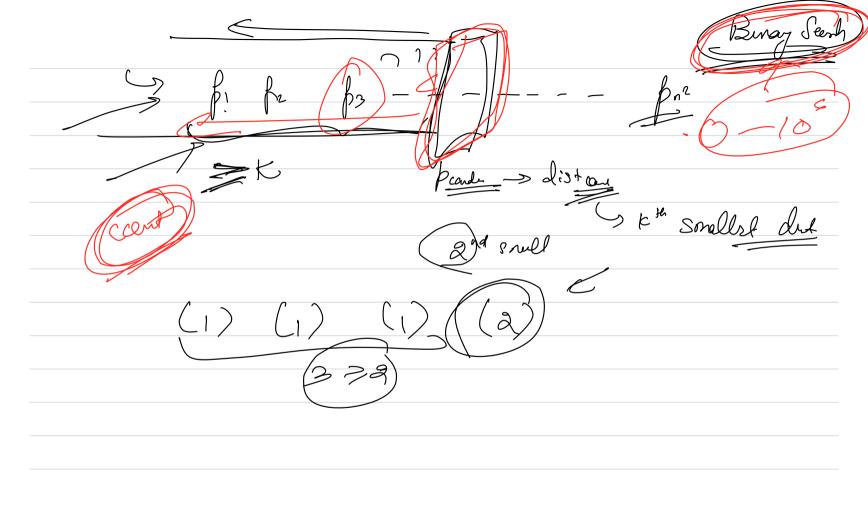
(of A[i] < 10

K < (1x (nm))/2



What is the Smallest possible distance we can have >0 What is the largest possible deslar en la hare to Our Kre smallest dislane will be belie 10-106 We have any candidate $\in [0, 10^6]$ This well be true if learly if there are \times or more

four all list less than or qual to candidate



Crewen a dist, find count of four how det < Condidale dist Mow we can solve?? Search span - 0-106

to calculate Court Such nad pay might is < mid there distance pointers for any -> a, < az < az - fat - - an we choose any j'inden, fend the smallest i' arcy) - arcij < mid

Cint j=0' j <n j j + +) {
while Caro (j) - are (i) log H

 $\rightarrow N\log N + N\log Alij$ $\rightarrow N \left(\log N + \log Alij\right)$

e Miniman Problem & For have a network will on junctions Som

underschand spaths where every path Connects
a lower number junction to a higher 500, junc!

Each pall has a no assovaled well it.

You need to find a pall from junction (1) to function (n), consisting of atmost (d) edges on which the manuments of the 10.2 is meniment 05 no med 5109 25 m 510 possible. $1 \leq m \leq 10^{S}$ $1 \leq d \leq 10^{S}$

4 junder

donier-lu-> min-ut => minim ruf of cell edy upper-limit - man-wit - manimum wit of nummere the man cut find a fall from (1) - (n) Sub not the cut & mid

man edp wt

House robler if at any point of Time folio alam ull stark. Man money he can rob??

= man