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[Announcements \(announcements\)](#)
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[Progress \(student/home\)](#) [Mentor \(student/mentor\)](#)

Programming Assignment-1: Digits

Due on 2020-02-27, 23:59 IST

You are given a number **A** which contains only digits 0's and 1's. Your task is to make all digits same by just flipping one digit (i.e. 0 to 1 or 1 to 0) only. If it is possible to make all the digits same by just flipping one digit then print '**YES**' else print '**NO**'.

Input Format:

The first line contains a number made up of 0's and 1's.

Output Format:

Print 'YES' or 'NO' accordingly without quotes.

Example:

Input:

101

Output:
YES

Explanation:

If you flip the middle digit from 0 to 1 then all the digits will become same. Hence output is YES.

Sample Test Cases

	Input	Output
Test Case 1	0	YES

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

week 4

- Practice is the key (unit? unit=59&lesson=60)
- Magic Square: Hit and Trial 01 (unit? unit=59&lesson=61)
- Magic Square: Hit and Trial 02 (unit? unit=59&lesson=62)
- Magic Square: Hit and Trial 03

(unit? unit=59&lesson=63)	Test Case 2	101010	NO
<input checked="" type="radio"/> Magic Square: Hit and Trial 04 (unit? unit=59&lesson=64)	Test Case 3	1101	YES
<input checked="" type="radio"/> Magic Square: Hit and Trial 05 (unit? unit=59&lesson=65)	Test Case 4	10	YES
	Test Case 5	1011	YES
	Test Case 6	0011	NO

Let's program
and play (unit?
unit=59&lesson=66)

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Dobble Game -
Spot the
similarity 01
(unit?
unit=59&lesson=67)

Sample solutions (Provided by instructor)

Dobble Game -
Spot the
similarity 02
(unit?
unit=59&lesson=68)

```

1 A = input()
2 ls = []
3 li = str(A)
4 for j in li:
5     ls.append(int(j))
6 count_z = 0
7 count_o = 0
8 for k in ls:
9     if(k==1):
10        count_o += 1
11    if(k==0):
12        count_z += 1
13
14 if((count_o == 1) or (count_z == 1)):
15    print("YES")
16
17 else:
18    if((count_o == 0) or (count_z == 0)):
19        print("NO")
20    else:
21        print("NO")

```

Dobble Game -
Spot the
similarity 03
(unit?
unit=59&lesson=69)

Dobble Game -
Spot the
similarity 04
(unit?
unit=59&lesson=70)

What is your
date of birth?
(unit?
unit=59&lesson=71)

Birthday
Paradox - Find
your twin 01
(unit?
unit=59&lesson=72)

Birthday
Paradox - Find
your twin 02
(unit?
unit=59&lesson=73)

Birthday
Paradox - Find
your twin 03
(unit?
unit=59&lesson=74)

- Birthday Paradox - Find your twin 04 (unit? unit=59&lesson=75)
- Birthday Paradox - Find your twin 05 (unit? unit=59&lesson=76)
- What's your favourite movie? (unit? unit=59&lesson=77)
- Guess the Movie Name 01 (unit? unit=59&lesson=78)
- Guess the Movie Name 02 (unit? unit=59&lesson=79)
- Guess the Movie Name 03 (unit? unit=59&lesson=80)
- Guess the Movie Name 04 (unit? unit=59&lesson=81)
- Guess the Movie Name 05 (unit? unit=59&lesson=82)
- Guess the Movie Name 06 (unit? unit=59&lesson=83)
- Quiz : Assignment 4 (assessment? name=263)
- Programming Assignment-1: Digits (/noc20_cs35/progassignment? name=280)**
- Programming Assignment-2: Factorial (/noc20_cs35/progassignment? name=281)

Programming
Assignment-3:
Matrix
(/noc20_cs35/progassignment?
name=282)

Week 4
Feedback
(unit?
unit=59&lesson=283)

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

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