Elevator Rides  
Problem ID: elevatorrides1653

There are \( n \) people who want to get to the top of a building which has only one elevator. You know the weight of each person and the maximum allowed weight in the elevator. What is the minimum number of elevator rides?

**Input**  
The first input line has two integers \( n \) and \( x \): the number of people and the maximum allowed weight in the elevator.  
The second line has \( n \) integers \( w_1, w_2, \ldots, w_n \): the weight of each person.

**Output**  
Print one integer: the minimum number of rides.

**Constraints**  
- \( 1 \leq n \leq 20 \)  
- \( 1 \leq x \leq 10^9 \)  
- \( 1 \leq w_i \leq x \)

<table>
<thead>
<tr>
<th>Sample Input 1</th>
<th>Sample Output 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 10</td>
<td>2</td>
</tr>
<tr>
<td>4 8 6 1</td>
<td></td>
</tr>
</tbody>
</table>