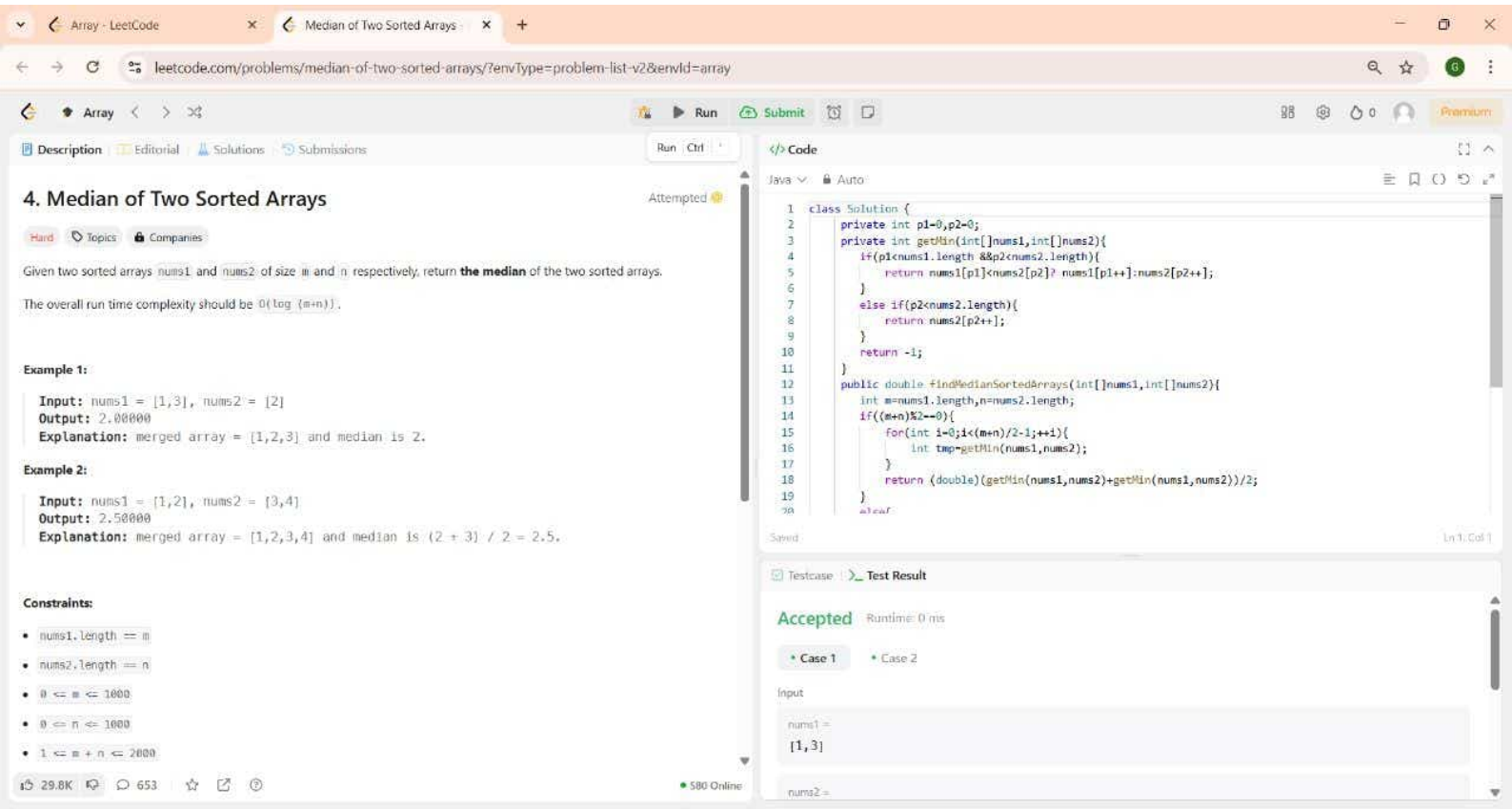
Array - LeetCode
Median of Two Sorted Arrays
leetcode.com/problems/median-of-two-sorted-arrays/?envType=problem-list-v2&envId=array
Array
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4. Median of Two Sorted Arrays
Attempted
Hard
Topics
Companies
Given two sorted arrays nums1 and nums2 of size m and n respectively, return the median of the two sorted arrays.
The overall run time complexity should be O(log (m+n)).
Example 1:
Input: nums1 = [1,3], nums2 = [2]
Output: 2.00000
Explanation: merged array = [1,2,3] and median is 2.
Example 2:
Input: nums1 = [1,2], nums2 = [3,4]
Output: 2.50000
Explanation: merged array = [1,2,3,4] and median is (2 + 3) / 2 = 2.5.
Constraints:
nums1.length == m
nums2.length == n
0 <= m <= 1000
0 <= n <= 1000
1 <= m + n <= 2000
29.8K
653
580 Online
Code
Java
Auto
class Solution {
private int p1=0,p2=0;
private int getMin(int[]nums1,int[]nums2){
if(p1<nums1.length &&p2<nums2.length){
return nums1[p1]<nums2[p2]? nums1[p1++]:nums2[p2++];
}
else if(p2<nums2.length){
return nums2[p2++];
}
return -1;
}
public double findMedianSortedArrays(int[]nums1,int[]nums2){
int m=nums1.length,n=nums2.length;
if((m+n)%2==0){
for(int i=0;i<(m+n)/2-1;++i){
int tmp=getMin(nums1,nums2);
}
return (double)(getMin(nums1,nums2)+getMin(nums1,nums2))/2;
}
Saved
Ln 1, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Input
nums1 =
[1,3]
nums2 =