Given an array of integers A with even length, return true if and only if it is possible to reorder it such that A[2 \* i + 1] = 2 \* A[2 \* i] for every 0 <= i < len(A) / 2.

**Example 1:**

**Input:** [3,1,3,6]

**Output:** false

**Example 2:**

**Input:** [2,1,2,6]

**Output:** false

**Example 3:**

**Input:** [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].

**Example 4:**

**Input:** [1,2,4,16,8,4]

**Output:** false

**Note:**

1. 0 <= A.length <= 30000
2. A.length is even
3. -100000 <= A[i] <= 100000