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1228. Missing Number In Arithmetic Progression

Easy
69
6
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In some array `arr`, the values were in arithmetic progression: the values `arr[i+1] - arr[i]` are all equal for every $0 \leq i < arr.length - 1$.

Then, a value from `arr` was removed that **was not the first or last value in the array**.

Return the removed value.

Example 1:

Input: `arr = [5,7,11,13]`
 Output: 9
 Explanation: The previous array was [5,7,9,11,13].

Example 2:

Input: `arr = [15,13,12]`
 Output: 14
 Explanation: The previous array was [15,14,13,12].

Constraints:

- $3 \leq arr.length \leq 1000$
- $0 \leq arr[i] \leq 10^5$

Accepted 6,103 | Submissions 11,448

Seen this question in a real interview before?

Yes

No

Python

Autocomplete

```

1 class Solution(object):
2     def missingNumber(self, arr):
3         """
4         :type arr: List[int]
5         :rtype: int
6         """
7
    
```