

## Question 02

You are given two sorted arrays `arr1` and `arr2` of lengths `m` and `n` respectively, and an integer `x`. Your task is to find the pair of elements (`arr1[i]`, `arr2[j]`) such that the absolute difference between their sum and `x` is minimum.

Write a function or program to solve this problem efficiently.

### Input:

The input consists of four parts:

The first line contains two integers `m` and `n` ( $1 \leq m, n \leq 10^5$ ), representing the lengths of arrays `arr1` and `arr2` respectively.

The second line contains `m` space-separated integers, representing the elements of the sorted array `arr1`.

The third line contains `n` space-separated integers, representing the elements of the sorted array `arr2`.

The fourth line contains an integer `x` ( $-10^9 \leq x \leq 10^9$ ), denoting the target sum.

### Output:

Output two integers `i` and `j`, representing the indices of the pair (`arr1[i]`, `arr2[j]`) such that the absolute difference between their sum and `x` is minimum. If there are multiple pairs with the same minimum absolute difference, output the pair with the smallest value of `i` and `j`.

### Example:

<b>Sample Input:</b> 4 5 1 3 5 7 2 4 6 8 10 9 <b>Output:</b> 3 1	<b>Sample Input:</b> 4 4 1 4 5 7 10 20 30 40 50 <b>Output:</b> 7 40
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### Explanation:

In the given example, the arrays `arr1` and `arr2` are `[1, 3, 5, 7]` and `[2, 4, 6, 8, 10]` respectively. The target sum `x` is 9. The pair (`arr1[3]`, `arr2[1]`) = (7, 4) has the sum `7 + 4 = 11`, which is closest to `x = 9` among all pairs.

### Note:

Both arrays `arr1` and `arr2` are sorted in ascending order.

The absolute difference between the sum of elements of any pair (`arr1[i]`, `arr2[j]`) and `x` should be minimized.