1271. Hexspeak Premium

Easy Topics Companies Hint

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 <= num.length <= 12`
- `num` does not contain leading zeros.
- num represents an integer in the range `[1, 10^12]`.

Seen this question in a real interview before? 1/5

Yes No

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Topics

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Hint 1

Convert the given number to hexadecimal.

Hint 2

Replace all 0 and 1 with 'O' and 'I'.

Hint 3

Check if the final string has any numerical digits.

Discussion (4)