A. George and Accommodation

time limit per test

1 second

memory limit per test

256 megabytes

input

standard input

output

standard output

George has recently entered the BSUCP (Berland State University for Cool Programmers). George has a friend Alex who has also entered the university. Now they are moving into a dormitory.

George and Alex want to live in the same room. The dormitory has n rooms in total. At the moment the i-th room has p_i people living in it and the room can accommodate q_i people in total ($p_i \le q_i$). Your task is to count how many rooms has free place for both George and Alex.

Input

The first line contains a single integer n ($1 \le n \le 100$) — the number of rooms.

The i-th of the next n lines contains two integers p_i and q_i ($0 \le p_i \le q_i \le 100$) — the number of people who already live in the i-th room and the room's capacity.

Output

Print a single integer — the number of rooms where George and Alex can move in.

Examples

input

Copy

```
3
1 1
2 2
3 3
```

output

Copy

```
0
```

input

Copy

```
3
1 10
0 10
10 10
```

output

Copy

```
2
```