You are given an integer n. We reorder the digits in any order (including the original order) such that the leading digit is not zero.

Return true *if and only if we can do this so that the resulting number is a power of two*.

**Example 1:**

Input: n = 1  
Output: true

**Example 2:**

Input: n = 10  
Output: false

**Constraints:**

* 1 <= n <= 109