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Lisa's Workbook

by **Errichto**

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Lisa just got a new math workbook. A workbook contains exercise problems, grouped into chapters.

- There are n chapters in Lisa's workbook, numbered from 1 to n.

- The i-th chapter has t_i problems, numbered from 1 to t_i.

- Each page can hold *up to* k problems. There are no empty pages or unnecessary spaces, so only the last page of a chapter may contain fewer than k problems.

- Each new chapter starts on a new page, so a page *will never* contain problems from more than one chapter.

- The page number indexing starts at 1.

Lisa believes a problem to be *special* if its index (within a chapter) is the same as the page number where it's located. Given the details for Lisa's workbook, can you count its number of *special* problems?

Note: See the diagram in the *Explanation* section for more details.

Input Format

The first line contains two integers n and k — the number of chapters and the maximum number of problems per page respectively.
The second line contains n integers $t_1, t_2, \ldots, t_n$, where t_i denotes the number of problems in the i-th chapter.

Constraints

- $1 \le n, k, t_i \le 100$

Output Format

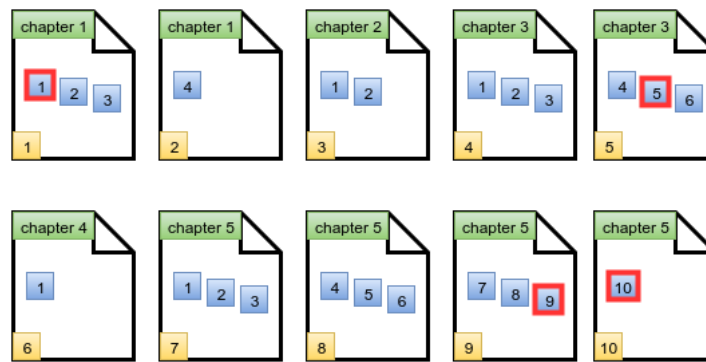Print the number of *special* problems in Lisa's workbook.

Sample Input

```
5 3
4 2 6 1 10
```

Sample Output

```
4
```

Explanation

The diagram below depicts Lisa's workbook with $n = 5$ chapters and a maximum of $k = 3$ problems per page. Special problems are outlined in red, and page numbers are in yellow squares.

There are **4** special problems and thus we print the number **4** on a new line.

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Submissions: 13668

Max Score: 25

Difficulty: Easy

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More

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```
1  using System;
2  using System.Collections.Generic;
3  using System.IO;
4 ▾ class Solution {
5 ▾     static void Main(String[] args) {
6          /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution
   */
7      }
8  }
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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