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

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

Output Format

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

Sample Input

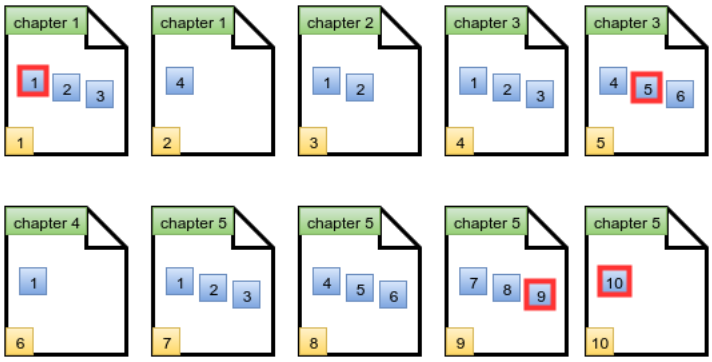
```
5 3
4 2 6 1 10
```

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.

Submissions:23016

Max Score:25

Difficulty: Easy

Rate This Challenge:

More

Current Buffer (saved locally, editable) Java 7

```
1  import java.io.*;
2  import java.util.*;
3  import java.text.*;
4  import java.math.*;
5  import java.util.regex.*;
6
7  public class Solution {
8
9      public static void main(String[] args) {
10         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
11     }
12 }
```

Line: 1 Col: 1

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