2150 - Balanced Words II

Description

"Never the second parts were good" but Octavito as a warrior that is, does not share that idea. He has learned to easily identify a type of balanced word therefore thought that it would have not trouble identifying others and in a girls conversation he heard about some kind of balanced word he thought he could not solve. In this case the word is considered balanced when the first **n/2** letters of the word is balanced with the last **n/2** letters, meaning balanced when they have the same amount of upper and lower case characters. Our friend Octavito want to impress these girls solving this problem, but he needs your help.

Input specification

The first line contains a number **1 <= C <= 100** which determines the number of words which Octavito wants to know if are balanced or not, the following **C** lines contains the word to solve (the word length is not greater than **100**).

Output specification

You should print "SI" if the word is balanced, in other cases print "NO".

Sample input

```
2
aBcD
aBBCDE
```

Sample output

```
SI
NO
```

Hint(s)

Source	Nolberto Isaac González & Adrián Hondal Hernández
Added by	**lgvallejo**
Addition date	2012-11-14