Output Format

Print a single line containing 'Yes' or 'No'.

Input Constraint

```
1 < N < 10
```

Strength of vaccines and midichlorians count of patients fit in integer.

SAMPLE INPUT

```
5
123 146 454 542 456
100 328 248 689 200
```

SAMPLE OUTPUT

No

Answer: (penalty regime: 0 %)

```
1
    #include<stdio.h>
 2 √ void bubblesort(int arr[],int n){
 3
         int temp,i,j;
 4.
         for(i=0;i<n;i++){
 5,
             for(j=0;j< n-1-i;j++){
 6,
                 if(arr[j]>arr[j+1]){
 7
                     temp=arr[j];
 8
                     arr[j]=arr[j+1];
 9
                     arr[j+1]=temp;
10
11
12
        }
13
14 int main(){
15
        int N;
16
        scanf("%d",&N);
17
        int vaccines[N];
        int patients[N];
18
19 •
        for(int i=0;i<N;i++){</pre>
20
             scanf("%d",&vaccines[i]);
21
22 •
        for(int i=0;i<N;i++){
23
             scanf("%d",&patients[i]);
24
25
        bubblesort(vaccines,N);
26
        bubblesort(patients,N);
27 •
        for(int i=0;i<N;i++){</pre>
28 •
             if(vaccines[i]<=patients[i]){</pre>
29
                 printf("No\n");
30
                 return 0;
```

1 < N < 10

Strength of vaccines and midichlorians count of patients fit in integer.

SAMPLE INPUT

5 123 146 454 542 456 100 328 248 689 200

SAMPLE OUTPUT

No

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
  2 void bubblesort(int arr[],int n){
          int temp,i,j;
  3
  4 •
          for(i=0;i<n;i++){
  5 🕶
               for(j=0; j< n-1-i; j++){
                   if(arr[j]>arr[j+1]){
  6 •
  7
                       temp=arr[j];
                       arr[j]=arr[j+1];
  8
  9
                       arr[j+1]=temp;
 10
 11
              }
 12
          }
 13
 14 v int main(){
 15
          int N;
          scanf("%d",&N);
16
17
          int vaccines[N];
18
         int patients[N];
19
         for(int i=0;i<N;i++){</pre>
20
              scanf("%d",&vaccines[i]);
21
22 •
         for(int i=0;i<N;i++){</pre>
23
              scanf("%d",&patients[i]);
24
25
         bubblesort(vaccines,N);
26
         bubblesort(patients,N);
         for(int i=0;i<N;i++){</pre>
27 •
28 •
              if(vaccines[i]<=patients[i]){</pre>
                  printf("No\n");
29
30
                  return 0;
31
              }
32
33
         printf("Yes\n");
34
         return 0;
35
36
```

| | Input | Expected | Got | |
|---|---------------------|----------|-----|---|
| ~ | 5 | No | No | ~ |
| | 123 146 454 542 456 | | | |
| | 100 328 248 689 200 | | | |

Passed all tests! ✓

You are given an array of n integer numbers a_1, a_2, \ldots, a_n . Calculate the number of pair of indices (i, j) such that $1 \le i < j \le n$ and $a_i \times a_j = 0$.

Input format

- First line: n denoting the number of array elements
- Second line: n space separated integers a_1, a_2, \ldots, a_n .

Output format

Output the required number of pairs.

Constraints

```
1 \le n \le 10^61 \le a_i \le 10^9
```

SAMPLE INPUT

5 13143

SAMPLE OUTPUT

2

Explanation

The 2 pair of indices are (1, 3) and (2,5).

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
1
2 v int main(){
3
        int n;
4
        scanf("%d",&n);
5
        int arr[n];
6 •
        for(int i=0;i<n;i++){</pre>
7
             scanf("%d",&arr[i]);
8
9
        int count =0;
10 •
        for(int i=0;i<n;i++){</pre>
11,
             for(int j=i+1;j<n;j++){
12
                 if((arr[i]^arr[j])==0) count
13
14
        printf("%d",count);
15
16
        return 0;
17
```

```
1 ≤ n ≤ 10<sup>6</sup>
1 ≤ a<sub>i</sub> ≤ 10<sup>9</sup>
```

SAMPLE INPUT

5 13143

SAMPLE OUTPUT

2

Explanation

The 2 pair of indices are (1, 3) and (2,5).

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 2 int main(){
 3
         int n;
         scanf("%d",&n);
 4
 5
         int arr[n];
         for(int i=0;i<n;i++){</pre>
 6 •
             scanf("%d",&arr[i]);
 7
 8
         }
 9
         int count =0;
         for(int i=0;i<n;i++){</pre>
10 •
             for(int j=i+1;j<n;j++){
11,
                 if((arr[i]^arr[j])==0) count
12
13
14
        printf("%d",count);
15
16
        return 0;
17
```

| | Input | Expected | Got | |
|---|-------------|----------|-----|---|
| ~ | 5 1 3 1 4 3 | 2 | 2 | ~ |

You are given an array **A** of non-negative integers of size **m**. Your task is to sort the array in non-decreasing order and print out the original indices of the new sorted array.

Fyample

1 assect all tests

You are given an array **A** of non-negative integers of size **m**. Your task is to sort the array in non-decreasing order and print out the original indices of the new sorted array.

Example:

```
A={4,5,3,7,1}
```

After sorting the new array becomes A={1,3,4,5,7}.

The required output should be "4 2 0 1 3"

INPUT:

The first line of input consists of the size of the array

The next line consists of the array of size m

OUTPUT:

Output consists of a single line of integers

CONSTRAINTS:

1<=m<=106

0<=A[i]<=106

NOTE: The indexing of the array starts with 0.

SAMPLE INPUT

5

45371

SAMPLE OUTPUT

42013

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 v int main(){
3
       int n;
4
      scanf("%d",&n);
5
      int arr[n];
6 •
       for(int i=0;i<n;i++){
7
           scanf("%d",&arr[i]);
8
9
       int max=arr[0];
10 •
       for(int i=1;i<n;i++){
11
          if(arr[i]>may) may=arr[i]:
```

OUTPUT:

Output consists of a single line of integers

CONSTRAINTS:

1<=m<=106

0<=A[i]<=106

NOTE: The indexing of the array starts with 0.

SAMPLE INPUT

5

45371

SAMPLE OUTPUT

42013

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 2 v int main(){
         int n;
scanf("%d",&n);
 3
 4
 5
         int arr[n];
 6 ,
         for(int i=0;i<n;i++){</pre>
 7
             scanf("%d",&arr[i]);
 8
 9
         int max=arr[0];
10 .
         for(int i=1;i<n;i++){
             if(arr[i]>max) max=arr[i];
11
12
         }
13
         max++;
14
         int min=0;
15
         for(int i=0;i<n;i++){</pre>
             for(int j=0;j<n;j++){</pre>
16
                  if(arr[j]<arr[min]) min=j;</pre>
17
18
19
             printf("%d ",min);
20
             arr[min]=max;
21
22
         return 0;
23
```

| | Input | | - | ec | | | | | | | | |
|---|----------------|---|---|----|---|---|---|---|---|---|---|---|
| ~ | 5 4 5 3 7 1 | 4 | 2 | 0 | 1 | 3 | 4 | 2 | 0 | 1 | 3 | ~ |

Finish review