

## Problem I Prime Substring Time Limit: 10 seconds

Given a string of digits, your task is to find the largest prime number which presents in that string. Our prime numbers are values between 2 to 100,000 only.

## Input

Each line contains a string of digits (255 digits at most). The line contains only 0 indicates the end which will not be processed. The input does not exceed 1,000 lines.

## Output

Print out in each line the largest prime number found in each input string.

Sample Input	Sample Output
11245	11
91321150448	1321
1226406	2
0	