Lisa's Workbook

Lisa just got a new math workbook. A workbook contains exercise problems, grouped into chapters. Lisa believes a problem to be *special* if its index (within a chapter) is the same as the page number where it's located. The format of Lisa's book is as follows:

- There are n chapters in Lisa's workbook, numbered from 1 to n.
- The i^{th} chapter has $arr[i]$ problems, numbered from 1 to $arr[i]$.
- Each page can hold *up to* k problems. Only a chapter's last page of exercises 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.

Given the details for Lisa's workbook, can you count its number of *special* problems?

Example
$arr = [4, 2]$
$k = 3$

Lisa's workbook contains $arr[1] = 4$ problems for chapter 1, and $arr[2] = 2$ problems for chapter 2. Each page can hold $k = 3$ problems.

The first page will hold 3 problems for chapter 1. Problem 1 is on page 1, so it is *special*. Page 2 contains only Chapter 1, Problem 4, so no *special* problem is on page 2. Chapter 2 problems start on page 3 and there are 2 problems. Since there is no problem 3 on page 3, there is no *special* problem on that page either. There is 1 *special* problem in her workbook.

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

Function Description

Complete the *workbook* function in the editor below.

workbook has the following parameter(s):

- *int n:* the number of chapters
- *int k:* the maximum number of problems per page
- *int arr[n]:* the number of problems in each chapter

Returns
- *int:* the number of special problems in the workbook

Input Format

The first line contains two integers n and k, the number of chapters and the maximum number of problems per page.

The second line contains n space-separated integers $arr[i]$ where $arr[i]$ denotes the number of problems in the i^{th} chapter.

Constraints

- $1 \leq n, k, arr[i] \leq 100$

Sample Input

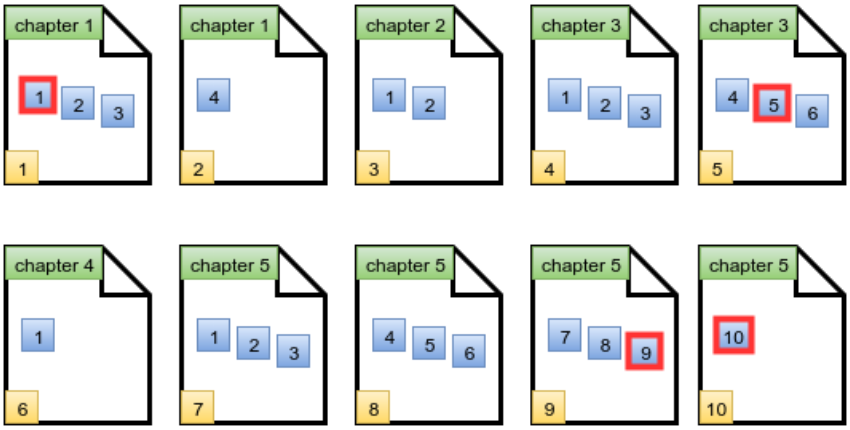
```
STDIN       Function
-----       --------
5 3         n = 5, k = 3
4 2 6 1 10  arr = [4, 2, 6, 1, 10]
```

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.