

Problem R. uNrEaDaBlE sTrInG

Time limit 2000 ms

Mem limit 1048576 kB

Problem Statement

We call a string **hard-to-read** when its odd-positioned (1-st, 3-rd, 5-th, ... from the beginning) characters are all lowercase English letters and its even-positioned characters (2-nd, 4-th, 6-th, ... from the beginning) are all uppercase English letters.

Determine whether a string S is hard-to-read.

Constraints

- S consists of uppercase and lowercase English letters.
- The length of S is between 1 and 1000 (inclusive).

Input

Input is given from Standard Input in the following format:

S

Output

If S is hard-to-read, print **Yes** ; otherwise, print **No** .

Sample 1

Input	Output
dIfFiCuLt	Yes

The odd-positioned characters are all lowercase and the even-positioned characters are all uppercase, so it is hard-to-read.

Sample 2

Input	Output
eASY	No

The 3-rd character is not lowercase, so it is not hard-to-read.

Sample 3

Input	Output
a	Yes