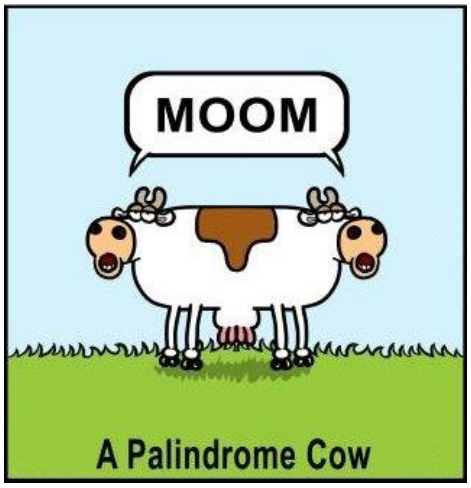
Problem 76: Palindrome Series



Difficulty: Easy

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Problem Background

A palindrome is a word, a number, or a sequence of symbols or elements which reads the same forward or backward (case is not sensitive meaning 'a' is the same as 'A').

For example, the following are palindromes:

- Madam
- Civic
- AbBa
- 123321
- $a3*3A$

Problem Description

You have been tasked to write a program to determine whether a given series of words, numbers, or sequences of symbols or elements are all palindromic.

Sample Input

The first line of your program's input, received from the standard input channel, will contain a positive integer representing the number of test cases. Each test case will include:

- A line containing a positive integer N representing the number of words that follow.
- N lines, each containing a word, a number, or a sequence of symbols or elements.

```
2
4
Madam
AbBa
123321
$a3*3A$
5
Radar
aBAb
sagas
wOW
12345
```

Sample Output

For each test case your program should print one of the following:

- If every item in the series is a palindrome, print: True
- If not every item in the series is a palindrome, print: False – n1, n2, ...

Where n1, n2, and so on are the non-palindromic items found in the series. The first item in the series should be number 1.

```
True
False - 2, 5
```