## Prime time, I am telling you!

Develop a Python code to list all prime factors of a given integer

## Input

In the first line, n indicates the total number of integers. The subsequent n lines are the test cases

## Output

A list of prime factors for each given test case will be displayed

## Example

## Input:

5
2
30
235
100
15
Output:
2
235
547
2255
35

