[™] LeetCoding Challenge + GIVEAWAY! [™] × **Contest Discuss Contest Di** Solution □ Discuss (441) □ Submissions $i \in \{\}$ Description i Java

◆ Autocomplete 1 v class Solution {
2 v public List<Integer> arraysIntersection(int[] arr1, int[] arr2, int[] arr3) {
 List<Integer> ans = new ArrayList <>();
 // prepare three pointers to iterate through three arrays
 // p1, p2, and p3 point to the beginning of arr1, arr2, and arr3 accordingly
 int p1 = 0, p2 = 0, p3 = 0; 1213. Intersection of Three Sorted Arrays while (p1 < arr1.length && p2 < arr2.length && p3 < arr3.length) { if (arr1[p1] == arr2[p2] && arr2[p2] == arr3[p3]) {
 ans.add(arr1[p1]); 10 ▼ p1++; p2++; p3++; 15 ▼ } else { if (arr1[p1] < arr2[p2]) { 16 ▼ p1++; } else if (arr2[p2] < arr3[p3]) { 18 ▼ p2++;
} else {
 p3++; 24 25 26 27 28 } return ans;

```
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Given three integer arrays arr1, arr2 and arr3 sorted in strictly increasing order, return a sorted
array of only the integers that appeared in all three arrays.
Example 1:
 Input: arr1 = [1,2,3,4,5], arr2 = [1,2,5,7,9], arr3 = [1,3,4,5,8]
 Output: [1,5]
 Explanation: Only 1 and 5 appeared in the three arrays.
Example 2:
 Input: arr1 = [197,418,523,876,1356], arr2 = [501,880,1593,1710,1870], arr3 =
 [521,682,1337,1395,1764]
  Output: []
Constraints:
  • 1 <= arr1.length, arr2.length, arr3.length <= 1000
  • 1 <= arr1[i], arr2[i], arr3[i] <= 2000
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Intersection of Two Arrays
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Hide Hint 1
Count the frequency of all elements in the three arrays.
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Hide Hint 2

The elements that appeared in all the arrays would have a frequency of 3.