This rank done wing. nested for loop. O(N2) complessed I have anymy ans[j]= may / ans[i] & for these position ans[i] (j-i)nand[j]) Y i from (1 to (1-1)) Is three any evay to calculate on the this faster than O(N) ? Mune Step to I that could then I [ansli], (j-1) Coption 17 171j7K maintain this ay the jortonder. num [j] (j-i) + As numbled is different numb[K](K-j) for all indexy. Caption 2 + i to U drived (N-i) number forming (K-j)num[K] +(j-i)num[K]

Compare both options.

i >j = u > (j-i) moms (j) + (u-j) noms [u)

dink - (in-i) noms[k] + (k-j) noms[k]

well case 1 (nors[11]) nors(j).)

It's letter to jump sheeting to U

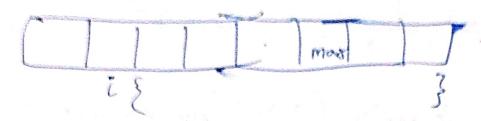
Caye 2 (nums[j]) noms[u])

Ets better to jump stant to j first and then the So you pick the bentlit of num [j] over num [u] and don't miss out on it

Man 7 mas 7

In Prief, if you are at position; its fetter to jump to a position. (p). where nums (p) is the mason the right hand side of i.

So let let consider how you can code this.



magic use a priority goeve string element in the suffer, or a traset of (nors [i], i) descending order to get

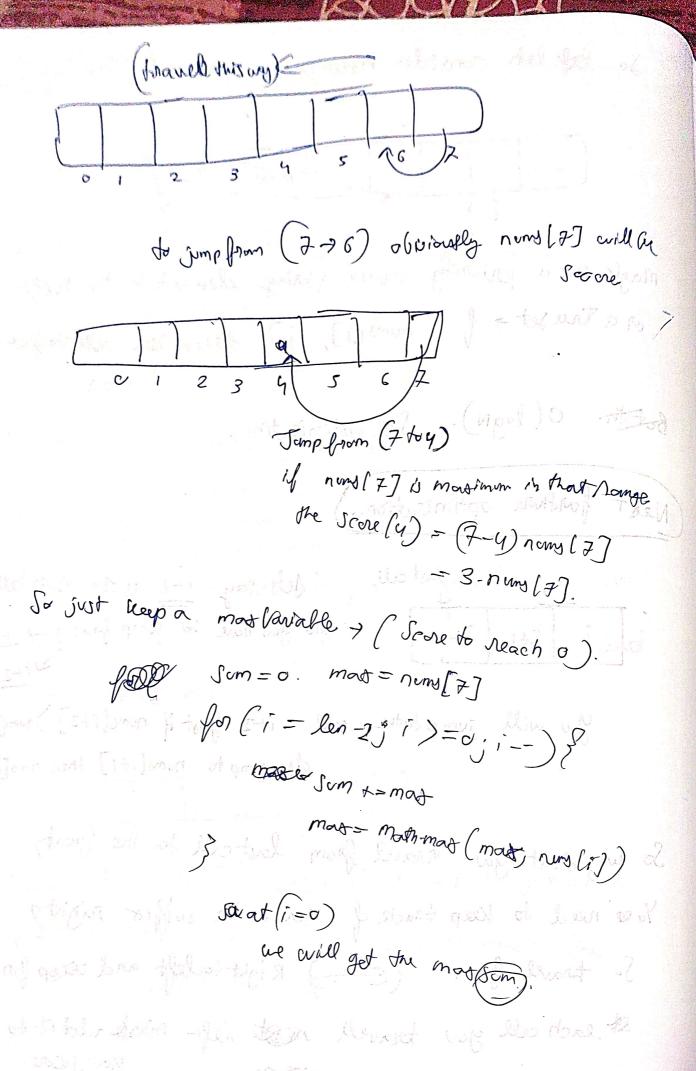
Botth O(logN). Soll optimisation.

Next furture optimisation.

i [i+1] i+2 and you have to jump from i -> i+1 Jets say it2 is the last cell,

You will jump to the cell i+2 plut if nums[i+2]) nums[i+1] also jump to nums[i+1] then nums[i+2]

So why don't you travel from last cell to the bront, You need to keep track of more on the suffer sight? So travel from (C) Right tolefit and top for It each cell you travell next left mide add it to



14-1.9