

Pandigital Numbers

A pandigital number contains all digits (0-9) at least once.

Your task is to write a function that takes an integer, returning true if the integer is pandigital, and false otherwise.

Input

The first line of input contains the integer.

Output

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

Sample input

Sample output

98140723568910	true
90864523148909	false
90864523148909	false