

Reverse Stack Using Recursion

You are given a stack **St**. You have to reverse the stack using recursion.

Example 1:

Input:

`St = {3, 2, 1, 7, 6}`

Output:

`{6, 7, 1, 2, 3}`

Example 2:

Input:

`St = {4, 3, 9, 6}`

Output:

`{6, 9, 3, 4}`

Your Task:

You don't need to read input or print anything. Your task is to complete the function **Reverse()** which takes the stack **St** as input and returns the reversed stack.

Expected Time Complexity: $O(N)$

Expected Auxiliary Space: $O(N)$

Constraints:

$1 \leq \text{size of the stack} \leq 10^4$

$-10^9 \leq \text{Each element of the stack} \leq 10^9$

Sum of N over all test cases doesn't exceeds 10^6

Array may contain duplicate elements.