



HOME TOP CONTESTS GYM PROBLEMSET GROUPS RATING API HELP HONORCUP Z CALENDAR

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

# 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

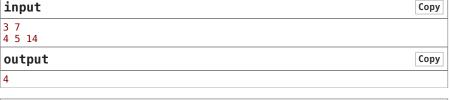
The first line of the input contains two integers n and h ( $1 \le n \le 1000$ ,  $1 \le h \le 1000$ ) — the number of friends and the height of the fence, respectively.

The second line contains n integers  $a_i$  ( $1 \le a_i \le 2h$ ), 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	Сору
6 1 1 1 1 1 1 1	
output	Сору
6	

input	Сору
6 5 7 6 8 9 10 5	
output	Сору
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=6 is enough.

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.

# Codeforces Round #355 (Div. 2)

# 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.

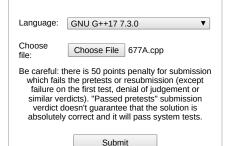
Start virtual contest

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

### → Submit?



## → Last submissions

Submission	Time	Verdict
64156493	Nov/03/2019 15:59	Accepted

## → Problem tags



## → Contest materials

Announcement (en)
 Tutorial (en)

×

The only programming contests Web 2.0 platform Server time: Nov/03/2019 10:00:49<sup>UTC-3</sup> (g1). Desktop version, switch to mobile version.

Privacy Policy

Supported by



