# 350. Intersection of Two Arrays II

## SOLUTION IN JAVA

class Solution {

public int[] intersect(int[] nums1, int[] nums2) {

if (nums1.length > nums2.length)

return intersect(nums2, nums1);

List<Integer> ans = new ArrayList<>();

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

for (final int num : nums1)

count.put(num, count.getOrDefault(num, 0) + 1);

for (final int num : nums2)

if (count.containsKey(num) && count.get(num) > 0) {

ans.add(num);

count.put(num, count.get(num) - 1);

}

return ans.stream().mapToInt(Integer::intValue).toArray();

}

}