A. Accommodation

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 *pi* people living in it and the room can accommodate *qi* people in total (*pi* ≤ *qi*). 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 ≤ *n* ≤ 100) — the number of rooms.

The *i*-th of the next *n* lines contains two integers *pi* and *qi* (0 ≤ *pi* ≤ *qi* ≤ 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**

3  
1 1  
2 2  
3 3

**output**

0

**input**

3  
1 10  
0 10  
10 10

**output**

2