1130. Last Stone Weight II

Difficulty: Medium

https://leetcode.com/problems/last-stone-weight-ii

You are given an array of integers stones where stones[i] is the weight of the ith stone.

We are playing a game with the stones. On each turn, we choose any two stones and smash them together. Suppose the stones have weights x and y with $x \le y$. The result of this smash is:

- If x == y, both stones are destroyed, and
- If x = y, the stone of weight x is destroyed, and the stone of weight y has new weight y x.

At the end of the game, there is **at most one** stone left.

Return the smallest possible weight of the left stone. If there are no stones left, return 0.

Example 1:

```
Input: stones = [2,7,4,1,8,1]
Output: 1
Explanation:
We can combine 2 and 4 to get 2, so the array converts to [2,7,1,8,1] then,
we can combine 7 and 8 to get 1, so the array converts to [2,1,1,1] then,
we can combine 2 and 1 to get 1, so the array converts to [1,1,1] then,
we can combine 1 and 1 to get 0, so the array converts to [1], then that's the optimal value.
```

Example 2:

```
Input: stones = [31,26,33,21,40]
Output: 5
```

Constraints:

```
1 <= stones.length <= 30</li>1 <= stones[i] <= 100</li>
```