Problem 3: Conveyor Belt Sushi

Time Limit: 1s
Memory Limit: 128MB

While wandering Osaka, Alan finds himself in a conveyor belt sushi restaurant. This particular conveyor belt sushi restaurant has a very high tech system in place and tells you that there are N plates of sushi where the ith plate costs C_i dollars. Alan is starving and wants to buy a lot of sushi. However, since he spent all his money on otoro and chutoro, he only has D dollars left. If he starts at the beginning of the conveyor belt, what is the maximum number of sushi he can buy?

Constraints

$1 \leq N \leq 1\,000$
$1 \leq D \leq 100\,000$
$1 \leq C_i \leq 10\,000$

Input Specification

The first line of input will contain the integers N and the second line will contain D. The next N lines will contain C_i, the cost of the ith plate of sushi.

Output Specification

Output a single integer, the maximum number of plates of sushi Alan can buy if he starts at the beginning of the conveyor belt.

Sample Input

```
5
100
10
20
30
40
50
```

Sample Output

```
4
```

Explanation

Alan can buy the first 4 plates of sushi, which cost $10 + 20 + 30 + 40 = 100$ dollars. If he tries to buy the 5th plate of sushi, he will not have enough money.