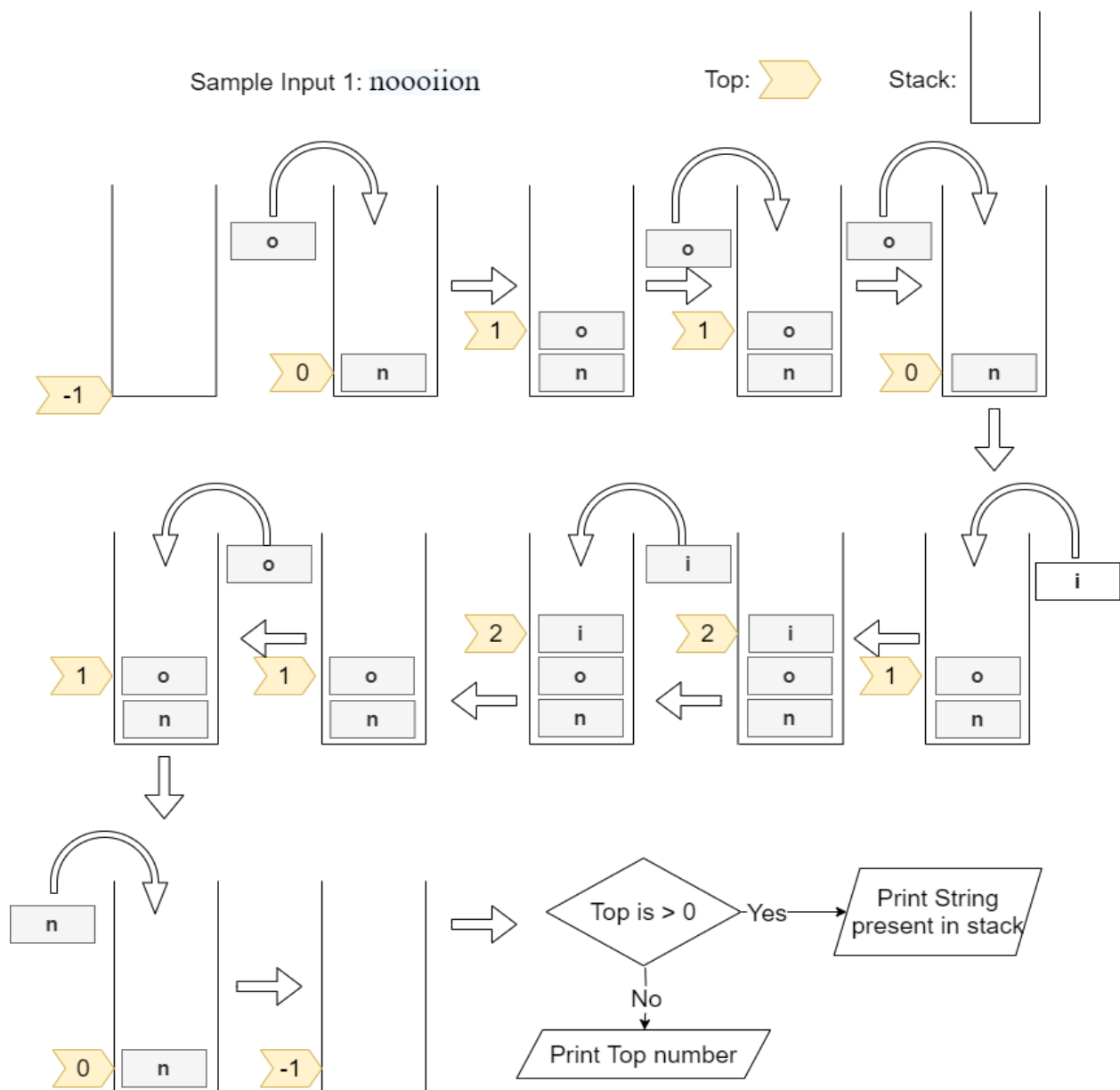


## Editorial - NOI Game

This problem can be solved by using [Stack based programming](#). First, create an  $N$  length of an array and a stack (creating stack in [C](#), [C++](#), [Java](#)). Initialize the top number of stack as  $-1$ . Assign characters of the string to the array index.

Before pushing a character into the stack check the top element, if it is identical to 'top' element and 'top' number is greater than  $-1$ , delete the element which is present in stack, subtract the 'top' by  $1$ , and assign next character in array index to push. If it is not identical to the 'top' element or top number is  $-1$ , increase the 'top' number by  $1$  and push the character.

Repeat the process until the array index  $N-1$ . finally check the 'top' number, if it is greater than  $0$  print the stack elements in string format, if it is not greater than  $0$  print the top number.



\*You can also use an inbuilt stack, then you don't have to worry about implementation details of stacks(Eg: top number). In the given solution we used an [inbuilt stack in c++](#).