

5665. Restore the Array From Adjacent Pairs

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There is an integer array `nums` that consists of `n` **unique** elements, but you have forgotten it. However, you do remember every pair of adjacent elements in `nums`.

You are given a 2D integer array `adjacentPairs` of size `n - 1` where each `adjacentPairs[i] = [ui, vi]` indicates that the elements `ui` and `vi` are adjacent in `nums`.

It is guaranteed that every adjacent pair of elements `nums[i]` and `nums[i+1]` will exist in `adjacentPairs`, either as `[nums[i], nums[i+1]]` or `[nums[i+1], nums[i]]`. The pairs can appear in **any order**.

Return the original array `nums`. If there are multiple solutions, return **any of them**.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

**Input:** `adjacentPairs = [[2,1],[3,4],[3,2]]`  
**Output:** `[1,2,3,4]`  
**Explanation:** This array has all its adjacent pairs in `adjacentPairs`. Notice that `adjacentPairs[i]` may not be in left-to-right order.

Example 2:

**Input:** `adjacentPairs = [[4,-2],[1,4],[-3,1]]`  
**Output:** `[-2,4,1,-3]`  
**Explanation:** There can be negative numbers. Another solution is `[-3,1,4,-2]`, which would also be accepted.

Example 3:

**Input:** `adjacentPairs = [[100000,-100000]]`  
**Output:** `[100000,-100000]`

Constraints:

- `nums.length == n`
- `adjacentPairs.length == n - 1`
- `adjacentPairs[i].length == 2`
- `2 <= n <= 105`
- `-105 <= nums[i], ui, vi <= 105`
- There exists some `nums` that has `adjacentPairs` as its pairs.

JavaScript

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```
1 /**
2  * @param {number[][]} adjacentPairs
3  * @return {number[]}
4  */
5 var restoreArray = function(adjacentPairs) {
6
7  };
```