Problem 12 : Gun Power

Statement

To protect the walls, the **Garrison** uses cannons to target the titans, each titan requires a defined number of shots to be killed. For this, they assign you the task of choosing which titans to prioritize; allowing them to take down the most.

Input

The first line contains two integers: N the number of titans attacking the wall, B the number of shots the **Garrison** have.
The second line contains N integers, each represents the number of shots that titan will take so it will be undertaken.

Output

The maximum number of titans that can be killed.

Example

Input	Output
4 100 20 30 20 50	3