

Prime Checker



You are given a class *Solution* and its *main* method in the editor. Your task is to create a class *Prime* which contains a single method *checkPrime* so that the code prints only prime numbers as the output.

Please do not use method overloading!

Note: You may get a compile time error in this problem due to the below statement:

```
BufferedReader br=new BufferedReader(new InputStreamReader(in));
```

This was added intentionally, and you have to figure out a way to get rid of the error.

Input Format

There are only five lines of input, each containing one integer.

Output Format

There will be only four lines of output. Each line contains only prime numbers depending upon the parameters passed to *checkPrime* in the *main* method of the class *Solution*. In case there is no prime number, then a blank line should be printed.

Sample Input

```
2
1
3
4
5
```

Sample Output

```
2
2
2 3
2 3 5
```