

# 1780. Check if Number is a Sum of Powers of Three

## Description

Given an integer `n`, return `true` *if it is possible to represent `n` as the sum of distinct powers of three*. Otherwise, return `false`.

An integer `y` is a power of three if there exists an integer `x` such that `y == 3x`.

### Example 1:

Input: `n = 12`  
Output: `true`  
Explanation:  $12 = 3^1 + 3^2$

### Example 2:

Input: `n = 91`  
Output: `true`  
Explanation:  $91 = 3^0 + 3^2 + 3^4$

### Example 3:

Input: `n = 21`  
Output: `false`

### Constraints:

- `1 ≤ n ≤ 107`

