

27 Playing Tetris™ with the printer

12 points

Introduction

You are working in a photo edition app and one of the main features you plan to offer is tiling. Tiling consists in placing photos in the rectangular sheet of paper you want to print. These photos are square-shaped and all have the same size with a maximum length of each side. All together have to cover the whole surface.

For example:

- If your algorithm receives as input that the sheet is 12 x 12, the algorithm will return that it can print 1 photo of 12 x 12.
- Now you get a 5 x 10 paper sheet. In this case the maximum square is 5 x 5 and you can print 2 photos in it
- If you get a 3 x 5 paper, in this case the only option to avoid wasting any paper is to print 15 pictures of length 1.

Input

The first line will contain the number of test cases. Following lines will be the width and height of the paper sheets.

```
3
12 12
5 10
3 5
```

Output

For each paper sheet print the following sentence:
I will print 1 picture(s) of length 12
I will print 2 picture(s) of length 5
I will print 15 picture(s) of length 1

