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Solution

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Java

Autocomplete

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881. Boats to Save People

Medium

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You are given an array `people` where `people[i]` is the weight of the i^{th} person, and an **infinite number of boats** where each boat can carry a maximum weight of `limit`. Each boat carries at most two people at the same time, provided the sum of the weight of those people is at most `limit`.

Return the minimum number of boats to carry every given person.

Example 1:

Input: `people = [1,2], limit = 3`
Output: `1`
Explanation: 1 boat (1, 2)

Example 2:

Input: `people = [3,2,2,1], limit = 3`
Output: `3`
Explanation: 3 boats (1, 2), (2) and (3)

Example 3:

Input: `people = [3,5,3,4], limit = 5`
Output: `4`
Explanation: 4 boats (3), (3), (4), (5)

Constraints:

- $1 \leq \text{people.length} \leq 5 \times 10^4$
- $1 \leq \text{people}[i] \leq \text{limit} \leq 3 \times 10^4$

Accepted 136,020

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Seen this question in a real interview before?

Yes

No

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1

class Solution {

2

public int numRescueBoats(int[] people, int limit) {

3

4

}

5

}

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5

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Console

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https://leetcode.com/problems/boats-to-save-people/

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