Given an integer n, return *true if it is a power of two. Otherwise, return false*.

An integer n is a power of two, if there exists an integer x such that n == 2x.

**Example 1:**

Input: n = 1  
Output: true  
Explanation: 20 = 1

**Example 2:**

Input: n = 16  
Output: true  
Explanation: 24 = 16

**Example 3:**

Input: n = 3  
Output: false

**Constraints:**

* -231 <= n <= 231 - 1

**Follow up:** Could you solve it without loops/recursion?