@LeetCode

We define the Perfect Number is a **positive** integer that is equal to the sum of all its **positive** divisors except itself.

Now, given an **integer** n, write a function that returns true when it is a perfect number and false when it is not.

Example:

```
Input: 28

Output: True

Explanation: 28 = 1 + 2 + 4 + 7 + 14
```

Note: The input number **n** will not exceed 100,000,000. (1e8)