

So I shought about the problem a little hand, then an Idea came to me. What Fy7 for left Side -> i Trange we use price [i] as the indest THE BOTH AND THE ENGLISH brofits [Frange Search, we can do a then for (0-price(i]-1) area mortind, to find the maximum. Similarly for right side & Krange index-pricy[W]. profite (K) In this nange, we can do a man (prices (j)+1, man val) Profits (W) in this range

So I built a sparse Legment Aree, to store the may.

Now Our we-case is price(i) > to store pro-fits(i) Now its possible that a post proces [i,], are have a profit [ii] and the value of [prios:[i] == prios[i]) in that case, we have

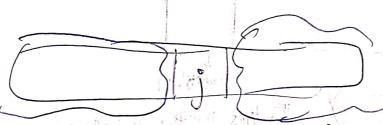
node.val = Math.mar (node.val);

Snew val that is golfond to get updated?

Coming back to our code 1stattempt,

by train with (I- Million - O

I had two segment heer, left and kight



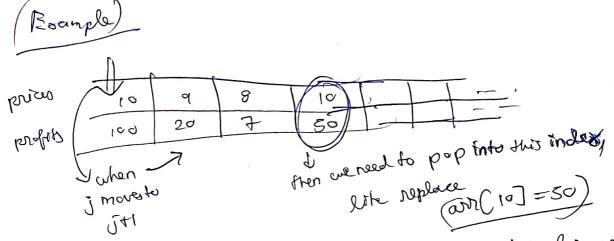
left will have elements in this Trange Cre update

an [prico[i]] &

[aving lebout profits (i))

I And for Right we had Fegment free initially full both as I was progressing, we had to remove that from the flee

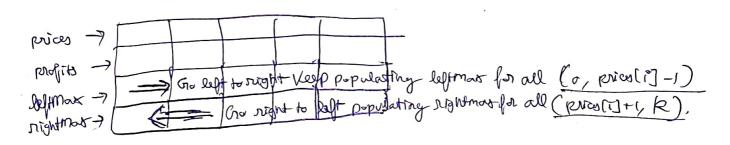
Brothern, with semoving the element with the Right figurest is that we have do maintain what next value we update that males with.



To do that we had to maintain what we next value for price [i] will k.

and attempt

After seeing one solution. Realized my attempt was complicating if for much, hence letter approximate keep two arrays



In from for every index j just check

leftmos(i)!=-1 ll NBWtmos(i) !=-1

an=mos(any, leftmos(i)+ profibli] + NBWtmos(i))