

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 ($1 \leq T \leq 100$). 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:

```
4
DAD
TOOT
DOORKNOB
RACECAR
```

Sample Output:

```
YAY
YAY
NAY
YAY
```