

Problem 1271: Hексpeak

Problem Information

Difficulty: Easy

Acceptance Rate: 58.36%

Paid Only: Yes

Tags: Math, String

Problem Description

A decimal number can be converted to its **Hексpeak representation** by first converting it to an uppercase hexadecimal string, then replacing all occurrences of the digit '0' with the letter 'O', and the digit '1' with the letter 'I'. Such a representation is valid if and only if it consists only of the letters in the set `{'A', 'B', 'C', 'D', 'E', 'F', 'I', 'O'}`.

Given a string `num` representing a decimal integer `n`, _return the**Hексpeak representation** of `n` _if it is valid, otherwise return_ `"ERROR"`.

Example 1:

Input: num = "257" **Output:** "IOI" **Explanation:** 257 is 101 in hexadecimal.

Example 2:

Input: num = "3" **Output:** "ERROR"

Constraints:

* `1 <= num.length <= 12` * `num` does not contain leading zeros. * num represents an integer in the range `[1, 1012]`.

Code Snippets

C++:

```
class Solution {  
public:  
    string toHексpeak(string num) {  
  
    }  
};
```

Java:

```
class Solution {  
public String toHексpeak(String num) {  
  
}  
}
```

Python3:

```
class Solution:  
    def toHексpeak(self, num: str) -> str:
```