
Sum of divisors

P95972_en

Write a function that returns the sum of the divisors of a number @n@.

For instance, the sum of the divisors of 28 is $1 + 2 + 4 + 7 + 14 + 28 = 56$.

Interface

C++,C	<code>int sum_divisors(int x);</code>
Java	<code>public static int sumDivisors(int x);</code>
Python	<code>sum_divisors(x) # returns int</code> <code>sum_divisors(x: int) -> int</code>

Precondition

$1 \leq @n@ \leq 10^8$.

Observation

You only need to submit the required procedure; your main program will be ignored.

Problem information

Author: Salvador Roura

Translator: Salvador Roura

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