1346. Check If N and Its Double Exist

Easy 445 67 Add to List Share

Given an array `arr` of integers, check if there exists two integers `N` and `M` such that `N` is the double of `M` (i.e. `N = 2 * M`).

More formally check if there exists 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: N = 10 is the double of M = 5,that is, 10 = 2 * 5.
```

Example 2:

```
Input: arr = [7,1,14,11]
Output: true
Explanation: N = 14 is the double of M = 7,that is, 14 = 2 * 7.
```

Example 3:

```
Input: arr = [3,1,7,11]
Output: false
Explanation: In this case does not exist N and M, such that N = 2
* M.
```

Constraints:

- `2 <= arr.length <= 500`

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

        for i in range(0, len(arr)) :
            for j in range(0, len(arr)) :
                if i!=j and arr[i]==2*arr[j] :
                    return True

        return False
```

Testcase Run Code Result Debugger

Accepted Runtime: 62 ms

Your input [10,2,5,3]

Output true Diff

Expected true

Console Use Example Testcases