LC-189 Revouse Array K=0

K=1

K=2

k=3

とこり

K=5

K=6

K= 7

K=8

K=9

7

6

5

3

5

3

2

4

7 1

6 ح

Z

(f)

8

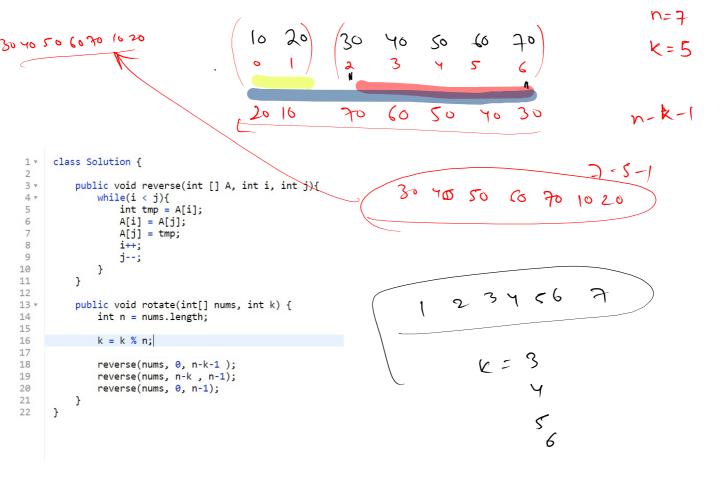
14

21

$$n=s \rightarrow s$$
 onlique sot

N=7 -> 7 Unique not

$$N = 7$$
 $k \neq N$
 k



Rotate by left. (HW). K=390 20 30 50 60 70 0 RBL 40 50 60 70 0 20 30 20 30 50 60 70 10 RBR

Sample Output 0

0 1 1 1 1 0

0 0 1 1 1 1

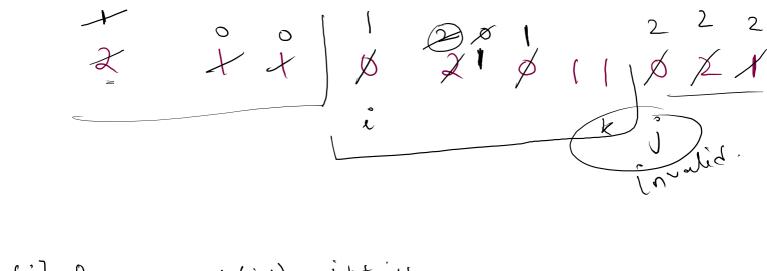
```
2 import java.util.*;
 4 public class Solution {
 6
       public static void main(String[] args) {
 7
           Scanner scn = new Scanner(System.in);
 8
           int n = scn.nextInt();
 9
           int [] A = new int[n];
10
           for(int i = 0; i < n; i++){
11
               A[i] = scn.nextInt();
12
           }
13
14
           int i = 0;
15
           int j = n-1;
           while(i < j){
16
17
               if(A[i] == 0){
18
                   j++;
19
               }else if(A[j] == 1){
20
                   j--;
21
               }else{
22
                   int tmp = A[i];
23
                   A[i] = A[j];
24
                   A[j] = tmp;
25
                   j++;
26
                   j--;
27
28
29
30
           for(i = 0; i < n; i++){
31
               System.out.print(A[i] + " ");
32
33
2/1
```

Soft Dutch National Flag Algo 0 12 Sort Colors K AGJ==0 Swap (ij) J - move H[]==2 Swap (j, K)
K--

ů → j-1 = 1

 $K+1 \rightarrow n-1 = 2$

J >> K = unexplored



$$A[j]=0 \longrightarrow Swap(iji) \quad i+fj+f$$

$$A[j] \rightarrow I \rightarrow j+f$$

A(j] > 2 > Swop(j,k) K--

```
1 *
      class Solution {
 2
 3 ▼
          public void swap(int x, int y, int [] A){
              int tmp = A[x];
4
 5
             A[x] = A[y];
 6
             A[y] = tmp;
8 *
         public void sortColors(int[] A) {
9
              int i = 0;
              int j = 0;
10
              int k = A.length-1;
11
12
13
             while(j <= k){
14 +
15 ▼
                 if (A[j] == 0){
                     swap(i, j, A);
16
                     i++;
17
18
                     j++;
19
                                                               0 - 1-1 =0
                 }else if(A[j] == 1){
20 ▼
21
                     j++;
22
23 ▼
                  }else{
                     swap(j, k,A);
24
25
                     k--;
                                                             k+1 \rightarrow n-1 = 2
b \quad k \rightarrow unknown
26
27
28
29
```

Reach Target

Take the target as an integer input. Then print the **indices** of the two numbers such that they add to the **target**. Note that the array is sorted here.

Use **Two pionter**, answer must be **unique**.

Sample Input 0

Sample Output 0

s = = t

y print

i++ j
s > t

j -
s < t

```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
           int [] A = new int[n];
10
           for(int i = 0; i < n; i++){
11
               A[i] = scn.nextInt();
12
13
           int tar = scn.nextInt();
14
15
           int i = 0;
16
           int j = n-1;
17
18
           while(i < j){
19
               int sum = A[i] + A[j];
20
               if(sum == tar){
21
                   System.out.println(i + " " +j);
22
                   j++;
23
                   j--;
24
25
               else if (sum > tar) {
26
                   j--;
27
               }else if(tar > sum){
28
                   i++;
29
30
31
```

32 }