

A. Vanya and Fence

time limit per test: 1 second
 memory limit per test: 256 megabytes
 input: standard input
 output: standard output

Vanya and his friends are walking along the fence of height h and they do not want the guard to notice them. In order to achieve this the height of each of the friends should not exceed h . If the height of some person is greater than h he can bend down and then he surely won't be noticed by the guard. The height of the i -th person is equal to a_i .

Consider the width of the person walking as usual to be equal to 1, while the width of the bent person is equal to 2. Friends want to talk to each other while walking, so they would like to walk in a single row. What is the minimum width of the road, such that friends can walk in a row and remain unattended by the guard?

Input

The first line of the input contains two integers n and h ($1 \leq n \leq 1000$, $1 \leq h \leq 1000$) — the number of friends and the height of the fence, respectively.

The second line contains n integers a_i ($1 \leq a_i \leq 2h$), the i -th of them is equal to the height of the i -th person.

Output

Print a single integer — the minimum possible valid width of the road.

Examples

input	Copy
3 7 4 5 14	
output	Copy
4	

input	Copy
6 1 1 1 1 1 1 1	
output	Copy
6	

input	Copy
6 5 7 6 8 9 10 5	
output	Copy
11	

Note

In the first sample, only person number 3 must bend down, so the required width is equal to $1 + 1 + 2 = 4$.

In the second sample, all friends are short enough and no one has to bend, so the width $1 + 1 + 1 + 1 + 1 + 1 = 6$ is enough.

Codeforces Round #355 (Div. 2)

[Finished](#)
[Practice](#)


→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest](#)

→ Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest](#)

→ Submit?

Language: Java 1.8.0_241

Choose file: [Choose File](#) No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

[Submit](#)

→ Last submissions

Submission	Time	Verdict
132643827	Oct/21/2021 21:02	Accepted



→ Problem tags

[implementation](#) *800

No tag edit access

→ Contest materials

In the third sample, all the persons have to bend, except the last one. The required minimum width of the road is equal to $2 + 2 + 2 + 2 + 2 + 1 = 11$.

- [Announcement \(en\)](#) 
- [Tutorial \(en\)](#) 

[Codeforces](#) (c) Copyright 2010-2021 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Oct/21/2021 14:03:10^{UTC-4} (h3).
Desktop version, switch to [mobile version](#).
[Privacy Policy](#)

Supported by



ITMO UNIVERSITY