Wednesday, 29 December 2021 12:13 PM longest Happy string longest possible happy string. Eg: a=1, t=1, c= + ccaccbec To have the longest happy string, we want to greedily do 2 things:le use as many as possible char with to achieve D\_ we need to have In the away as [<u>c</u> <u>c</u> <u>a</u> <u>c</u> <u>e</u> <u>b</u> <u>c</u> <u>c</u>]

least ruember of uneque Entegene & removals. array of Entegers ar = [(4), 3, (1), 3, 3, (2)]

Using among to count each occurrer. 2011 signifies that there are 2 ele with freq D. (3)

From small to big, for each unvisited least freq element, deduct from K the multiplication with the mo. I ele of Rame -> If reaching o, then deduct the court court

Quive reconstruction by height Greedy approach: Assume, all people one of same height.

[7,1], [7,0] 「<sub>1</sub>, 。」, [1, 1] [7,1], [6,1), [7,0]

(7,0) (6,1] -> Sort the tallest guys in the ascending order by k-values and then Ensest them one by one ento subput queue at the Enderses equal to them R-values.

Take the next height in descreasing order. Sort the guys of that neight in ascending order by k-values and then insert them one by one into output queue.

[7,0], [4,4], [7,1], [5,0], [6,1], [5,2] [7,0], [7,1], [6,1], [5,0], [5,2], [4,4]

[5,0] [4,0], [5,2], [6,1], (4,4), (A,1) Try Emplementation