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(CODECHEF Certified) Data Structure & Algorithms Programme (CCDSAP)

EXAM DATE

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Chef and digits of a number | Problem Code: LONGSEQ









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All submissions for this problem are available.

Read problems statements in Mandarin Chinese, Russian and Vietnamese as well.

Chef has a number **D** containing only digits 0's and 1's. He wants to make the number to have all the digits same. For that, he will change exactly one digit, i.e. from 0 to 1 or from 1 to 0. If it is possible to make all digits equal (either all 0's or all 1's) by flipping exactly 1 digit then output "Yes", else print "No" (quotes for clarity)

Input

The first line will contain an integer T representing the number of test cases.

Each test case contain a number made of only digits 1's and 0's on newline

Output

Print T lines with a "Yes" or a "No", depending on whether its possible to make it all 0s or 1s or not.

Constraints

Subtask #1: (40 points)

- $1 \le T \le 50$
- $1 \le Length of the number D \le 50$

Subtask #2: (60 points)

- $1 \le T \le 10$
- 1 \leq Length of the number D \leq 10⁵

Example

Input:

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Explanation

Example case 1. In 101, the 0 can be flipped to make it all 1..

Example case 2. No matter whichever digit you flip, you will not get the desired string.

Author: 2* chandubaba

Tester: 4★ dpraveen

Editorial: http://discuss.codechef.com/problems/LONGSEQ

Tags: ad-hoc, cakewalk, chandubaba, sept16, string

Date Added: 24-01-2016

Time Limit: 1 secs

Source Limit: 50000 Bytes

Languages: C, CPP14, JAVA, PYTH, PYTH 3.5, PYPY, CS2, PAS fpc, PAS gpc,

RUBY, PHP, GO, NODEJS, HASK, SCALA, D, PERL, FORT, WSPC, ADA, CAML, ICK, BF, ASM, CLPS, PRLG, ICON, SCM qobi, PIKE, ST, NICE, LUA, BASH, NEM, LISP sbcl, LISP clisp, SCM guile, JS, ERL, TCL, PERL6, TEXT, SCM chicken, CLOJ, FS

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CodeChef - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

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