

# 342. Power of Four

## Description

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:

- `-231 ≤ n ≤ 231 - 1`

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

