

My Maya

Owl Code



Apt Logic

Logout



J-Path

Contact

Home / Owl ground / Disarium number

Points: 20

Submissions: 2379



Light

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

C - GCC 11.1.0



Timer

2:42 sec



Light



```
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 }
```

 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

Call: +91 83 43 81 81 81

Email: support@technicalhub.io

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