Create a program that executes changes over a string. First, you are going to receive the string, then commands.

You will be receiving commands until the "End" command. There are six possible commands:

- "Translate {char} {replacement}"
  - Replace all occurrences of the given char with the given replacement, then print the string.
- "Includes {substring}"
  - Check if the current string includes the given substring and print "True" or "False".
- "Start {substring}"
  - Check if the current string starts with the given substring and print "True" or "False".
- "Lowercase"
  - Make the whole string lowercased, then print it.
- "FindIndex {char}"
  - Find the index of the last occurrence of the given char, then print it.
- "Remove {startIndex} {count}"
  - Remove the given count of characters from the string, starting from the start index, then print it.

## Input

- . On the first line, you are going to receive the string.
- · On the following lines, until the "End" command is received, you will be receiving commands.
- All commands are case-sensitive.
- The input will always be valid.

## Output

Print the output of every command in the format described above.

## **Examples**

Input	Output
//Thi5 I5 MY 5trING!//	//This Is MY strING!//
Translate 5 s	False
Includes string	True
Start //This	
Lowercase	//this is my string!//
FindIndex i	16
Remove 0 10	my string!//
End	