Joey likes to count how many salami slices he has on his pizza. He only remembers the last pizza, so he is happy if he has more salami on the current pizza than the previous one. Given the number of salami on Joey's pizzas, can you tell how many times he was happy?

Input
The first line of the input contains n $(2 \le n \le 100)$ – the number of pizzas. The second line contains n integers $s_1, s_2, \ldots, s_n$ $(0 \le s_i \le 1000)$ – the number of salami slices, for each pizza.

Output

Your program should print a single number, which is the number of pizzas that Joey was happy with.

Example
input

7

8 3 6 13 0 27 4

output

3

Note

Explanation: there are 3 occasions when Joey is happy, the pizzas with 6, 13 and 27 salami, since these are greater than the previous number in the sequence (6 > 3, 13 > 6 and 27 > 0). The first number in the sequence doesn't count, because there is no previous item.