=> 5 pace Complexity = (depends on size of input)
no. of variables used no. of variables: public static void main () { Scanner Son = U+1+1 $S_{\circ}(=)(n+2)$ n wint[] our = new int[n]; - for (int i=0; ikn; i++) {

Syso ("Hi"); = O(n)(int) ubyte

9 }

```
Stop Share
                                               You are screen sharing
4 public class Solution {
    public static void main(String[] args) {
                                           mo. of spaces = 7 + n + m + n + m
= 2(n+m)+7
    Scanner scn = new Scanner(System.in);
  int n = scn.nextInt();
   ↑ for (int i = 0; i < n; i++) {</pre>
           arr1[i] = scn.nextInt();
                                                     S.C = O(2 * (n+m) + 7)
  int m = scn.nextInt():

m → int arr2[] = new int[m]:

  ↑ → for (int i = 0; i < m; i++) {</pre>
                                                     S \cdot C \cong O(n+m)
           arr2[i] = scn.nextInt();
        // main logic
    → isIdentical(arr1, arr2, n, m);
    public static void isIdentical(int[] arr1, int[] arr2, int n, int m) {
    if (_n == m ) {
                                                   operations:- N
         → for (int i = 0; i < n; i++) {</pre>
              if ( arr1[i] != arr2[i] ) { — | \| \| \| \|
                  System.out.println(false);
                                                           T.C = O(N)
                  return;
        System.out.println(true);
     → } else {
           System.out.println(false);
```

1008 1024 moin
memory
(m/m) 1012 1004 1016 1020 1000

n= 9

int [] own = new int [n];

n= 5 own int

int

int

(ubyte) ∞ 17b 550 G

S disadvantage of ovvay

```
1 - int m = ---

n - int[] and = new int[m]; I m space
                   Spaces :- n+1+m+1
                        \Rightarrow n+m+2
                   S.C.=) ( n+m)
```



```
public static void main(String[] args) {
   /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be r
   Scanner scn = new Scanner(System.in);
                                                     no. of operations = 5

T. C = O(1)
int x = scn.nextInt():
 __int y = scn.nextInt();
   // main logic
   solve(x, y); // function calling
public static void solve(int x, int y) {      // function declaration
 \rightarrowint c = x;
                                                       no. of space = 5
S.C = O(1)
System.out.println("c = " + c);
   x = y;
System.out.println("x = " + x);
   y = c;
 System.out.println("y = " + y);
_ System.out.println("x = " + x);
 System.out.println("y = " + y);
```

```
public class Solution {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        int[] arr = new int[n];
        for (int i = 0; i < n; i++) {
                                        T. C = O(n)
S. C = O(n)
            arr[i] = scn.nextInt();
        }
        for (int i = 0; i < n; i++) {
            if ( arr[i] > 0 ) {
                arr[i] = 1;
            } else if ( arr[i] < 0 ) {</pre>
                arr[i] = -1;
            } else if ( arr[i] == 0 ) {
                arr[i] = 0;
        for (int i = 0; i < n; i++) {
            System.out.print(arr[i] + " ");
```

1 approch

2 approch

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    }
    solve(arr, n);
}

public static void solve(int[] arr, int n) {
    int prod = 1;
    for (int i = 0; i < n; i++) {
        prod = prod * arr[i];
    }

    for (int i = 0; i < n; i++) {
        int ans = prod / arr[i];
        System.out.println(ans);
    }
}</pre>
```