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# Rectangular Folds

**Submissions** 

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You are given a rectangular sheet of paper. Your task is to count the number of rectangular folds you can make. Folding is always done on the longer side of the sheet. If both sides are equal in size, fold on the previously folded side.

**Discussions** 

Off you go! Don't dilly-dally so long!

#### **Input Format**

**Problem** 

Input starts with the number of test cases T. Succeeding T lines contain two positive integers X, Y that define the size of the rectangular sheet.

#### **Constraints**

### **Output Format**

The output is the number of rectangular folds that your program can virtually make on the rectangular sheet.

## Sample Input 0

```
100 90
2 5
6 2
```

# Sample Output 0

```
5
12
2
3
```

```
C++
  1 ▼ #include <cmath>
     #include <cstdio>
     #include <vector>
     #include <iostream>
     #include <algorithm>
     using namespace std;
  9 ▼ int main() {
 10 ▼
         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
 11
         return 0;
 12
     }
 13
--VIM---
                                                                                                                        Line: 10 Col: 39
```