

**3725 - Restaurant**

## Description

Martha is interviewing at Subway. One of the rounds of the interview requires her to cut a bread of size  $l \times b$  into smaller identical pieces such that each piece is a square having maximum possible side length with no left over piece of bread.

## Input specification

The first line contains an integer  $T$ .  $T$  lines follow. Each line contains two space separated integers  $l$  and  $b$  which denote length and breadth of the bread.

$$1 \leq T \leq 1000$$

$$1 \leq l, b \leq 1000$$

## Output specification

$T$  lines, each containing an integer that denotes the number of squares of maximum size, when the bread is cut as per the given condition.

## Sample input

```
2
2 2
6 9
```

## Sample output

```
1
6
```

## Hint(s)

The 1st testcase has a bread whose original dimensions are  $2 \times 2$ , the bread is uncut and is a square. Hence the answer is 1.

The 2nd testcase has a bread of size  $6 \times 9$ . We can cut it into 54 squares of size  $1 \times 1$ , 0 of size  $2 \times 2$ , 6