Qn Link : <https://leetcode.com/contest/biweekly-contest-103/problems/find-the-prefix-common-array-of-two-arrays/>

Step 1 : create a hashmap and an count

Step 2 : Check whether the current index element is same .IF it is so then increase the cnt

Step 3 : Else check whther it is already present or not , then increase the cnt

Step 4 : store the cnt in the ans array and put the value in the map.

class Solution {

    public int[] findThePrefixCommonArray(int[] a, int[] b) {

        int n = a.length;

        int [] ans = new int[n];

        int cnt = 0;

        Map<Integer , Integer> map = new HashMap<>();

        for(int i = 0 ; i < n ; i++){

            if(a[i] == b[i]) cnt++;

            else{

                if(map.containsKey(a[i])) cnt++;

                if(map.containsKey(b[i])) cnt++;

            }

            map.put(a[i] , map.getOrDefault(a[i] , 0) + 1);

            map.put(b[i] , map.getOrDefault(b[i] , 0) + 1);

            ans[i] = cnt;

        }

        return ans;

    }

}