

## Problem E. George and Accommodation

**Time Limit** 1000 ms

**Mem Limit** 262144 kB

**Input File** stdin

**Output File** stdout

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 ( $p_i \leq q_i$ ). Your task is to count how many rooms has free place for both George and Alex.

### Input

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

The  $i$ -th of the next  $n$  lines contains two integers  $p_i$  and  $q_i$  ( $0 \leq p_i \leq q_i \leq 100$ ) — 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	Output
3 1 1 2 2 3 3	0

Input	Output
3 1 10 0 10 10 10	2