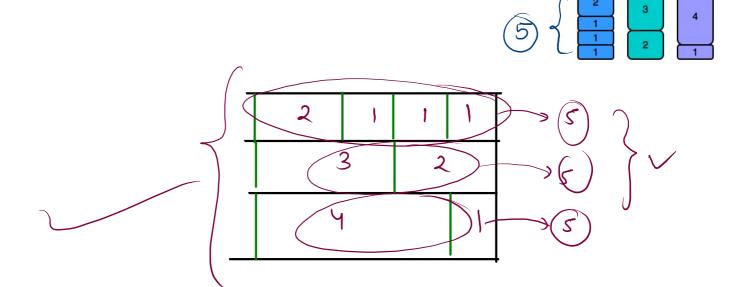
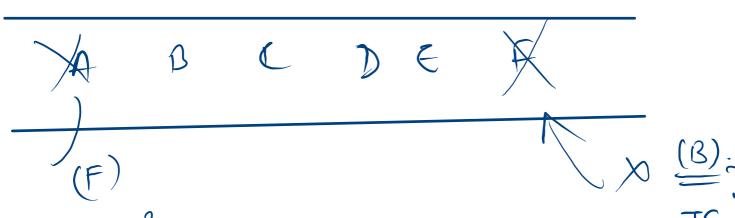
Equal Stack

STDIN	Function
5 3 4	h1[] size n1 = 5, h2[] size n2 = 3, h3[] size n3 = 4
3 2 1 1 1	h1 = [3, 2, 1, 1, 1]
4 3 2	h2 = [4, 3, 2]
1 1 4 1	h3 = [1, 1, 4, 1]



while(!((s1 == s2) && (s1 == s3))){ if(s1 >= s2 && s1 >= s3){ s1 -= h1.remove(0); else if(s2 >= s1 && s2 >= s3){ s2 -= h2.remove(0); else if(s3 >= s1 && s3 >= s2){

s3 -= h3.remove(0);



9(u).

0(1)

```
public static int calcSum(List<Integer> list){
    int sum = 0;
    for(int e : list){
        sum += e;
    }
    return sum;
}

public static int equalStacks(List<Integer> h1, List<Integer> h2, List<Integer> h3) {
    // Write your code here
    int s1 = calcSum(h1);
    int s2 = calcSum(h2);
    int s3 = calcSum(h3);

    while( !((s1 == s2) && (s1 == s3))){
        if(s1 >= s2 && s1 >= s3){
            s1 -= h1.remove(0);
        }
        else if(s2 >= s1 && s2 >= s3){
            s2 -= h2.remove(0);
        }
}
```

else if(s3 >= s1 && s3 >= s2){ s3 -= h3.remove(0);

Next greater element on left 1

5 3 4 3 2 1

Sample Output 0

+2+3+4+5



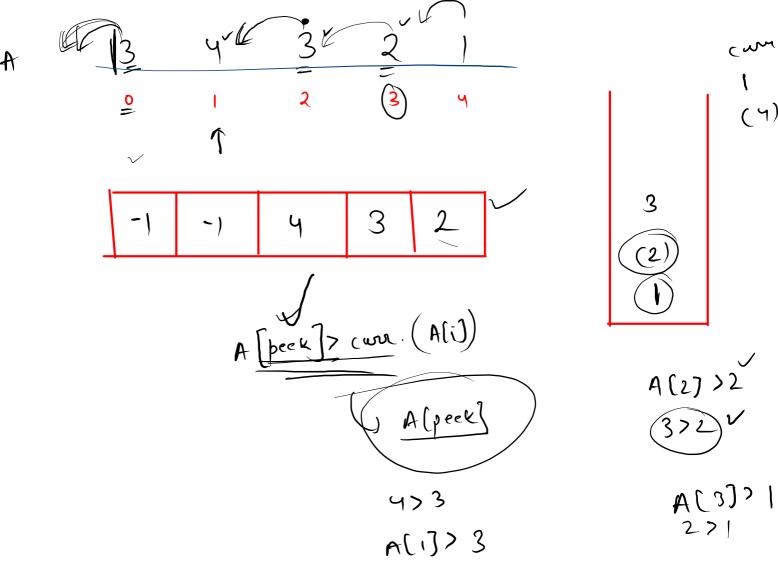


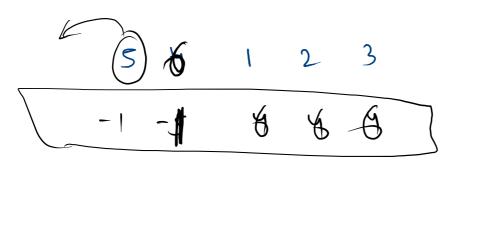












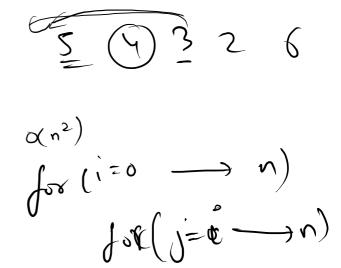
```
6 2 3 6 6 6
```







```
4 v public class Solution {
       public static int [] ngel(int [] A){
           int [] ans = new int[A.length];
           ans[0] = -1;
           Stack<Integer> st = new Stack<>();
                          //I am inserting index not value
           st.push(0);
           for(int i = 1; i < ans.length; i++){</pre>
               while(st.size() != 0 && A[st.peek()] <= A[i]){</pre>
                   st.pop();
               if(st.size() == 0){
                   ans[i] = -1;
               else {
                    ans[i] = A[st.peek()];
                st.push(i);
           return ans;
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
           int [] A = new int[n];
           for(int i = 0; i < n; i++){
               A[i] = scn.nextInt();
           int [] ans = ngel(A); //next greater element on left
           for(int e : ans){
               System.out.print(e + " ");
```

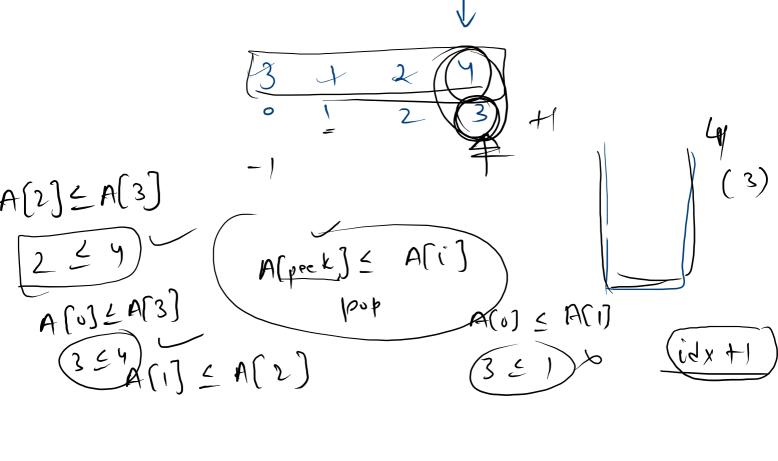


5 4 3 2 1 6

in total.

0 (n)

online Stock Spanner day = X 2/3 48 nextgreater Sample Input 0 previous on (e)t stock 100 80 60 70 60 75 85 smaller or equal 5 Sample Output 0 1 1 1 2 1 4 6



```
public static int [] stockSpan(int [] A){
    int [] ans = new int[A.length];
    ans[0] = 1;
    Stack<Integer> st = new Stack<>();
                   //I am inserting index not value
    st.push(0);
    for(int i = 1; i < ans.length; i++){</pre>
        while(st.size() != 0 && A[st.peek()] <= A[i]){</pre>
            st.pop();
        if(st.size() == 0){
            ans[i] = i + 1;
        else {
            ans[i] = i-st.peek();
        st.push(i);
    return ans;
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int [] A = new int[n];
    for(int i = 0; i < n; i++){
        A[i] = scn.nextInt();
    int [] ans = stockSpan(A); //next greater element on left
    for(int e : ans){
        System.out.print(e + " ");
```

4 v public class Solution {