

Problem 869: Reordered Power of 2

Problem Information

Difficulty: Medium

Acceptance Rate: 66.09%

Paid Only: No

Tags: Hash Table, Math, Sorting, Counting, Enumeration

Problem Description

You are given an integer `n`. We reorder the digits in any order (including the original order) such that the leading digit is not zero.

Return `true` if and only if we can do this so that the resulting number is a power of two.

Example 1:

Input: `n = 1` **Output:** `true`

Example 2:

Input: `n = 10` **Output:** `false`

Constraints:

`1 ≤ n ≤ 109`

Code Snippets

C++:

```
class Solution {
public:
    bool reorderedPowerOf2(int n) {
```

```
}  
};
```

Java:

```
class Solution {  
    public boolean reorderedPowerOf2(int n) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def reorderedPowerOf2(self, n: int) -> bool:
```