

You are given an array of digits. Your task is to print the digit with maximum frequency.

Input Description: You are given length of array 'n',next line contains n space separated numbers.

Output Description: Print the number with maximum frequency. If two number have equal frequency prin the number that comes first

Sample Input : 7 1 2 3 4 4 4 5 Sample Output : 4

In [5]:

```
a = int(input())
arr = list(map(int,input().split()))
count = 0
temp = 0
index = 0
for x in range(0,len(arr)):
    temp=arr.count(arr[x])
    if temp>count:
        count=temp
        index=x
mostFrequentNumber=arr[index]
print(mostFrequentNumber)
```

7
7 1 2 3 4 4 4 5
4

You are an employee of 'Rox Travel' channel.The channel has decided to give allowances to some customer who satisfy these conditions. The conditions are:

The customer should be born on or before july 22 1987

The month of D.O.B month should be of 31 days.

You are given with the D.O.B of all the employees.Your task is to print the employee index who are having chance to avail special offer.

Input Description: First line contains the number of employee.Next line contains an array of D.O.B of employees

Output Description: Print the employee index (index at 1). Print-1 if there are no such employee

Sample Input : Input 4 23 MARCH 1996 23 MARCH 1986 22 JULY 1987 23 APRIL 1987 Sample Output : 2 3

In [7]:

```
def chunks(l,n = 3):
    for i in range(0, len(l), n):
        yield l[i: i+n]
a = int(input())
month_31 = ["JANUARY", "MARCH", "MAY", "JULY", "AUGUST", "OCTOBER", "DECEMBER"]
b = list(map(str, input().split()))
c = list(chunks(b))
for i in range(len(c)):
    c[i][1] = c[i][1].upper()
for i in range(len(c)):
    if (c[i][1] in month_31 and c[i][-1]<"1987"):
        c[i].insert(1,"#")
    if c[i][1] in month_31 and c[i][-1] == "1987":
        c[i].insert(1,"*")

ans = []
for i in range(len(c)):
    if "#" in c[i]:
        ans.append(i+1)
    elif "*" in c[i]:
        if c[i][2] in month_31[3] and int(c[i][0])<= 22:
            ans.append(i+1)
        elif c[i][2] in month_31[:3]:
            ans.append(i+1)
print(*ans if ans != [] else "-1")
```

4
23 MARCH 1996 23 MARCH 1986 22 JULY 1987 23 APRIL 1987
2 3

In a garage the service man takes 10 minutes to service one car.If there are N cars in garage and X is number of minutes after which one person arrives,Calculate how much time last person has to wait in garage.(Print answer in minutes)

Input Description: You are given Two numbers 'N' and 'X'

Output Description: Waiting time of last person

Sample Input : 4 5 Sample Output : 15

In [8]:

```
x, y = map(int,input().split())
print((x-1)*10-(x-1)*y)
```

4 5
15

you are given with 'arasu' series(shown in example).You have to understand it and you will be given a number 'n',you have to print the series till n numbers.

Input Description: You are given a number n;

Output Description: Print series till nth number

Sample Input : 4 Sample Output : 2 5 10 17

In [9]:

```
N = int(input())
x = [2]
y = 3
for i in range(1,N):
    a = x[i-1]+y
    x.append(a)
    y+=2
print(*x)
```

4
2 5 10 17

you are given with array of numbers.you have to find whether array is beautiful or not. A beautiful array is an array whose sum of all numbers is divisible by 2, 3 and 5

Input Description: You are given a number 'n' denoting the size of array.Next line contains n space separated numbers.

Output Description: Print 1 if array is beautiful and 0 if it is not

Sample Input : 5 5 25 35 -5 30 Sample Output : 1

In [11]:

```
a = int(input())
arr = list(map(int,input().split()))
if sum(arr)%2 == 0 and sum(arr)%3 == 0 and sum(arr)%5 == 0:
    print(1)
else:
    print(0)
```

5
5 25 35 -5 30
1

You are given with an array of numbers, Your task is to print the difference of indices of largest and smallest number.All number are unique.

Input Description: First line contains a number 'n'. Then next line contains n space separated numbers.

Output Description: Print the difference of indices of largest and smallest array

Sample Input : 5 1 6 4 0 3 Sample Output : -2

In [12]:

```
a = int(input())
arr = list(map(int,input().split()))
print(arr.index(max(arr))-arr.index(min(arr)))
```

5
1 6 4 0 3
-2

In []: