2. Apple

Timelimit: 1000MS Memorylimit: 64M

Problem Description:

There are a box of apples, which contains N apples. You're going to give them to M person. It is required that everyone must be given a positive integer apple, and no one must have the same amount. If it can be done, output "possible"; otherwise output "impossible".

Input requirements:

The first line contains a positive integer T（1≤T≤5）- the number of test cases.
In each of the following T lines there are two positive integers N,M.(1 ≤N≤1000000， 1 ≤M≤1000).

Output requirements:

For each test case output a line. If it can be done, output "possible"; otherwise output "impossible".

Sample input:

```
3
9 3
12 1
9 4
```

Sample output:

```
possible
possible
impossible
```