ACM Challenges Lab

Exercise 1 – *Primes*

Compute the prime numbers between any two given numbers.

Input   The first line of the input contains the number of test cases $t > 0$.

Each test case consists of a line containing numbers m and n, where $0 \leq m \leq n \leq 1000000$.

Output   For each test case output a list of all prime numbers $m \leq p \leq n$, in increasing order. Each prime number should be on a separate line.

Sample Input

```
2
1 10
12 13
```

Sample Output

```
2
3
5
7
13
```