Problem A: Palindromes

Sally loves palindromes and has made it her goal to memorize every palidrome in existence. A palindrome is a string that is the same whether it is read forwards or backwards.

For example, the following strings are all palindromes:  
“Dad”

“Racecar”

“A man, a plan, a canal, panama!” (If we ignore punctuation)

Sally wants to read the dictionary and memorize every palindrome. Help her figure out whether certain words are palindromes.

**Input:**

The first line of input provides the number of test cases, **T** (1 ≤ **T** ≤ 100). **T** test cases follow. Each test case consists of one word containing exclusively uppercase letters.

**Output:**

For each test case, your program should output one line containing “YAY” if the word is a palindrome, or “NAY” otherwise.

**Sample Input:**

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DAD

TOOT

DOORKNOB

RACECAR

**Sample Output:**

YAY

YAY

NAY

YAY