

Problem 2

Yagami Light is the protagonist of a popular anime show named “Death Note”.

In order to prove his ideals to the world, Yagami decided to eradicate every criminal that exists by using his death note (which is a book used to kill people).

He plans to use N notes where each note consumes I ink. Initially, He has an ink limit of L .

Help him find the maximum number of notes he can write.

CONSTRAINTS :

$$1 \leq N \leq 100$$

$$10 \leq L \leq 200$$

INPUT :

The first line contains two integers, the size of the array N and the ink limit L .

The second line contains N integers $I_0 I_1 I_2 I_3 \dots I_{N-1}$ (I_j corresponds to the j_{th} element in the array where $1 \leq I_j \leq 200$).

OUTPUT :

Print the maximum number of notes Yagami can write.

EXAMPLES :

INPUT :

9 190

10 18 71 22 17 180 52 192 99

OUTPUT :

6

INPUT :

1 140

142

OUTPUT :

0

INPUT :

4 200

137 12 28 19

OUTPUT :

4
