Problem statement Send feedback

You are given an integer ***'n'***.

Return ***'true'*** if 'n' is an Armstrong number, and ***'false'*** otherwise.

Note:

An Armstrong number is a number (with 'k' digits) such that the sum of its digits raised to 'kth' power is equal to the number itself. For example, 371 is an Armstrong number because 3^3 + 7^3 + 1^3 = 371.

Example:

```
Input: 'n' = 1634

Output: true

Explanation:
1634 is an Armstrong number, as 1^4 + 6^4 + 3^4 + 4^4 = 1634
```

Detailed explanation (Input/output format, Notes, Images)

Sample Input 1 :

```
1
```

Sample Output 1 :

```
true
```

Explanation of Sample Input 1 :

```
1 is an Armstrong number as, 1^1 = 1.
```

Sample Input 2 :

```
103
```

Sample Output 2 :

```
false
```

Expected Time Complexity:

```
Try to solve this in O(log(n)).
```

Constraints:

```
1 <= ‘n’ <= 10^9

Time Limit: 1 sec
```