# Restaurant



#### **Problem Statement**

Martha is interviewing at Subway. One of the rounds of the interview requires her to cut a bread of size \$I \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 format**

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

## **Output format**

\$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.

#### **Constraints**

```
1 <= T <= 1000
1 <= I, b <= 1000
```

## Sample Input

2 2 2 6 9

## **Sample Output**

1 6

## **Explanation**

The  $1^{st}$  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 2<sup>nd</sup> 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 of size \$3 \times 3\$, 0 of size \$4 \times 4\$, 0 of size \$5 \times 5\$ and 0 of size \$6 \times 6\$. The number of squares of maximum size that can be cut is 6.