**Profile Picture**   
  
     Roy wants to change his profile picture on Facebook. Now Facebook has some restriction over the dimension of picture that we can upload.Minimum dimension of the picture can be L x L, where L is the length of the side of square.  
  
Dimension of a photo is denoted as W x H  
where W - width of the photo and H - Height of the photo  
  
When any photo is uploaded following events may occur:  
  
[1] If any of the width or height is less than L, user is prompted to upload another one. Print "UPLOAD ANOTHER" in this case.  
[2] If width and height both are larger than length L , user is prompted to crop it. Print "CROP IT" in this case.  
[3]   If the photo is already square and width and height  is equal to L ,  then it is accepted. Print "ACCEPTED" in this case.  
(quotes are only for clarification)  
  
Given L, W and H as input, Write a program to print appropriate text as output.  
  
**Input Format:**  
First input is an integer that denotes  L , length of the square.  
Second line consists of two space separated integers W and H that denotes the width and height of the photo.  
  
**Output Format:**  
Output is appropriate string for the inputs ,  UPLOAD ANOTHER/CROP IT/ACCEPTED.  
  
**Sample Input 1:**  
180  
640 480  
  
**Sample Output 1:**  
CROP IT  
  
**Sample Input 2:**  
180  
120 300  
  
**Sample Output 2:**  
UPLOAD ANOTHER

**Playing with Arrays**

Ram purchased an array A having N integer values. After playing on it for a while, he got bored of it and decided to update value of its element. In one second he can increase value of each array elements by 1. He wants each array element's value to become greater than or equal to K . Given an array of integers of size N and the 'k' value, write a program to  help Ram to find out the minimum amount of time it will take, for him to do so.  
   
**Note:**  
If the all the array elements are already greater than or equal to k,then print 0.  
  
**Input Format:**  
First line consists of an integer that denotes N,size of the array.  
Second line consists of an integer that denotes K.  
Third line consists of series of integers separated by a space that denotes the array values.  
  
**Output Format:**  
Output is an integer that denotes the minimum time in which all the array elements will become greater than or equal to K.  
  
**Sample Input 1:**  
3  
4  
1 2 5  
**Sample Output 1;**  
3  
  
**Explanation:**  
After 1 second, array will be {2,3,6}  
After 2 second, array will be {3,4,7}  
After 3 second, array will be {4,5,8}  
  
So it will take**3**second for all array elements to become greater than or equal to 4.  
  
**Sample Input 2:**  
3  
2  
2 5 5  
  
**Sample Output 2:**  
0

**Sum of Rows and Columns**  
  
As Aadharsh did not perform well in his last internal test,his teacher gave him an assignment inorder to increase his internal marks.The assignment was to print all  row wise sum and column wise sum in a matrix.Given a 2D matrix of size M x N,write a program to help Aadharsh with his assignment.  
  
**Input Format:**  
First input is an integer that denotes the row size.  
Second input is an integer that denotes the column size.  
Third input consists of a series of integers separated by a space that denotes the matrix values.  
  
**Output Format:**  
Output is of two lines  
  1) First line consists of series of integers separated by space that denotes the sum of each rows.  
  1) Second line consists of series of integers separated by space that denotes the sum of each columns.  
  
**Sample Input 1:**  
3  
3  
1 2 3  
4 5 6  
7 8 9  
  
**Sample Output 1:**  
6 15 24  
12 15 18  
  
  
**Sample Input 2:**   
1  
4  
15 32 498 36  
  
**Sample Output 2:**  
581   
15 32 498 36

**Full Prime**

Siva always try to play with the numbers , he does so because he thinks that it will lead to some special numbers . One day he came up with an idea to know the numbers that are considered as Full Prime .  Full prime is a prime number where each of its digits is also a prime . Given a range from X to Y ,write a program to help Siva find the numbers (excluding X and Y ) that are full primes . If no such numbers exist between the given range,then print -1.  
  
**Note1**: Mention the maximum range of number will vary from 1 to 1000.  
  
**Note2**: 1 is not a prime number.   
  
  
**Input Format:**  
First Input is an integer that denotes the X value.  
Second Input is an integer that denotes the Y value.  
  
**Output Format:**  
Output is a series of integers separated by a comma that is considered as a full prime.  
  
**Sample Input 1:**  
1  
50  
  
**Sample Output 1:**  
2,3,5,7,23,37  
  
**Sample Input 2:**  
8  
10  
  
**Sample Output 2:**  
-1

**The Apples**

You have K fruit boxes full of fruits. Each square box of size m contains m × m fruits. You just noticed two interesting properties about the boxes:  
  
   1) The smallest box is of size 1, the next one is of size 2,..., all the way up to size k.  
   2) Boxes that have an odd size contain only yellow apples. Boxes that have an even size contain only red apples.  
  
Write a program to calculate the difference between the number of red apples and the number of yellow apples.  
  
**Input format:**  
First input is an integer that denotes the K value,number of  boxes.  
  
**Output format:**  
Output is an integer that denotes the difference between the number of red apples and the number of yellow apples.  
  
**Sample Input 1:**  
5  
**Sample Output 1:**  
-15  
  
**Explanation:**  
There are 1\*1 + 3 \* 3 + 5 \* 5 = 35 yellow apples and 2 \* 2 + 4 \* 4 = 20 red apples, making the answer 20 - 35 = **-15**  
  
**Sample Input 2:**  
6  
**Sample Output 2:**  
21

**Lucky Array**

Surya just purchased an array having N integers. Surya is very superstitious. He calls the array Lucky and Unlucky based on the following  
assumptions  
    1)If the frequency count of the minimum element is odd and prime , the array is considered to be as Lucky.   
    2)If the frequency count of the minimum element is even and it can be expressed as a power of two ,the array is considered to be Unlucky.  
    3)If both first and second conditions is not satisfied ,then the array is considered as Normal.  
  
Write a program to help Surya find out whether the given array is Lucky,Unlucky or Normal and also print the number of times the minimum element occurs in the array.  
  
**Input Format:**  
First input is an integer that denotes the size of the array.  
Second input is a series of integers separated by a space that denotes the array values.  
  
**Output Format:**  
Output is of two lines,  
     1)First line is a string,print Lucky/Unlucky/Normal  based on the following conditions given.  
     2)Second line is an integer that denotes the count of the minimum element in the array.  
  
**Sample Input 1:**  
5  
1 2 3 4 1  
**Sample Output 1:**  
Unlucky  
2  
  
**Explanation:**  
Smallest element is 1.  
It's frequency is 2. 2 is even and a power of 2(i.e., 21 = 2), so **Unlucky**.  
  
**Sample Input 2:**  
8  
1 2 3 4 1 1 2 3  
**Sample Output 2:**  
Lucky  
3  
  
**Explanation:**  
Smallest element is 1.  
It's frequency is 3. 3 is odd and a prime, so **Lucky**.  
  
**Sample Input 3:**  
8  
5 6 4 4 5 4 4 1  
**Sample Output 3:**  
Normal  
1   
  
**Explanation:**  
Smallest element is 1.  
It's frequency is 1. 1 is odd but not a prime number, so **Normal**.