Narcissistic Numbers

Problem Statement

In recreational number theory, a narcissistic number is a number that is the sum of its own digits each raised to the power of the number of digits. The formal definition is as follows:

Let n=d(k), d(k-1), .., d(1) where k is the number of digits in n and d(k) is a function that maps to the k-th digit of n. Then

```
n = d(k)^k + d(k-1)^k + ... + d(1)^k
```

For the number 153, k equals 3 since the length of 153 is 3. d(3)=1, d(2)=5 and d(1)=3. So for 153:

```
n = 1^3 + 5^3 + 3^3
```

Write a program that determines if a number is a narcissistic number.

More examples include:

```
6 = 6^1
153=1^3+5^3+3^3
370=3^3+7^3+0^3
371=3^3+7^3+1^3
407=4^3+0^3+7^3
1634 = 1^4 + 6^4 + 3^4 + 4^4
```

Constraints They are all integers.

Input Format

You will be given a list of numbers.

Output Format

You need to write output True of False on its own line.

Sample Input

```
1
374
1634
8208
94974
```

Sample Output

```
True
False
True
True
False
```