

My Maya

Owl Code



Apt Logic

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Points: 20

Submissions: 2379



Description

Disarium number

Program Description

Write a logic to print weather the given number is Disarium number or Not?

Disarium: A number is said to be the Disarium number when the sum of its digit raised to the power of their respective positions becomes equal to the number itself.

Input Format

A single line input contains an integer N.

Output Format

Display **True** if the Number is Disarium Number else display **False** if Not Disarium Number.

Constraints

$1 \leq N \leq 10^4$

Explanation

The Given number is 175 is a Disarium number as follows:

$$1^{**1} + 7^{**2} + 5^{**3} = 1 + 49 + 125 = 175$$

Input-1

175

Output-1

True

Input-2

346

Output-2

Light

C - GCC 11.1.0 ▾

Timer 2:42 sec



```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int n, temp, l = 0, s = 0;
6     scanf("%d", &n);
7     temp = n;
8     int t = n;
9     while (t > 0) {
10         l++;
11         t /= 10;
12     }
13     t = temp;
14     int pos = 1;
15     while (t > 0) {
16         int r = t % 10;
17         s += (int)pow(r, pos);
18         pos--;
19         t /= 10;
20     }
}
```

```

21     if (s == temp)
22         printf("True\n");
23     else
24         printf("False\n");
25
26     return 0;
27 }

```

[!\[\]\(1d3a1175dd4902218e694b9c098adb83_img.jpg\) Run Code](#)

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	175	175	True	True	1408 KB	3.637 ms	Pass
2	346	346	False	False	1408 KB	2.577 ms	Pass

All hidden testcases passed



Contact

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