isSorted

Time limit: 1 sec

Given a list of Int, determine whether the list is sorted. A list is sorted when an element in a list is less than or equal to every elements that come after itself.

Your Task

Write a function called “isSorted” in the given code.

Input

- The first line of input contains a list of Int. The length of the list does not exceed 10,000.

Output

Output exactly one line containing the word “True” when the list is sorted, display “False” otherwise.

Example

Input	Output
[1,10,20]	True
[1,20,4,30]	False
[1,1,1,1,1,1,1,1,1,1]	True
[9]	True

Haskell Input

Please use the following starting code. The code reads two lists from the keyboard and call the function merge

```
main :: IO ()
main = do
    x1 <- readLn                -- this is a
    putStrLn (show (isSorted x1))

find :: [Int] -> Bool
-- Write your code here
```