



## Statement

While walking in Las Vegas, you come across a stand with a simple game: the dealer mixes the card game (limited to cards from 1 to 9) and draws one. Before the draw, if you announced the right number, you win eight times your bet, otherwise you lose your money.

You know that the potential gains on this type of game are very low but your friend is not of the same opinion. He's going for it! Even if you watch him play, you advise him to play the numbers that often fall consecutively (there is no real explanation for this method, but hey, it's at least a strategy). So you look at past draws that are displayed on a screen above the table.

## Data format

### Entry

Row 1: an integer **N** between 1 and 10 000 representing the number of draws displayed in the history.

Rows 2 to **N** + 1: a digit between 1 and 9 representing the number of the card drawn.

### Output

A number representing the length of the largest series where a number was repeated.

## Example

### Input

10  
5  
3  
3  
4  
9  
9  
9  
9  
9  
6

### Output

5

because the longest series where a number has been repeated is when the 9 was drawn 5 times in a row.