

# List prime number

Finding all *prime number* in range  $[a, b]$ .

## Input

The first line of the input consist of a single integer number  $t$  which determines the number of tests.

In each of next  $t$  lines there is two number  $a$  and  $b$  that separated by a sapce.

## Constraints

- $0 < t \leq 1\ 000$
- $1 \leq a \leq b \leq 500$

## Output

For each test case print out all *fat number* found inside the range which separated by a comma.

Separate your answers with a new line character.

## Example

**Input:**

2

10 50

500 400

**Output:**

11,13,17,19,23,29,31,37,41,43,47

401,409,419,421,431,433,439,443,449,457,461,463,467,479,487,491,499