## 4 Palindrome Parade

In the small village of Senones, there's an annual tradition known as the Palindrome Parade. Villagers march through the streets, each holding a banner with a palindromic phrase. The villagers compete to display the longest palindrome, as there's a prize for the largest banner. However, some villagers are cheaters and hold up banners with phrases that aren't palindromes.

A palindrome is a sentence that reads the same backward as it does forward. Spaces do not affect whether a phrase is a palindrome or not. You will be given a list of the banners in the parade, and it is up to you to find the length of the longest palindromic banner.

### 4.1 Input

Input will consist of an integer $x$ where $x>0$, and the next $x$ lines of input will be the phrases on the banners in the parade.

Phrases consist of only lowercase letters and spaces, no special characters. Some phrases are palindromes, while others are not.

### 4.2 Output

Output the length of the longest palindrome from the input

### 4.3 Sample Input/Output

| Sample Input | Sample Output |
| :--- | :--- |
| 4 | 11 |
| race care |  |
| i love acm at fsu |  |
| mr owl worm |  |
| radar |  |

