Disarium Game

A number is said to be Disarium if the sum of its digits raised to their respective positions is the number itself.

75 -> false

$7^1 + 5^2 = 7 + 25 = 32$

135 -> true

$1^1 + 3^2 + 5^3 = 1 + 9 + 125 = 135$

Input Format

Input consists an integer N.

Constraints

1<=N<=1000

Output Format

Output consists 1 or 0 for true or false respectively.

Sample Input 0

```
75
```

Sample Output 0

```
0
```

Explanation 0

75 -> false

$7^1 + 5^2 = 7 + 25 = 32$

Sample Input 1

```
135
```

Sample Output 1

```
1
```

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