PROBLEM

Find missing in second array

Medium Accuracy: 35.22% Submissions: 67K+ Points: 4

Given two arrays **a** of size **n** and **b** of size **m**, the task is to find numbers which are present in the first array, but not present in the second array.

Example 1:

Input:
n = 6, m = 5
a[] = {1, 2, 3, 4, 5, 10}
b[] = {2, 3, 1, 0, 5}
Output:
4 10
Explanation:
4 and 10 are present in first array, but not in second array.

Example 2:

Input:
n = 5, m = 5
a[] = {4, 3, 5, 9, 11}
b[] = {4, 9, 3, 11, 10}
Output:
5
Explanation:
Second array does not contain element 5.

Your Task:
This is a function problem. You don't need to take any input, as it is already accomplished by the driver code. You just need to complete the function **findMissing()** that takes array **a,** array **b,** integer **n,** and integer **m** as parameters and returns an array that contains the missing elements and the order of the elements should be the same as they are in array a.

Expected Time Complexity: O(n+m).
Expected Auxiliary Space: O(m).

Constraints:
$1 \leq n, m \leq 10^5$
$-10^9 \leq A[i], B[i] \leq 10^9$

CODE

```
#User function Template for python3



class Solution:
    def findMissing(self,a,b,n,m):
        # Create a set from array b for quick lookup
        b_set = set(b)

        # Initialize an empty list to store missing elements
        missing = []

        # Iterate through array a
        for num in a:
            # If the current element in a is not in b_set, add it to missing list
            if num not in b_set:
                missing.append(num)

        # Return the list of missing elements
        return missing
    # code here
```