

507. Perfect Number

A perfect number is a positive integer that is equal to the sum of its positive divisors, excluding the number itself. A divisor of an integer x is an integer that can divide x evenly.

Given an integer n , return true if n is a perfect number, otherwise return false.

Example 1:

- **Input:** $\text{num} = 28$
- **Output:** true
- **Explanation:** $28 = 1 + 2 + 4 + 7 + 14$
 - 1, 2, 4, 7, and 14 are all divisors of 28.

Example 2:

- **Input:** $\text{num} = 7$
- **Output:** false

Constraints:

- $1 \leq \text{num} \leq 10^8$