

Magical Names

In Ancient Greek villages, people liked to name their kids such that the name remains the same when read forward or backward. They called these names magical. Given a string S , determine if it is a magical name or not.

Input (STDIN):

The first line contains T , the number of test cases. The next T lines contain a string each.

Output (STDOUT):

For each test case, output "YES" if the string is magical, and "NO" otherwise.

Constraints:

$1 \leq T \leq 100$

$1 \leq |S| \leq 10$

Time Limit: 1s

Sample Input:

2

aba

ab

Sample Output:

YES

NO