

Pair Swaps

ZPRAC-16-17-Lab11

PAIR SWAPS [30 points]

ANNOUNCEMENT:

Up to 20% marks will be allotted for good programming practice. These include

- Comments for non trivial code
 - Indentation: align your code properly
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Given an array A of N integers and M swap operations, you must print the final state of the array.

A swap operation must be implemented using a void function which takes as argument 2 integer pointers and swaps the corresponding integers. The template for this function is given and must not be changed.

Given a pair of indices (i,j) of the array A, you must pass the corresponding pointers to the void function which will swap A[i] and A[j].

Input Format:

First line contains N and M, where N is the size of integer array A and M is the number of triplet sort operations.

Second line contains N integers of the array A.

Each of the next M lines contain two integers corresponding to a swap.

Constraints:

$1 < N < 10000$

$1 < M < 100$

Output Format:

You must print N comma separated integers corresponding to the final array A after all M triplet sort operations.

Example:

Given Input:

5 2

9 5 6 0 3

0 1

3 4

Expected Output:

5 9 6 3 0