

<https://course.acciojob.com/idle?question=294cdb78-453e-40a3-9b35-2f4e94868090>

● EASY

● Max Score: 30 Points

Armstrong Number Finder

Given a number N , you need to check whether it is Armstrong number or not.

A number is called an Armstrong number if the sum of the digits raised to the power equal to the number of digits is equal to the number itself

Input Format

Input contains a single integer N .

Output Format

You need to return 1 if the given number N is an Armstrong number, otherwise 0.

Example 1

Input

1

Output

1

Explanation

$1 * 1 * 1 = 1$

Example 2

Input

150

Output

0

Explanation

$1 * 1 * 1 + 5 * 5 * 5 + 0 * 0 * 0 = 126$, which is not equal to 150.

Constraints

$1 \leq N \leq 10^6$

Topic Tags

- **Math**

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);  
        int n=s.nextInt();
```

```
int sum=0,m=n;
while(n>0)
{
    int r=n%10;
    r=r*r*r;
    n=n/10;
    sum=sum+r;
}
if(m==sum)
System.out.print("1");
else System.out.print("0");
}
```