Balanced Brackets
Time-The time complexity is DCNI where n is the
length of the String S, because we have a Broop
Which iterates through the String.
Space-The space complexity is DCNI where n is the number of chandles
in the string, the stack will cause space to be DCNI if multiple brookets
needed to be added into the stack.

Decale String

Time-OCNI where n is the length of the input string, because we iterate
through the input string in order to decale it.

Space-OCNI because both the stack size and current String depend on
What the string we get for the input is, we might have to use more memory

Infix to Postfix:

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Time-O(N) where n is the length of the string because he iterate through each character of the string exactly and for the main for-loop:

Space-O(N) because I use a stock to store the operators, and in the worst case, the Stock can store up to all n

Maracters in the stack,