List the Primes

Program Name: primes.java   Input File: primes.dat

Write a program that will list all the prime numbers in a given range. Remember, a prime number is one whose only integer divisors are itself and one.

Input

The input will consist of 1 to 20 data sets, one per line. Each data set will consist of two integers from 2 to 1000 separated by a single space. The first integer will always be less than or equal to the second because they indicate a range of integers that you will be searching for primes.

Output

List, in ascending order, the primes that occur in the indicated range (including the endpoints). If there are no primes in the indicated range, print the message, "No primes found!".

Example Input File
```
2 10
20 20
100 120
```
Example Output To Screen
```
2 3 5 7
No primes found!
101 103 107 109 113
```