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1271. Hexspeak

Easy 👍 28 👎 45 ♡ Add to List ⬆ Share

A decimal number can be converted to its *Hexspeak 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 Hexspeak 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 <= N <= 10^12`
- There are no leading zeros in the given string.
- All answers must be in uppercase letters.

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```python
class Solution(object):
    def toHexspeak(self, num):
        """
        :type num: str
        :rtype: str
        """
```