

Find the Distinct Difference Array (/contest/weekly-contest-344/problems/find-the-distinct-difference-array/)

Submission Detail

4512 / 4512 test cases passed.

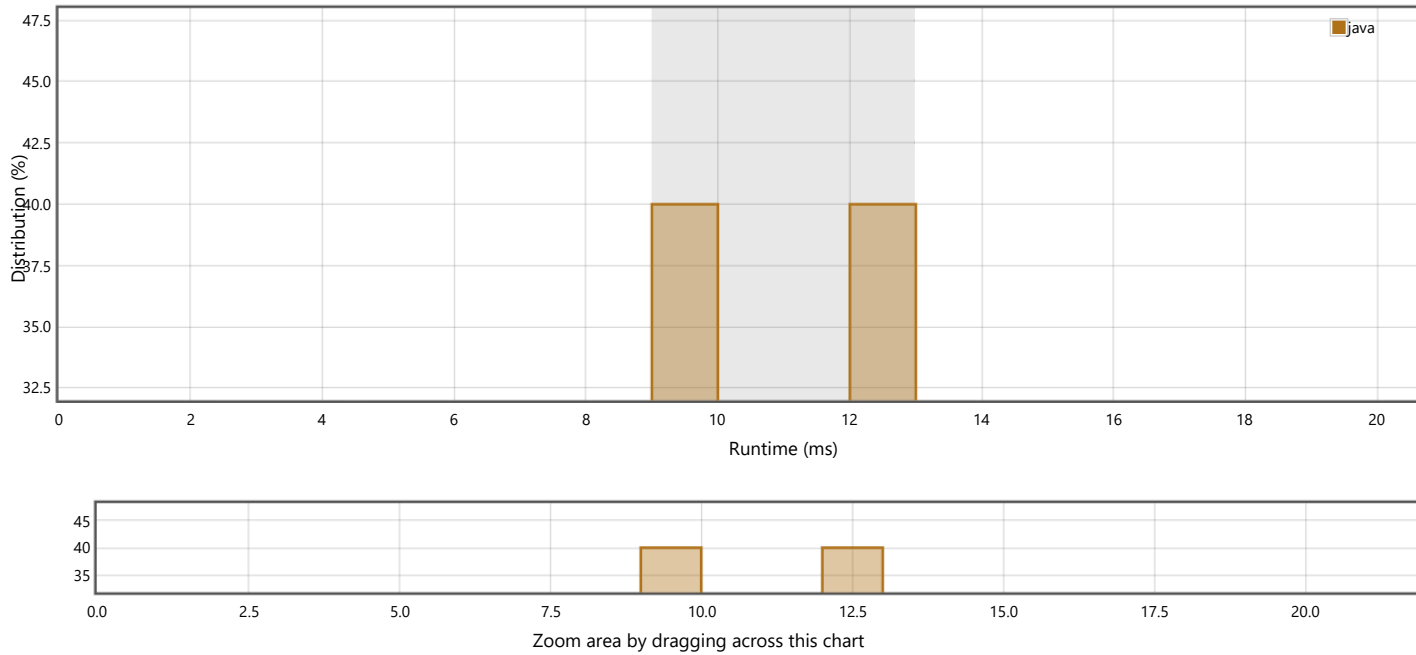
Runtime: 11 ms

Memory Usage: 43.3 MB

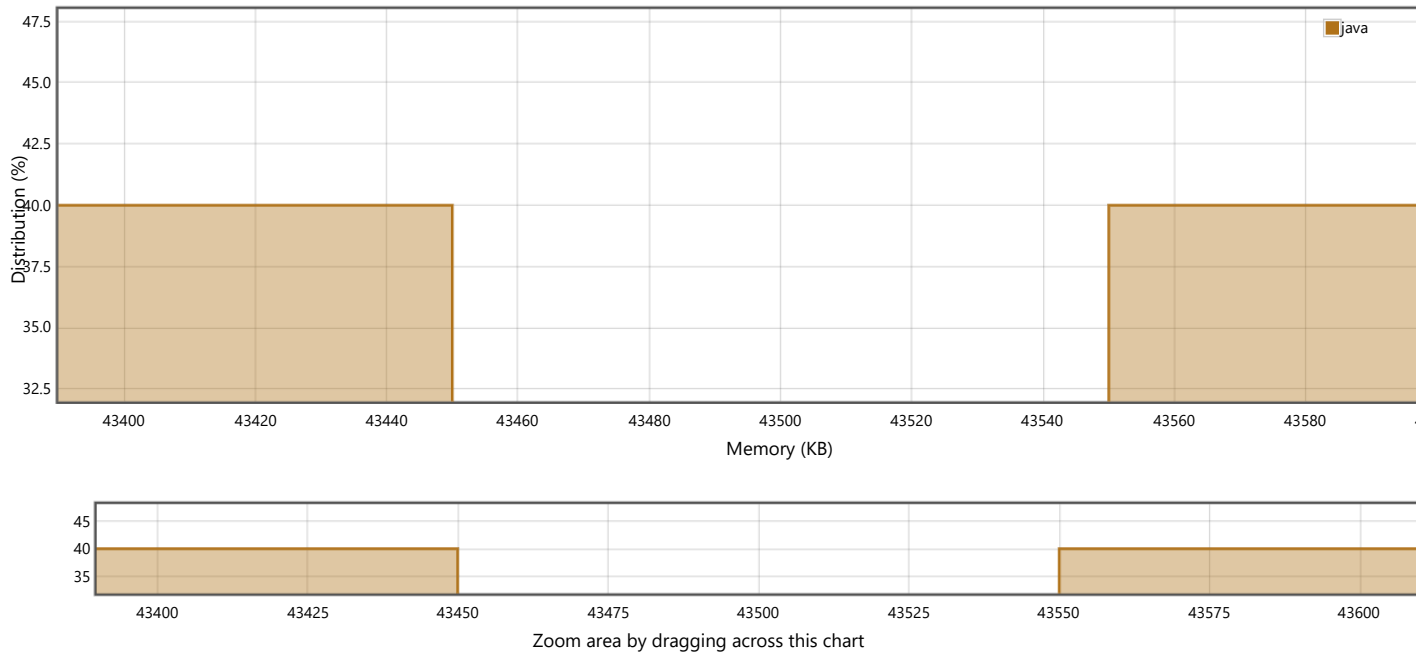
Status: Accepted

Submitted: 1 day ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge Find the Distinct Difference Array

Submitted Code: 1 day ago

Language: java

Edit Code


```
1 class Solution {
```

```
2 public int[] distinctDifferenceArray(int[] nums) {
3     int n = nums.length;
4     Set<Integer> distinctElementsInPrefix = new HashSet<>();
5     Set<Integer> distinctElementsInSuffix = new HashSet<>();
6     int[] prefixDistinctCount = new int[n];
7     int[] suffixDistinctCount = new int[n];
8     int[] distinctDifference = new int[n];
9
10    for (int i = 0; i < n; i++) {
11        distinctElementsInPrefix.add(nums[i]);
12        prefixDistinctCount[i] = distinctElementsInPrefix.size();
13
14        distinctElementsInSuffix.clear();
15        for (int j = i + 1; j < n; j++) {
16            distinctElementsInSuffix.add(nums[j]);
17        }
18        suffixDistinctCount[i] = distinctElementsInSuffix.size();
19
20        distinctDifference[i] = prefixDistinctCount[i] - suffixDistinctCount[i];
21    }
22
23    return distinctDifference;
24 }
25 }
```

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