Repdigit

A repdigit is a	positive nu	umber comp	osed out of	the same digit.
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Your task is to write a function that takes an integer and returns whether it's a repdigit or not.

Note

The number 0 should return True (even though it's not a positive number).

Input

The first line of input contains the number.

Output

The first line displays "true" or "false".

Sample input

Sample output

true
true
false