Report

In order to handle the input string efficiently, we thought we could change it from its infix form to prefix. For this purpose, stacks were used where we pushed and popped parts of the strings depending on the type of the character. Also, in handling the string, we were aware of the fact that pull up circuit should in terms of complemented input and pull down are the opposite. Therefore, for the pull up for example, if an input was not complemented, we complemented and if it was complemented we left as it is. Finally, the output prefix was a single string so we had to divide the string into an array of strings so that we could deal with every element in the array on its own.