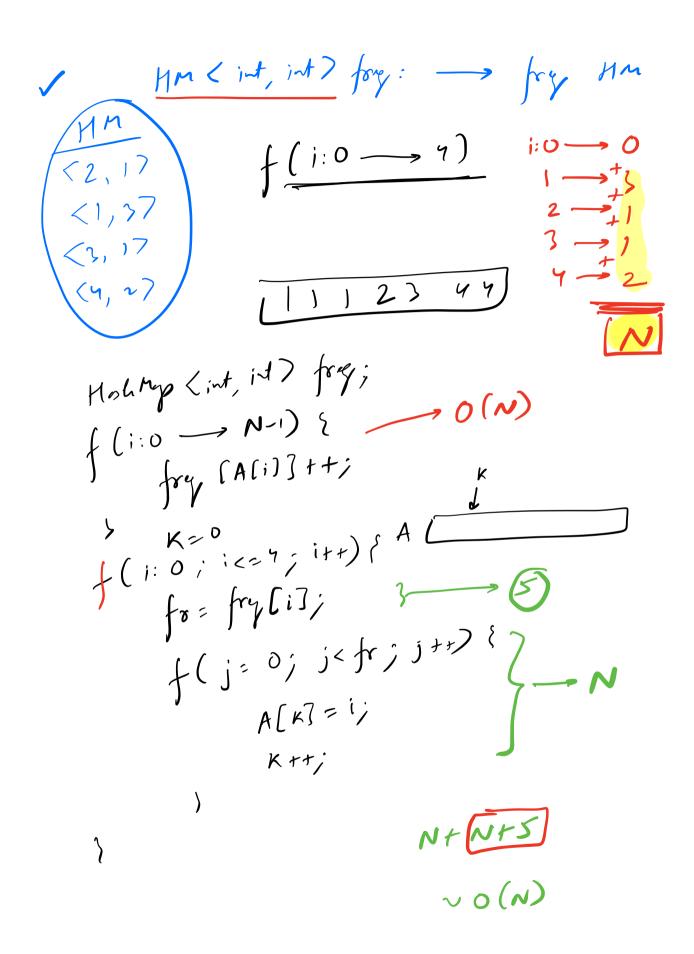
g: Given a biray orry. Sort it! A: [0,1,1,0,0,1,0] g.sort (Nyn) find cut 1. cut 1 >> 3 place o's & then is 0000111 O(N)0<=A(i) <= 4 & Giran an array. Sor the array. A: [4,1,2,1,1,3,4,] - cuto, at 1, cot, cuts, ut's



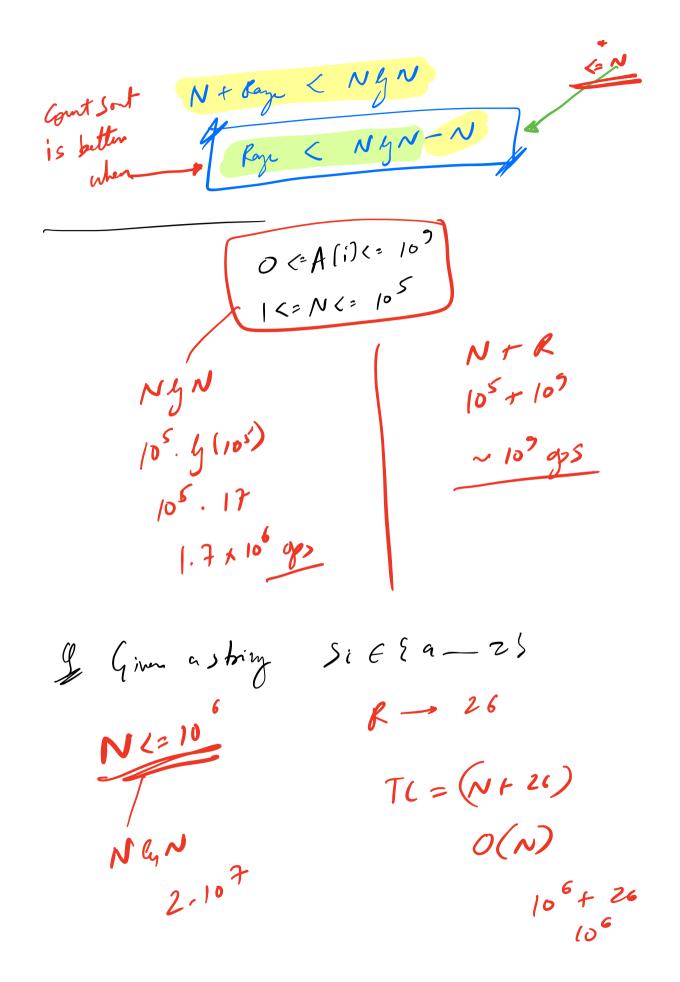
a <= A(i) <= b & Giran an array. Sort the array. Hohry (int, it) fry; f(:a;ic=b;i++){A(b-a+1)}

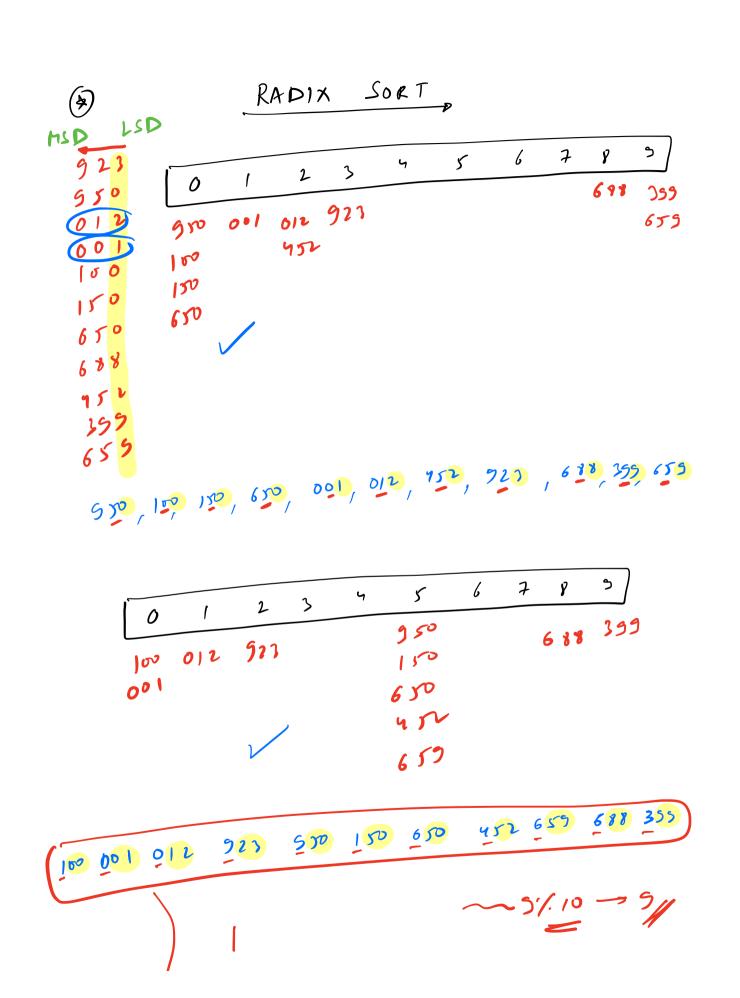
fo=fry[i]; f(j=0)j<fr)j++) { N+N+ b-a+1 O(N+ b-a)

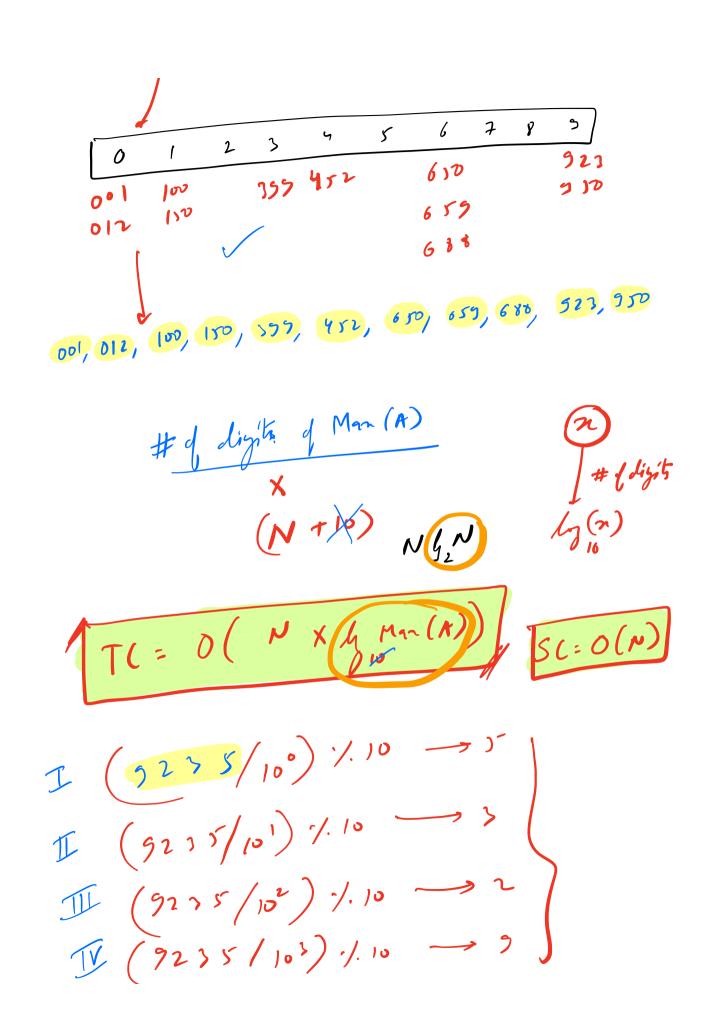
Roy = (b-a)

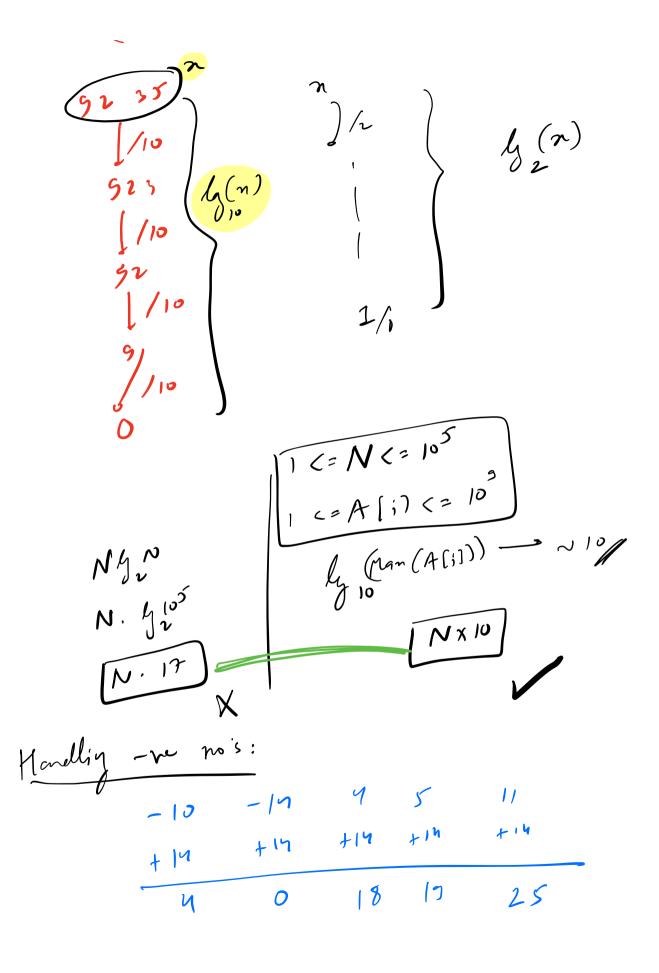
TC: O(N+ Roy)

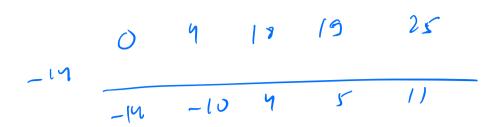
SC: O(Ditint)



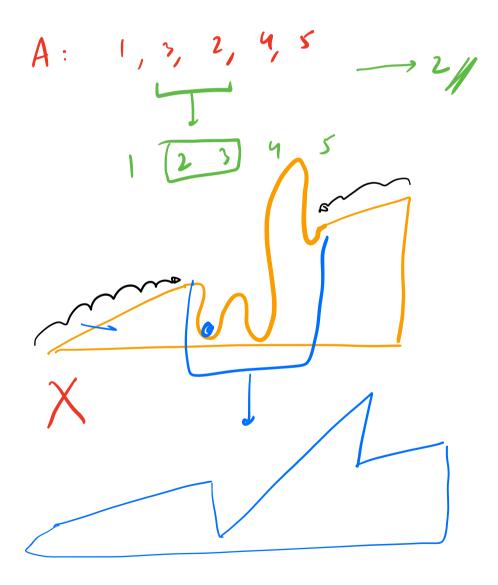


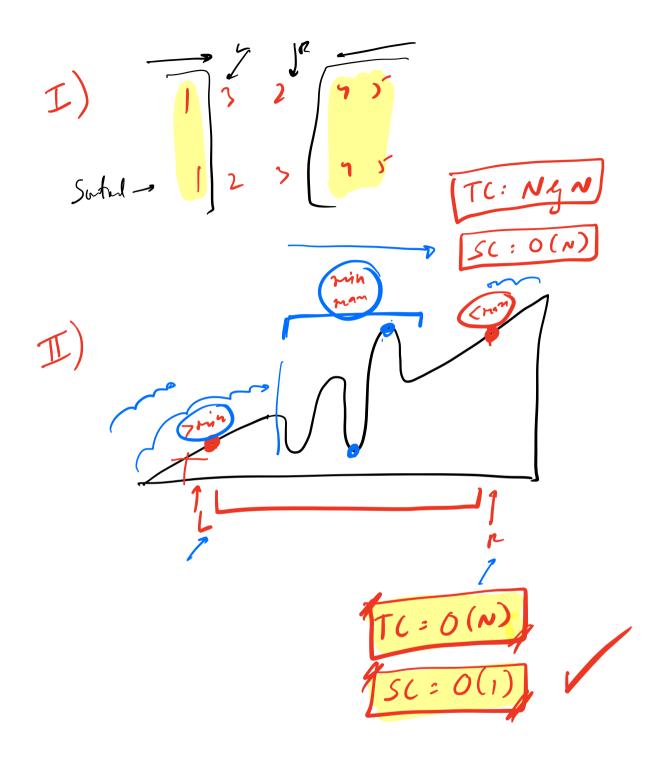




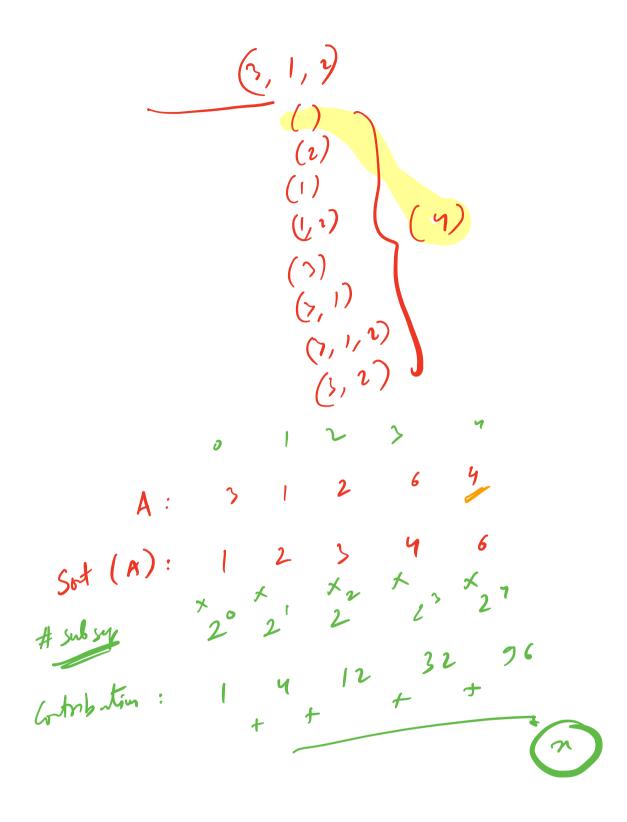


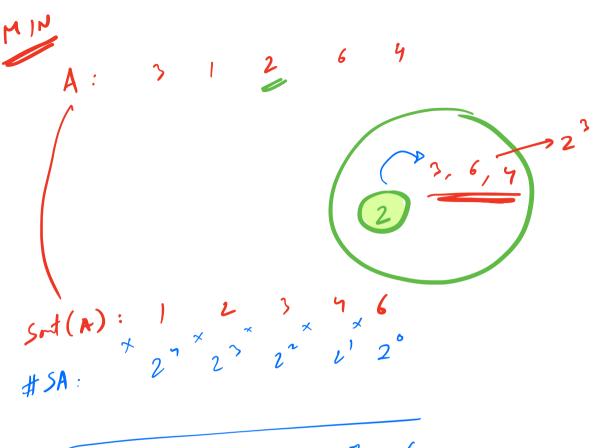
of Given an array. Find the minimum sized S.A. s.t if you sout it, then whole array is sorted (INC order)





Givan an Arry. find all possible non-empty subsequences of the origi, then for every subsequence find the diff boy the stallst & the byst element. find the son of such differences! (3) (3/1) 1<=N<=105 (3, 2) (1) (1,2)  $(\nu)$ 





ANS = n-7 TC = O(NMN) TSC = O(1) Resport!