Problem N. Lexicographic Order

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

You are given two different strings S and T.
If S is lexicographically smaller than T, print `Yes`; otherwise, print `No`.

▶ What is the lexicographical order?

Note that many major programming languages implement lexicographical comparison of strings as operators or functions in standard libraries. For more detail, see your language's reference.

Constraints

- S and T are different strings, each of which consists of lowercase English letters and has a length of between 1 and 10 (inclusive).

Input

Input is given from Standard Input in the following format:

```
S T
```

Output

If S is lexicographically smaller than T, print `Yes`; otherwise, print `No`.

Sample 1

Input	Output
abc atcoder	Yes

`abc` and `atcoder` begin with the same character, but their second characters are different. Since `b` comes earlier than `t` in alphabetical order, we can see that `abc` is lexicographically smaller than `atcoder`.

Sample 2

Input	Output
arc agc	No

Sample 3

Input	Output
a aa	Yes