Problem 3340: Check Balanced String

Problem Information

Difficulty: Easy
Acceptance Rate: 81.88%
Paid Only: No
Tags: String

Problem Description

You are given a string `num` consisting of only digits. A string of digits is called **balanced** if the sum of the digits at even indices is equal to the sum of digits at odd indices.

Return `true` if `num` is **balanced** , otherwise return `false`.

Example 1:

Input: num = "1234"

Output: false

Explanation:

* The sum of digits at even indices is `1 + 3 == 4`, and the sum of digits at odd indices is `2 + 4 == 6`. * Since 4 is not equal to 6, `num` is not balanced.

Example 2:

Input: num = "24123"

Output: true

Explanation:

* The sum of digits at even indices is `2 + 1 + 3 == 6`, and the sum of digits at odd indices is `4 + 2 == 6`. * Since both are equal the `num` is balanced.

Constraints:

* `2 <= num.length <= 100` * `num` consists of digits only

Code Snippets

C++:

```cpp
class Solution {
public:
bool isBalanced(string num) {

}
};
```

Java:

```java
class Solution {
public boolean isBalanced(String num) {

}
}
```

Python3:

```python
class Solution:
def isBalanced(self, num: str) -> bool:
```