Penny likes to drink a glass of wine now and then. Or two glasses, or more... Well, she can't remember the number of glasses when she drinks more than 10 glasses of wine. Given the number of glasses she drank on previous occasions, can you tell what is the maximum number of glasses that she remembers?

Input
The first line of the input contains n $(1 \leq n \leq 100)$ – the number of occasions. The second line contains n integers $w_1, w_2, \ldots, w_n$ $(0 \leq d_i \leq 50)$ – the number of glasses of wine Penny had on each occasion.

Output

Your program should print a single number, which is the maximum number of glasses that Penny can remember. (This number should be between 0 and 10.) Print -1, if Penny can't remember anything (because she always drank too much).

Example
input

7

8 3 6 13 0 1 4

output

8

Note

Explanation: Penny can't remember the number of glasses when she drank 13 glasses, because it is more than 10. In this series, the numbers which are not greater than 10 are: 8 3 6 0 1 4. The greatest number of these is 8. (But, for example, if she drank 10 glasses instead of 13 on the fourth day, the answer would be 10.)