Vishal Agrawal ⏻

<CodeVita/>
The TCS Global Coding Contest

05 Hr **58** Min
40 Sec

Coding Area
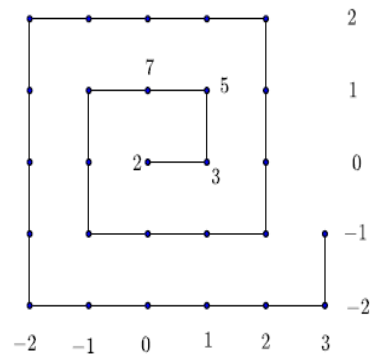
| **A** | **B** | **C** | **D** | **E** | **F** |

ONLINE EDITOR (C)

Spiral Primes

╋ Problem Description

The prime numbers are written in a spiral form staring at (0,0) and moving as shown in the diagram below.

The objective is to find the prime at a given position (x and y coordinates).

╋ Constraints

```
N<=20

Each output prime < 1000000

-130< x,y <130
```

╋ Input Format

```
The first line has an integer N that specifies the number of coordinates in this test case

The next N lines each have a pair of comma separated integers, which are the x and y coordinates of the position
```

╋ Output

```
The output consists of N lines.

Each consists of an integer specifying the prime at the corresponding position.
```

╋

╋ Explanation

Example 1

Input

2

1,0

0,1

Output

3

7

Explanation

N=2. There are 2 sets of coordinates in this test case. The coordinates are (1,0) and (0,1).. The corresponding primes in the spiral are 3 and 7. The output hence has these.

Example 2

Input

3

1,1

-1,1

-1,0

Output

5

11

13

Explanation

There are 3 sets of coordinates in this test case (N=3). The coordinates are (1,1),(-1,1) and (-1,0). The corresponding primes at these positions are 5, 11, 13. Hence the output has these in 3 lines.

Upload Solution [Question : C]

☐ I, **vishal agrawal** confirm that the answer submitted is my own.   ☐ Took help from online sources (attributions)

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