

# Nailoongs Always Lie

Input file: standard input  
Output file: standard output  
Time limit: 1 second  
Memory limit: 1024 megabytes

Grammy arrives on a planet inhabited by mythical creatures, including a species called Nailoong. Through her interactions, she discovers two rules:

- Nailoongs always lie.
- All other creatures may either tell the truth or lie.

There are  $n$  creatures on the planet. The  $i$ -th creature claims: “The creature numbered  $a_i$  is a Nailoong.”

Please determine the maximum possible number of Nailoongs among these creatures that could possibly exist under these rules.

## Input

The first line of input contains one integer  $n$  ( $1 \leq n \leq 10^5$ ).

The second line contains  $n$  integers  $a_1, a_2, \dots, a_n$  ( $1 \leq a_i \leq n$ ), where the  $i$ -th creature claims that the  $a_i$ -th creature is a Nailoong.

## Output

Output one integer, the maximum possible number of Nailoongs among these creatures that could possibly exist under these rules.

## Example

standard input	standard output
6 4 1 1 5 6 5	4