Flipper

ZPRAC-16-17-Lab11

FLIPPER [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

Given an integer array A containing only zeros and ones, and M bit flip operations, you must print the final state of the array.

A bit flip operation takes a pointer to an array element and flips the value of the bit. This operation must be implemented using a void function, whose template is given. Do not modify the arguments of the template, you are supposed to fill in the code for the function body only.

Given an index i, you flip the bit at A[i] by passing the pointer of this array element to the void function.

Input Format:
First line contains N and M, where N is the size of integer array A and M is the number of bit flip operations.
Second line contains N integers of the array A.
Each of the next M lines contain an index i corresponding to the element of array A which should be flipped.

Constraints:
1 < N < 10000
1 < M < 100

Output Format:
You must print the N bits of final array A without any spaces.

Example:

Given Input:
4 3

1 0 1 1
3
1
2

Expected Output:
1 1 0 0