**403. Frog Jump**

Hard

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A frog is crossing a river. The river is divided into some number of units, and at each unit, there may or may not exist a stone. The frog can jump on a stone, but it must not jump into the water.

Given a list of stones' positions (in units) in sorted **ascending order**, determine if the frog can cross the river by landing on the last stone. Initially, the frog is on the first stone and assumes the first jump must be 1 unit.

If the frog's last jump was k units, its next jump must be either k - 1, k, or k + 1 units. The frog can only jump in the forward direction.

**Example 1:**

**Input:** stones = [0,1,3,5,6,8,12,17]

**Output:** true

**Explanation:** The frog can jump to the last stone by jumping 1 unit to the 2nd stone, then 2 units to the 3rd stone, then 2 units to the 4th stone, then 3 units to the 6th stone, 4 units to the 7th stone, and 5 units to the 8th stone.

**Example 2:**

**Input:** stones = [0,1,2,3,4,8,9,11]

**Output:** false

**Explanation:** There is no way to jump to the last stone as the gap between the 5th and 6th stone is too large.

**Constraints:**

* 2 <= stones.length <= 2000
* 0 <= stones[i] <= 231 - 1
* stones[0] == 0