

Day 8 Assignment

Q1.

You are provided with a number D containing only digits 0's and 1's. Your aim is to convert this number to have all the digits same.

For that, you 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 Format:

The first line of the input contains the number D made of only digits 1's and 0's.

Output:

Print 'YES' or 'NO' depending on whether its possible to make it all 0s or 1s or not.

Example-1:

Input:

101

Output:

YES

Example-2:

Input:

11

Output:

NO

Explanation:

In the first example, it is possible to make all the digits same by flipping the middle digit from 0 to 1. In the second example it is not possible.

Regards,

Dr. Darshan Ingle.