



Boat Rides

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✓ Points: 100 (partial)② Time limit: 1.0s

■ Memory limit: 256M

✓ Allowed languages

Problem Statement

There are \mathbf{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 \mathbf{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: $p_1, p_2, ..., p_n$, where p_i is the weight of the i-th child.
- It is guarenteed that all \mathbf{p}_i are lesser than or equal to \mathbf{x} .

Output Format

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

Constraints

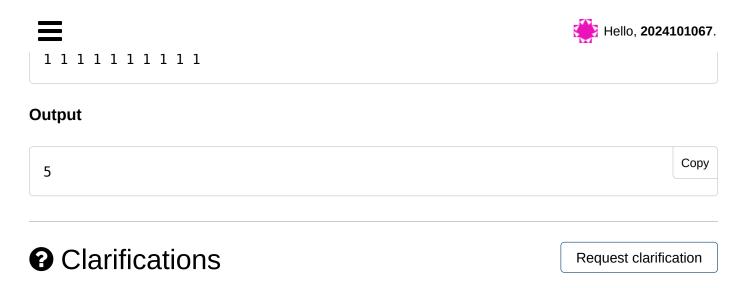
- $\bullet \quad \boxed{1 \le n \le 2 * 10^5}$
- $\bullet \ [1 \le x \le 10^9]$
- $[1 \le p_i \le x]$

Example

Innut

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No clarifications have been made at this time.

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