LBP45

Create a function that tests whether or not an integer is a perfect number. **A perfect number is a number that can be written as sum of its factors. (equal to sum of its proper divisors) excluding the number itself.**

Input Format

a number from the user

Constraints

n>0

Output Format

true or false

Sample Input 0

```
6
```

Sample Output 0

```
true
```

Sample Input 1

```
28
```

Sample Output 1

```
true
```

Sample Input 2

```
12
```

Sample Output 2

```
false
```

Sample Input 3

```
97
```

Sample Output 3

```
false
```