Perfect Numbers X89384_en

An integer n greater than zero is perfect if its equal to the sum of its divisors (except itself). Therefore, 6 is perfect since the sum of its divisors (but itself) is $1 + 2 + 3 = 6$. In contrast, 8 is not perfect since $1 + 2 + 4 = 7$ which is diferent from 8.
Write a function *is_perfect_number*(n) that given the integer number n greater than zero determines if n is perfect or not.

Observation

Until 2016 only 49 perfect numbers were known! Probably the same number that are known nowadays!

Sample session

```
>>> is_perfect_number(6)
True
>>> is_perfect_number(8)
False
>>> is_perfect_number(28)
True
>>> is_perfect_number(496)
True
>>> is_perfect_number(1)
False
```

Problem information

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