Online 3 (Arrays)
Section C1

Marks: 20

Time: 50 minutes

Problem 1 (Marks: 10)

Write a program that will take an array a of n elements and two integers i,j as an input where i,j denote two indices of the array and then exchange $a[0..i-1]$ with $a[j+1...\ n-1]$.

The first element of the input contains the value of n. The next n integers form the array a. The next two elements are the value of i and j.

Sample Input(s)	Corresponding Output(s)
8 3 1 5 6 7 2 0 10 3 4	2 0 10 6 7 3 1 5
7 4 1 6 8 3 6 2 1 3	3 6 2 1 6 8 4

Problem 2 (Marks: 10)

You will be given two arrays of size n as input. Each element x of the array will be between 0 to 1000. You will have to determine whether the arrays are permutations of each other. **You cannot use nested loop or function.**

The first element of the input contains the value of n. The next $2n$ integers form the two arrays. Print Yes if the arrays are permutations of each others and no otherwise.

Sample Input(s)	Corresponding Output(s)
7 4 5 20 5 6 1 9 9 5 5 1 20 6 4	Yes
7 4 5 20 5 6 1 9 9 5 5 1 20 5 4	No