

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 <= 10^9`

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:
```