2007. Find Original Array From Doubled Array

Description

An integer array `original` is transformed into a **doubled** array `changed` by appending **twice the value** of every element in `original`, and then randomly **shuffling** the resulting array.

Given an array `changed`, return `original` *if* `changed` *is a* ***doubled*** *array. If* `changed` *is not a* ***doubled*** *array, return an empty array. The elements in* `original` *may be returned in* ***any*** *order*.

Example 1:

```
Input: changed = [1,3,4,2,6,8]
Output: [1,3,4]
Explanation: One possible original array could be [1,3,4]:
- Twice the value of 1 is 1 * 2 = 2.
- Twice the value of 3 is 3 * 2 = 6.
- Twice the value of 4 is 4 * 2 = 8.
Other original arrays could be [4,3,1] or [3,1,4].
```

Example 2:

```
Input: changed = [6,3,0,1]
Output: []
Explanation: changed is not a doubled array.
```

Example 3:

```
Input: changed = [1]
Output: []
Explanation: changed is not a doubled array.
```

Constraints:

- `1 <= changed.length <= 10^5`
- `0 <= changed[i] <= 10^5`