

## Problem I <br> 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 |
| :--- | :--- |
| 11245 | Sample Output |
| 91321150448 |  |
| 1226406 | 1321 |
| 0 |  |

