Problem 1134: Armstrong Number

Problem Information

Difficulty: Easy
Acceptance Rate: 77.89%
Paid Only: Yes
Tags: Math

Problem Description

Given an integer `n`, return `true` _if and only if it is an**Armstrong number**_.

The `k`-digit number `n` is an Armstrong number if and only if the `kth` power of each digit sums to `n`.

Example 1:

Input: n = 153 **Output:** true **Explanation:** 153 is a 3-digit number, and 153 = 13 + 53 + 33.

Example 2:

Input: n = 123 **Output:** false **Explanation:** 123 is a 3-digit number, and 123 != 13 + 23 + 33 = 36.

Constraints:

* `1 <= n <= 108`

Code Snippets

C++:

```
class Solution {
public:
```

```
bool isArmstrong(int n) {

}
};
```

Java:

```
class Solution {
public boolean isArmstrong(int n) {

}
}
```

Python3:

```
class Solution:
def isArmstrong(self, n: int) -> bool:
```