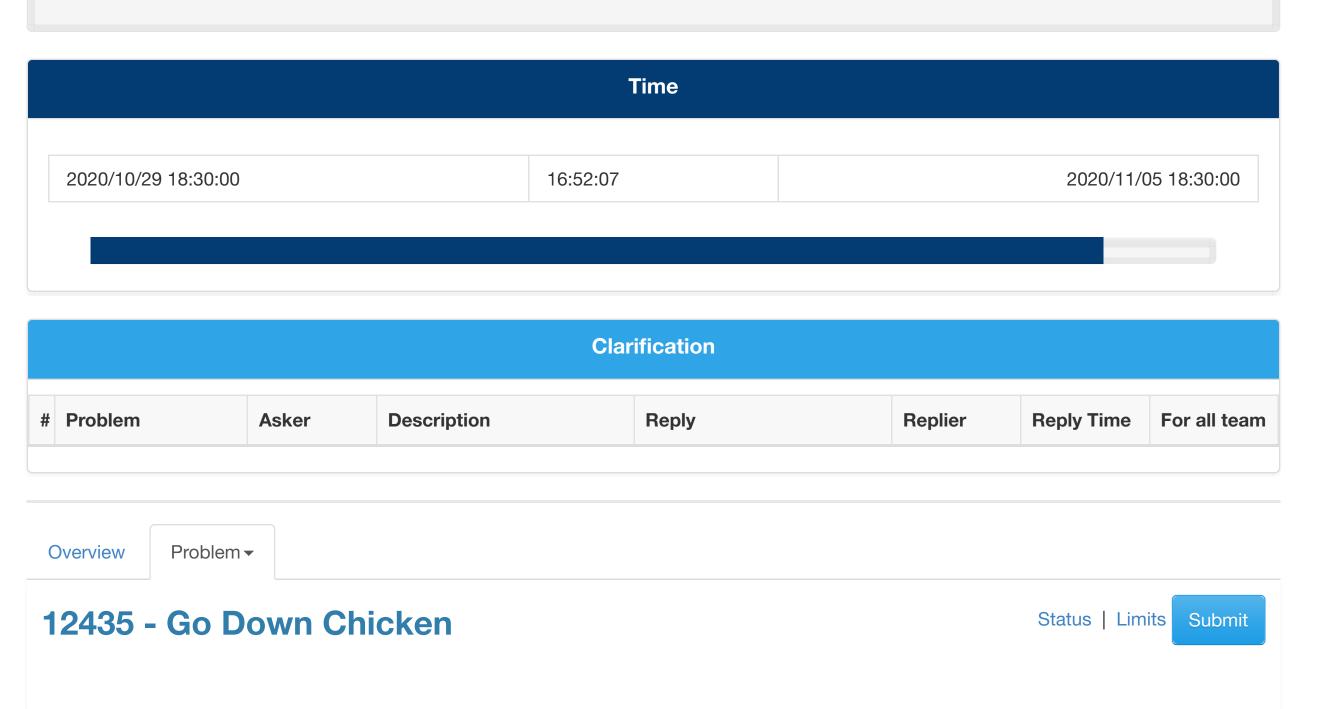
2148 - I2P(II) 2020_Chen_mid1_practice Scoreboard



"Go Down Chicken is a vicious monster, it will hit you until you have cerebral

Description

To avoid from being attacked by Go Down Chicken, you need to solve the following problem.

concussion(腦震盪)." ~from an anonymous bestiary.

This question has multiple input in each testcase. The input end with **EOF**. Each input contain n numbers $a_i(1 \le i \le n)$ and q queries $x_i(1 \le j \le q)$.

Each number **a**_i represents a game.

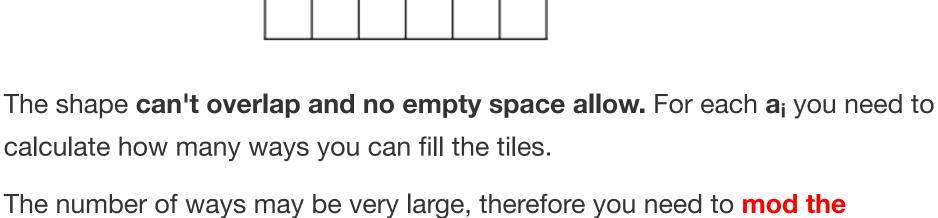
The game is that you need to fill a 3 * a_i tiles with the shape(The left one)

<u>ai</u> = 6

described in the picture below.

answer with 100000007.

the shape.



For example: The picture above present a 3*6 tiles, you will have 8 ways to fill the tiles with

Each query will give you one integer x_i means the ways to fill the tiles.

Once you finish those **n** games, you need to answer **q** queries.

If there're multiple answers, answer the earliest round.

If you can't find the answer, print "Go Down Chicken 404"

You need to answer x_i is in which round of the games?

Sample input explain:

If the tiles is 3*6: you have 8 ways to fill it.

You have n = 5, q = 3

If the tiles is 3*9: you have 0 ways to fill it.

If the tiles is 3*13: you have 0 ways to fill it.

Then you have 5 integer: 6, 9, 13, 4, 3

If the tiles is 3*3: you have 0 ways to fill it.

If the tiles is 3*4: you have 4 ways to fill it.

There are multiple rounds turn out have 0 ways, but you need to answer the earliest round. The earliest round is second round.

Then you have 3 queries: **0, 4, 1024**

Therefore the answer is 4. The round that turns out have 1024 ways can't be found.

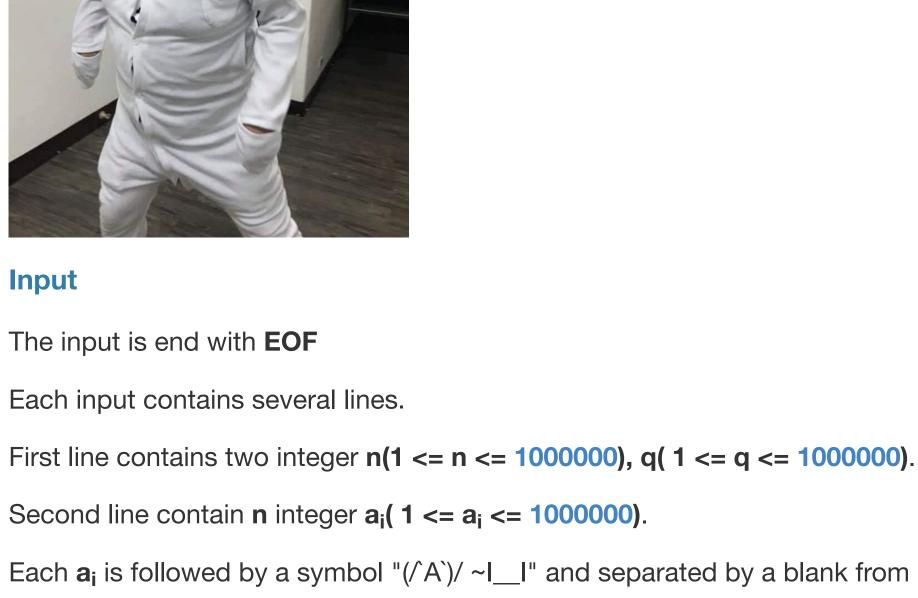
Therefore the answer is "Go Down Chicken 404".

The round that turns out have 4 ways is the forth round.

Psychologist: Don't be afraid, Go Down Chicken do not exist, it won't hurt you.

Therefore the answer is 2.

Go Down Chicken:



the next integer.

Output

53

1024

6 4

For each query print that x_i is the result of which round of the games(start from 1).

If you can't find the answer, print "Go Down Chicken 404" Sample Input Download

6(/^A`)/~I__I 9(/^A`)/~I__I 13(/^A`)/~I__I 4(/^A`)/~I__I 3(/^A`)/~I__I 4

The following \mathbf{q} lines each line contains one integer $\mathbf{x_i}$.

If there're multiple answers, answer the earliest round.

```
8(/^A`)/~I__I 2(/^A`)/~I__I 3(/^A`)/~I__I 8(/^A`)/~I__I 11(/^A`)/~I__I 12(/^A`)/~I__I
    16
    0
    2
    512
Sample Output
                          Download
    2
    Go Down Chicken 404
```

Discuss

Contact us: nthucsoj@gmail.com

3

Go Down Chicken 404

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