342. Power of Four

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

An integer n is a power of four, if there exists an integer x such that n == 4x.

Example 1:

- **Input:** n = 16
- **Output:** true

Example 2:

- **Input:** n = 5
- **Output:** false

Example 3:

- **Input:** n = 1
- **Output:** true

Constraints:

- $-2^{31} <= n <= 2^{31} - 1$

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