In some array arr, the values were in arithmetic progression: the values arr[i+1] - arr[i] are all equal for every 0 <= 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 <= arr.length <= 1000
* 0 <= arr[i] <= 10^5