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	**int** *sum_divisors* (**int** x);
Java	**public static int** *sumDivisors*(**int** x);
Python	*sum_divisors* (x) # returns int
	sum_divisors (x: *int*) $\rightarrow$ *int*

Precondition

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

Observation

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

Problem information

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