



Hello, 2024101067.

Boat Rides

[Submit solution](#)[My submissions](#)[All submissions](#)[Best submissions](#)✓ **Points:** 100 (partial)⌚ **Time limit:** 1.0s📄 **Memory limit:** 256M▼ **Allowed languages**

C

Problem Statement

There are n children who need to be paired up for a boat ride. Each boat can carry at most two children, and the combined weight of the children in any boat cannot exceed x . You are given the weight of each child. What is the minimum number of boats required to accommodate all the children?

Input Format

- Two integers n and x on the first line, representing the number of children and the maximum allowed weight per boat respectively.
- A second line containing n integers: p_1, p_2, \dots, p_n , where p_i is the weight of the i -th child.
- It is guaranteed that all p_i are lesser than or equal to x .

Output Format

- Print one integer: the minimum number of boats required.

Constraints

- $1 \leq n \leq 2 * 10^5$
- $1 \leq x \leq 10^9$
- $1 \leq p_i \leq x$

Example

Input

Hello, **2024101067**.

```
1 1 1 1 1 1 1 1 1 1
```

Output

```
5
```

[Copy](#)

? Clarifications

[Request clarification](#)

No clarifications have been made at this time.