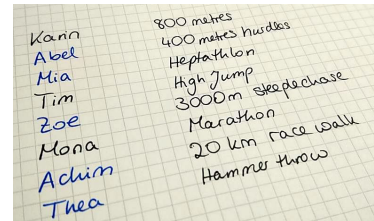# Problem A: Alphabetical Athletes

Time limit: 1 second

Anna is organizing the accommodation of the athletes of the German delegation at the Olympic Games. While going over the list of names, she suddenly realizes that some of the names have their letters sorted alphabetically. She wonders if this is simply a funny coincidence or if there are more words in the German language where this is the case.

A word is said to be sorted alphabetically if the letters occur in the same order in the word as in the alphabet, or if they appear in the reverse order as in the alphabet. For simplicity, Anna does not distinguish between upper- and lowercase letters.

Input

The input consists of:

- One line with a string s ($1 \leq |s| \leq 60$), a German word. The word only consists of letters 'a' to 'z' and 'A' to 'Z'. All letters are given in lowercase, except for the first one which is either upper- or lowercase.

Output

Output "yes" if the word is sorted alphabetically, and "no" otherwise.

Sample Input 1	Sample Output 1
bekloppt	yes

Sample Input 2	Sample Output 2
Ente	no

Sample Input 3	Sample Output 3
Rommee	yes

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