Armstrong Number Check!!

HackerRank

Problem Statement

Ravi recently came across a special type of number called an Armstrong number (also known as a narcissistic number). An n-digit number is said to be an Armstrong number if the sum of its digits raised to the power n is equal to the original number.

For example:

- $153 = 1^3 + 5^3 + 3^3 \rightarrow$ Armstrong number
- $9474 = 9^4 + 4^4 + 7^4 + 4^4 \rightarrow$ Armstrong number
- $123 \neq 1^3 + 2^3 + 3^3 \rightarrow$ Not Armstrong

Your task is to write a program that checks whether the given number N is an Armstrong number or not.

Input Format

- A single integer N, representing the number to be checked.

Output Format

- Print "Armstrong" if the number is an Armstrong number.
- Print "Not Armstrong" if the number is not an Armstrong number.

Sample Input 0

```
153
```

Sample Output 0

```
Armstrong
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