

Madam I'm Adam

Task: A palindrome is a word that reads the same backwards and forwards. This can be extended to sentences, and then everything that is not a alphabetic letter is ignored (like spaces, apostrophes and punctuation marks), and lowercase/uppercase letters are equivalent. Your task is to check for all given words whether they are palindromes.

Input: The first line specifies the number of test cases t , and $t \leq 100$. The following t lines contain a string each.

Output: Print 'true' if the string represents a palindrome, and 'false' else.

Sample Input:

```
3
No lemon, no melon!
einalem
Madam, I am Adam.
```

Sample Output:

```
true
false
false
```