In [1]:
```python
#Solution 1
def findSingle( ar, n):

    res = ar[0]

    for i in range(1,n):
        res = res ^ ar[i]

    return res



print("Enter The Numbers:-  ")
ar= list(map(int,input().split()))
print ("Element occuring once is", findSingle(ar, len(ar)))
```

```
Enter The Numbers:-
6 3 5 8 3 6 5
Element occuring once is 8
```

In [6]:
```python
#Solution 2
print("Enter The Numbers:- ",end=' ')
arr= list(map(int,input().split()))
arr.sort()
m=999999999
res=0
for i in range(0,len(arr)-1):
    res = arr[i] ^ arr[i+1]
    m=min(m,res)
print("Minimum XOR value is:- "+str(m))
```

```
Enter The Numbers:-  9 17
Minimum XOR value is:- 24
```

In [9]:
```python
#Solution 4
A=int(input("Enter the size of Grid:- "))
if A<0:
    print(1)
else:
    arr=[0 for i in range(A+2)]
    arr[0]=arr[1]=1
    for i in range(2,A+1):
        for j in range(i+1):
            arr[i]=(arr[i]+arr[j]*arr[i-j-1])%(10**9+7)
    print(arr[A-1])
```

```
Enter the size of Grid:- 2
1
```

In [10]:
```python
#Solution 5
num=int(input("Enter the number to find Square Root:-"))
f=0
if(num==0 or num==1):
    print(num)
st=1
end=num
while(st<=end):
    mid=(st+end)//2
    if(mid**2==num):
        print(mid)
        f=1
    if(mid**2<num):
        st=mid+1
        ans = mid
    else:
        end=mid-1
if(f==0):
    print(ans)
```

```
Enter the number to find Square Root:-36
6
```

In [ ]: