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## Counting problem (3)

P84639\_en

Given a sequence of n integer numbers  $x_1 \dots x_n$ , count how many i's, with  $1 \le i \le n$ , follow the property

$$|\{j: 1 \le j < i \land x_i > x_i\}| = \lfloor i/2 \rfloor.$$

#### Input

The input consists of several cases. Each case begins with n, followed by the n integer numbers  $x_1 \dots x_n$ . Assume  $0 \le n \le 10^5$ .

### Output

For each case, print the number of indices *i* that fulfill the condition above.

San	nple input	Sample output
4	2 3 5 7	1
4	7 2 5 3	4
3	-7 -7 -7	1

#### **Problem information**

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