1502. Can Make Arithmetic Progression From Sequence

Given an array of numbers `arr`. A sequence of numbers is called an arithmetic progression if the difference between any two consecutive elements is the same.

Return `true` if the array can be rearranged to form an arithmetic progression, otherwise, return `false`.

Example 1:

Input: arr = [3,5,1]
Output: true
Explanation: We can reorder the elements as [1,3,5] or [5,3,1] with differences 2 and -2 respectively, between each consecutive elements.

Example 2:

Input: arr = [1,2,4]
Output: false
Explanation: There is no way to reorder the elements to obtain an arithmetic progression.

Constraints:

- `2 <= arr.length <= 1000`
- `-10^6 <= arr[i] <= 10^6```Python
  def canMakeArithmeticProgression(self, arr: List[int]) -> bool:
  arr.sort()
  for i in range(1,len(arr)-1):
  if arr[i]-arr[i-1]!=arr[i+1]-arr[i]:
  return False
  return True