

954. Array of Doubled Pairs

Description

Given an integer array of even length `arr`, return `true` *if it is possible to reorder* `arr` *such that* `arr[2 * i + 1] = 2 * arr[2 * i]` *for every* `0 <= i < len(arr) / 2`, *or* `false` *otherwise*.

Example 1:

Input: `arr = [3,1,3,6]`

Output: `false`

Example 2:

Input: `arr = [2,1,2,6]`

Output: `false`

Example 3:

Input: `arr = [4,-2,2,-4]`

Output: `true`

Explanation: We can take two groups, `[-2,-4]` and `[2,4]` to form `[-2,-4,2,4]` or `[2,4,-2,-4]`.

Constraints:

- `2 <= arr.length <= 3 * 104`
- `arr.length` is even.
- `-105 <= arr[i] <= 105`

