Problem Statement

Java

Given the number N. Write a Java program to find if the given number is an Armstrong number or not.

Armstrong Number :

If the sum of cubes of each digit of the number is equal to the number itself, then the number is called an Armstrong number.

For example, 153 = (1 * 1 * 1) + (5 * 5 * 5) + (3 * 3 * 3)

Constraints :

$1 <= N <= 10^6$

Input Format :

First line of the input contains N.

Output Format :

true if Armstrong number, false otherwise.

Sample Input :   371

Sample Output :   true