Accommodation

locked

You and your friend are on a trip and wants to pass the night in a local hotel. However, both of you will stay in the hotel only if you and your friend gets to stay in the same room.

Currently, the hotel has n rooms. The i-th room has pi people living in it and the room can accommodate qi people in total. Your task is to count how many rooms has free place for both you and your friend.

Input Format

- The first line contains a single integer n, the number of rooms.
- The i-th of the next n lines contains two integers pi and qi, the number of people who already live in the i-th room and the room's capacity.

Constraints

- $1 \le n \le 100$
- $0 \le pi \le qi \le 100$

Output Format

Print a single integer, the number of rooms where you and your friend can move in.

C++

```cpp
#include<bits/stdc++.h>
using namespace std;
int main()
{
    int n,p,q,ans=0;
    cin>>n;
    while(n--){
        cin>>p>>q;
        if(q-p>1) ans++;
    }
    cout<<ans;
    return 0;
}
```