



## Coordinate snail

- Time limit: 1 second
- Memory limit: 64 MB

The figure below shows a coordinate snail. Each coordinate snail with size  $n$  starts from number one in the center of the coordinates and travels according to the image below.



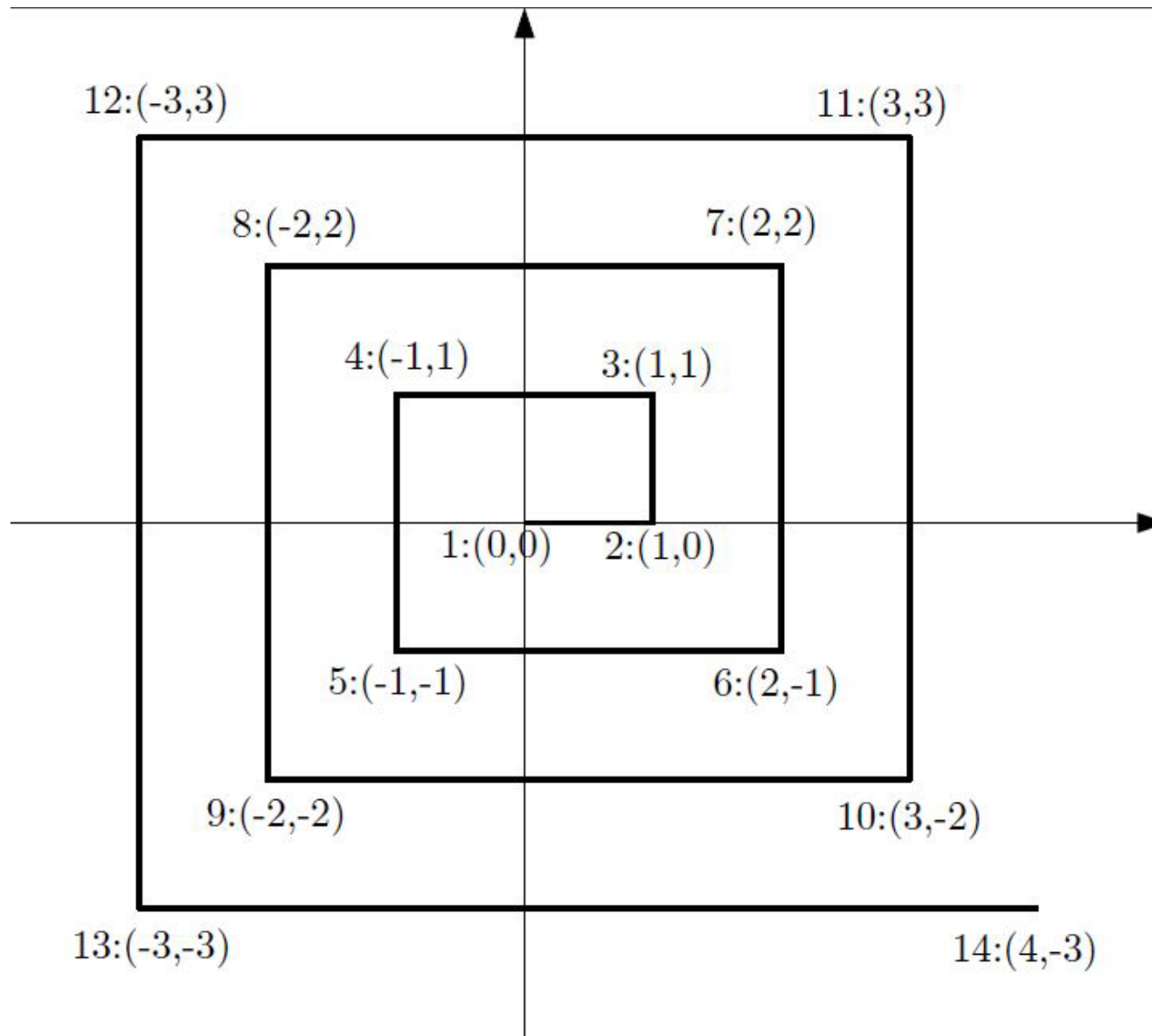
### ▼ Questions

|     |                              |
|-----|------------------------------|
| 100 | Factorial                    |
| 100 | exponential function         |
| 100 | Idle and tasteless           |
| 100 | Working with decimal numbers |
| 100 | B.M.M. and K.M.M             |
| 100 | Genghis and copyright        |
| 150 | <b>Coordinate snail</b>      |
| 200 | very first                   |

All submissions

Final submissions

Scoreboard



We want to write a program that the numbers receive from the user and then deliver the coordinates

We want to write a program that the number receive from the user and then deliver the coordinates of that point to the user.

## Input

In a number  $n$  will be given to you.

$$1 \leq n \leq 10^6$$

## Output

Print the coordinates separated by spaces in a single output line.

## Example

### Sample input

14

### Sample output

4 -3

Explanation:

Number one is placed at the origin of coordinates, number two is placed at point  $(1, 0)$  and number

Number one is placed at the origin of coordinates, number two is placed at point  $(2,0)$ , and number three is placed at point  $(1,1)$ , and so on until finally, point 14 is  $(3,-4)$  placed at

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.The training period is over

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