



Generate Primes

Problem

Submissions

Leaderboard

Discussions

Vinit is really good at maths. Recently, he came to know about a problem on prime number. Amazed by the problem he got, he asked Sharmishtha the same problem. Sharmishtha also being good at maths solved the problem within 5 minutes. Now, its your time to solve the problem.

"You have to generate all prime numbers between two given numbers".

Input Format

The first line of the input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case consists of a single line containing two space separated integers m and n .

Constraints

$$1 \leq T \leq 60$$

$$1 \leq m \leq n \leq 100000,$$

$$n - m \leq 100000$$

Output Format

For every test case print all prime numbers p such that $m \leq p \leq n$, space separated. Separate the answers for each test case by a new line.

Sample Input 0

```
2
1 10
3 5
```

Sample Output 0

```
2 3 5 7
3 5
```

Submissions: 15

Max Score: 20

Difficulty: Medium

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C++ ▾



```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

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