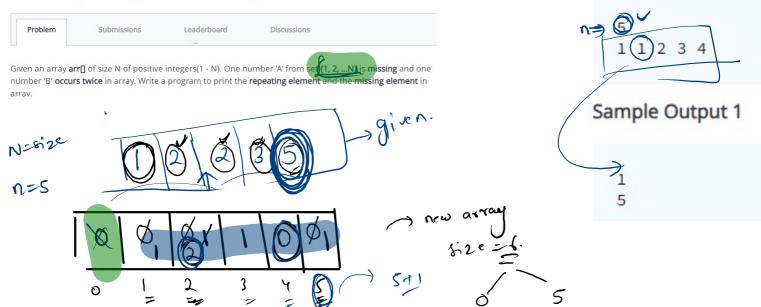
HW_Repeating and Missing element



N=5 5

{1,1}

```
int [] freq = new int[n+1];
for(int i = 0; i \le A.length; i++){
     int idx = A[i];
     freq[idx] = freq[idx] + 1;
             i=$ 1 2/ $ 4
                                                  O
                                                                                    age= 52
age=age+1
                                                    for(int i = 1; i < freq.length; i++){</pre>
                                                       if(freq[i] == 0){
                                                          missing = i;
                                                       else if(freq[i] == 2){
                                                          repeating = i;
                                                    }
```

$$\frac{n!}{(n-x)!x!} = \frac{3!}{(3-2)!} = \frac{3!}{(3-2)!} = \frac{3!}{(3-2)!} = \frac{3!}{2!x!}$$

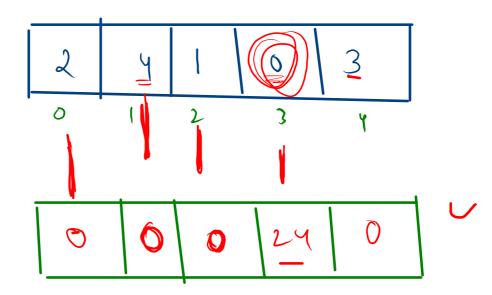
TIX!

n=3

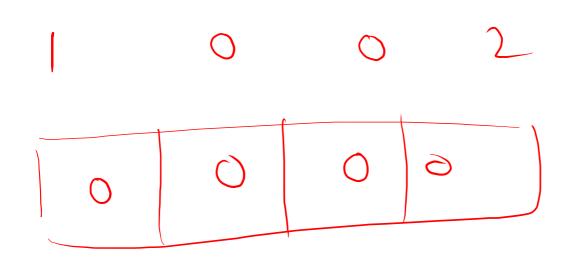
```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static int factorial(int n){
           int prod = 1;
           for(int i = 1; i \le n; i++){
               prod = prod * i;
 8
 9
10
           return prod;
11
12
       }
13
14
15
       public static void main(String[] args) {
16
           Scanner scn = new Scanner(System.in);
17
           int n = scn.nextInt();
18
           int r = scn.nextInt();
19
           int nfact = factorial(n);
20
21
           int rfact = factorial(r);
22
           int nmrfact = factorial(n-r) 3
23
24
           int ans = nfact / (rfact * nmrfact);
25
           System.out.println(ans);
26
27
28 }
```



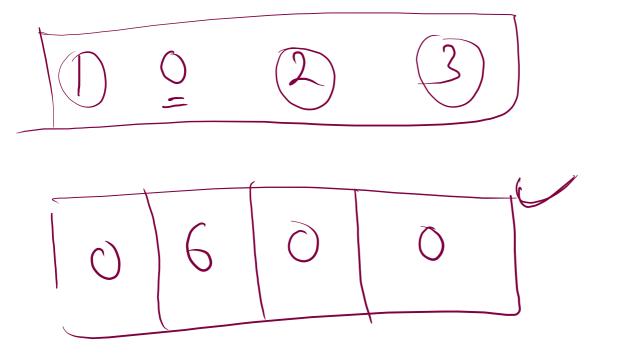
product except self

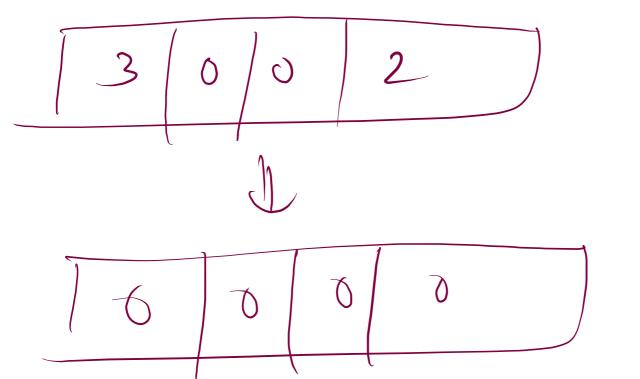


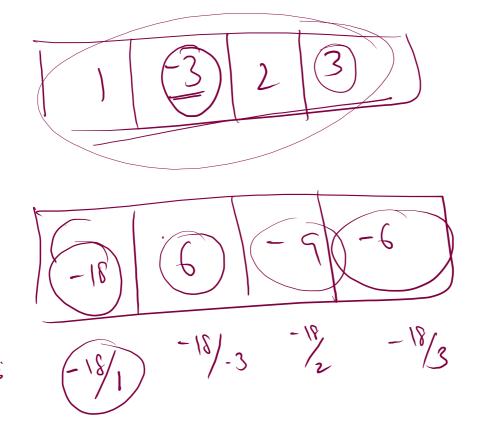
24 12 8 6



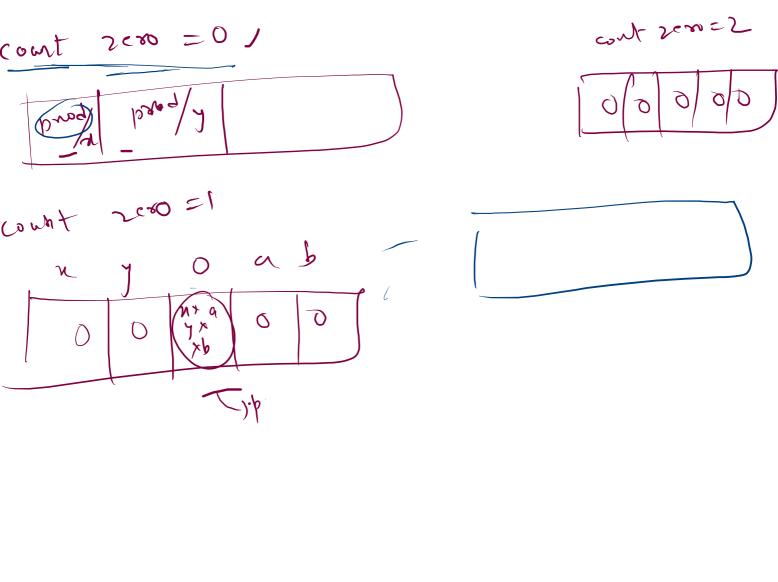
Your input [-1,1,-3,3]







== -18



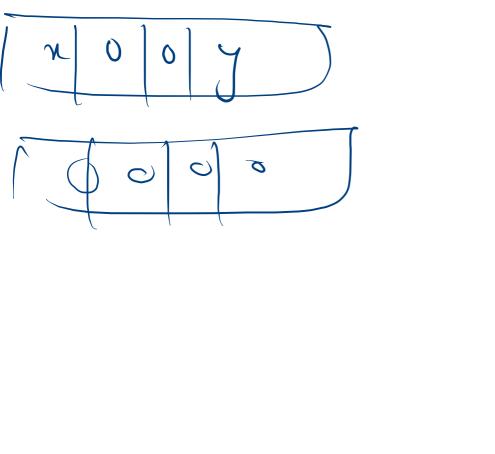
$$n + y + z = (p)$$

```
\frac{1}{1} \frac{1}{y} \frac{1}{z} \frac{1}
```

```
int count = 0; //count of zero
int prod = 1; // prod of non zero va
for(int i = 0; i < A.length; i++){
   if(A[i] == 0){
       count++;
   else{
       prod *= A[i];
```

```
7
                              prod
                         6
int count = 0; //count of zero
int prod = 1; // prod of non zero va
for(int i = 0; i < A.length; i++){
   if(A[i] == 0){
       count++;
   else{
       prod *= A[i];
```

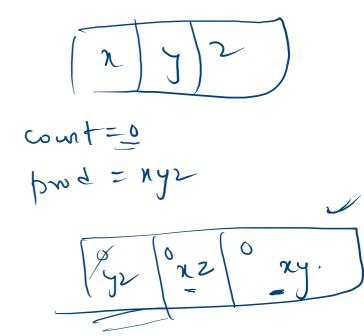
```
prod = nxyx2
cont=1
```



```
O
rass Soturion I
 public int[] productExceptSelf(int[] A) {
     int count = 0; //count of zero
     int prod = 1;  // prod of non zero val
      for(int i = 0; i < A.length; i++){</pre>
                                                                    Count=10 2
frond = 1K x yx 2
         if(A[i] == 0){
             count++;
         else{
             prod *= A[i];
     int [] ans = new int[A.length];
     if(count == 0){
         for(int i = 0; i < A.length; i++){
             ans[i] = prod / A[i];
     else if(count = 1){
         for(int i = 0; i < A.length; i++){
             if(A[i] == 0){
                 ans[i] = prod;
      return ans;
```

```
rass Soturion (
  public int[] productExceptSelf(int[] A) {
      int count = 0;
                         //count of zero
      int prod = 1;  // prod of non zero val
     for(int i = 0; i < A.length; i++){
          if(A[i] == 0){
              count++;
          else{
              prod *= A[i];
      int [] ans = new int[A.length];
      if(count == 0){
          for(int i = 0; i < A.length; i++){</pre>
              ans[i] = prod / A[i];
      else if(count == 1){
          for(int i = 0; i < A.length; i++){</pre>
              if(A[i] == 0){
                  ans[i] = prod;
```

return ans;



```
rass soturion (
 public int[] productExceptSelf(int[] A) {
      int count = 0;
                        //count of zero
     int prod = 1;
                       // prod of non zero val
    for(int i = 0; i < A.length; i++){
         if(A[i] == 0){
             count++;
         else{
             prod *= A[i];
     int [] ans = new int[A.length];
     if(count == 0){
          for(int i = 0; i < A.length; i++){
             ans[i] = prod / A[i];
     relse if(count == 1){
         for(int i = 0; i < A.length; i++){
             if(A[i] == 0){
                 ans i = prod;
      return ans;
```

