

Easy 3001 60 Add to List Share

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

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

Example 1:

Output: 1

Explanation:

We combine 7 and 8 to get 1 so the array converts to [2,4,1,1,1] then,
we combine 2 and 4 to get 2 so the array converts to [2,1,1,1] then,
we combine 2 and 1 to get 1 so the array converts to [1,1,1] then,
we combine 1 and 1 to get 0 so the array converts to [1] then that's the
value of the last stone.

Input: stones = [1]

Output: 1

- `1 <= stones.length <= 30`
- `1 <= stones[i] <= 1000`

Seen this question in a real interview before?

Yes	No
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Related Topics

Show Hint 1

```
1 class Solution {
2     public int lastStoneWeight(int[] stones) {
3     }
4 }
5 }
```