Time limit: 2.0s Memory limit: 64M

Larry is having trouble making a problem for the DMOPC, and [REDACTED] is threatening to savage him, so he decides that he will make a nice string manipulation problem.

Given string A, determine if it is possible to make string B by *changing exactly one character* of string A to a *different* character. Both strings are of the same length, and will only consist of alphanumeric characters.

Input Specification

The first line of input will be string A (1 \leq |A| \leq 1000).

The next line of input will be string B (|A| = |B|).

Output Specification

LARRY IS SAVED! if it is possible to make string B from string A, given the restrictions.

LARRY IS DEAD! if it is **not** possible, given the restrictions.

Sample Input

abc			
- 1- 4			
abd			

Sample Output

LARRY IS SAVED!