

Time to Decompress

Problem Description

You and your friend have come up with a way to send messages back and forth. Your friend can encode a message to you by writing down a positive integer N and a symbol. You can decode that message by writing out that symbol N times in a row on one line. Given a message that your friend has encoded, decode it.

Input Specification

The first line of input contains L , the number of lines in the message. The next L lines each contain one positive integer less than 80, followed by one space, followed by a (non-space) character.

Output Specification

The output should be L lines long. Each line should contain the decoding of the corresponding line of the input. Specifically, if line $i + 1$ of the input contained N x , then line i of the output should contain just the character x printed N times.

Sample Input

```
4
9 +
3 -
12 A
2 X
```

Output for Sample Input

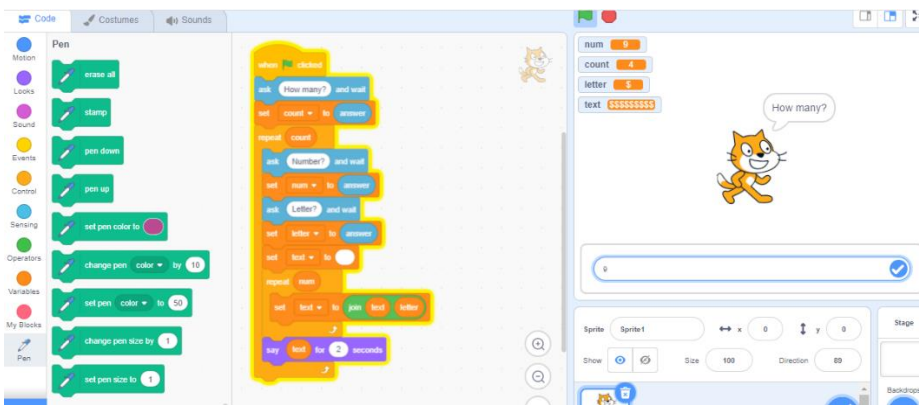
```
+++++++
---
AAAAAAAAAAAA
XX
```

Solution in Code.org

(textArea is called answer)

```
Code Design Data  
ee  
rrr  
ttttt  
Reset  
Toolbox  
UI controls Canvas  
Data Turtle  
Control Math  
Variables Functions  
list[0]  
list.length  
list.join(separator)  
insertItem(list, index, item)  
appendItem(list, item)  
removeItem(list, index)  
var object = {"key": "value"}  
getValue(object, "key")  
addPair(object, "key", "value")  
Workspace  
1 var ans = "";  
2 var i = promptNum("Enter L value");  
3 for ( var i = 0; i < i; i++) {  
4   var times = promptNum("Enter how many times");  
5   var char = prompt("Enter a character");  
6   var tempString = "";  
7   for ( var i=0; i<times; i++) {  
8     tempString+=char;  
9   }  
10  ans+=tempString+"\n";  
11 }  
12 setText(▼ "answer", ans);  
13  
Debug Console
```

Scratch Answer



```
when clicked  
ask How many? and wait  
set count to answer  
repeat count  
  ask Number? and wait  
  set num to answer  
  ask Letter? and wait  
  set letter to answer  
  set text to  
  repeat num  
    set text to join text letter  
say text for 2 seconds
```