

30 40 56 10 20 Q

Dues Find element in grotated souted agracy

agracy

30 40 50 10 20 35

b1 = = 0 b to sign-1

else binary search (D, p-1)
else binary search (p1, r)

Ques Aggressive cows R=3 34 N=9 10/1/2/7/5 1) Brute Force 1253 1275 Find all the 1 2 10 8 combinations 1 3 7 2 1 5 10 5 find max of min distance in all 1 7 10 (3) 2 5 7 2 the Combinations 2 5 16 5 3 27103 5 7 10 3 (2) D min dist = 1

mex distance = max - min my ans will be grown 1 to 9

10 public static boolean canPlaceCows(int stalls[], int k, int minDist) int lastPlacedCow = stalls[0]; int cowsPlaced = 1; for(int i = 1; i < stalls.length; i++) {
 if(stalls[i] - lastPlacedCow >= minDist) { cowsPlaced++; lastPlacedCow = stalls[i]; if(cowsPlaced == k) return true; return false; public static int solve(int n, int k, int[] stalls) { Arrays.sort(stalls); int l = 1, r = stalls[stalls.length - 1] - stalls[0]; int ans = 1;while(1 <= r) { int m = 1 + (r-1)/2; if(canPlaceCows(stalls, k, m)) { mind= > ans = m;} else r = m - 1; return ans;

Linearly move from max to

TL = 0 (Rog(max-min) xn) + 0 (n log n)