Nabid Loves Palindromic String

Problem Statement:

Recently Nabid learn about palindromic string. A regular palindrome is a string of numbers or letters that is the same forward as backward. For example, the string "ABCDEDCBA" is a palindrome because it is the same when the string is read from left to right as when the string is read from right to left. Now when he fined a string he tries to make it into a palindromic string changing position. It is simple for him when the string length is small. But not for a large string.

As you a Good Programmer Your task is to help Nabid.

Input:

Input starts with an integer **T (≤ 25)**, denoting the number of test cases.

Each case contains string S length L where $1<=L<=10^6$. Assume that all the Character is in uppercase (A-Z).

Output:

For each case, print the case number and print YES or NO.

Sample Input/Output:

Sample Input	Sample Output
3 BARID AAFFG JARIN	Case 1: NO Case 2: YES Case 3: NO

_____

Problem setter: *Md. Ajharul islam Barid*,Dept. of CSE

Bangladesh University of Business and Technology (BUBT)