Problem 1346: Check If N and Its Double Exist

Problem Information

Difficulty: Easy
Acceptance Rate: 41.48%
Paid Only: No
Tags: Array, Hash Table, Two Pointers, Binary Search, Sorting

Problem Description

Given an array `arr` of integers, check if there exist two indices `i` and `j` such that :

* `i != j` * `0 <= i, j < arr.length` * `arr[i] == 2 * arr[j]`

Example 1:

Input: arr = [10,2,5,3] **Output:** true **Explanation:** For i = 0 and j = 2, arr[i] == 10 == 2 * 5 == 2 * arr[j]

Example 2:

Input: arr = [3,1,7,11] **Output:** false **Explanation:** There is no i and j that satisfy the conditions.

Constraints:

* `2 <= arr.length <= 500` * `-103 <= arr[i] <= 103`

Code Snippets

C++:

```
class Solution {
public:
bool checkIfExist(vector<int>& arr) {
```

```
}
};
```

Java:

```
class Solution {
public boolean checkIfExist(int[] arr) {

}
}
```

Python3:

```
class Solution:
def checkIfExist(self, arr: List[int]) -> bool:
```