



Introduction to Basic Data Structures

Module 11: Practice Problems

(Practice Questions)

Topics:

1. Stack

Practice Problem 1

Question: Take two stacks of size N and M as input and check if both of them are the same or not. Don't use STL stack to solve this problem.

Sample Input	Sample Output
5 10 20 30 40 50 5 10 20 30 40 50	YES
5 10 20 30 40 50 4 10 20 30 40	NO
5 10 20 30 40 50 5 50 40 30 20 10	NO

Practice Problem 2

Question: Take a stack of size N and a queue of size M as input. Then check if both of them are the same or not in the order of removing. You should use STL to solve this problem.

Sample Input	Sample Output
5 10 20 30 40 50 5 10 20 30 40 50	NO
5 10 20 30 40 50 4 10 20 30 40	NO
5 10 20 30 40 50 5 50 40 30 20 10	YES

Practice Problem 3

Question: Take a stack of size N as input and copy those elements to another stack to get the values in the order they were inserted and print them. You should use STL to solve this problem.

Sample Input	Sample Output
5 10 20 30 40 50	10 20 30 40 50