Description | Hints | Submissions | Discussions | Notes

Climbing Stairs

Difficulty	Time Limit	Memory	Score
[illegible]	2 sec	256000KB	100

80/80 XP | 30/30

Description

You are climbing a staircase. It takes N steps to reach the top.

Each time you can either climb 1 or M steps. What is the minimum number of climbs you need to do to reach the top, i.e., Nth stair?

Input Format

The first line of input contains T - the number of test cases. Then T test cases follow.

The only line of each test case contains two space-separated integers - N and M.

Output Format

For each test case, print the minimum number of climbs require to climb the top on a new line.

Constraints

$1 \leq T \leq 10^6$

$1 \leq M \leq N \leq 10^9$

Sample Input 1 Copy

```
2
5 1
6 4
```

Sample Output 1 Copy

```
5
```

C++14 | 00:00:00 | 12 px

```cpp
#include<bits/stdc++.h>
using namespace std;
#define endl "\n"
using lli=long long int;
using pp=pair<lli,lli>;

int n,m;

void solve(){

    cin>>n>>m;
    int ans=n/m+n%m;
    cout<<ans<<endl;
}

int main(){
    ios_base::sync_with_stdio(0);
    cin.tie(0);
    cout.tie(0);
    int t;
    cin>>t;
    while(t--){
```

Sample Tests | Manual Tests

Test Case 1

ACCEPTED

Input

```
2
5 1
```

Console

ACCEPTED