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)