**CODEFORCES**
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PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

## A. Attention to the Meeting

time limit per test: 1 second
memory limit per test: 256 megabytes

Vinicius is at a board meeting of the "Instituto de Consultoria de Palestras e Comentários" (ICPC) thinking that it would be great if the board members were more concise and kept their speeches within the time allotted for each director, so that the meeting could end before lunch. Unfortunately, perhaps due to the nature of the institution, everyone loves to talk.

Knowing that

- there are $N$ directors who will speak at the meeting;
- each director will speak for the same amount of time;
- and that between two consecutive speeches there is a 1-minute interval,

determine the maximum length of each speech, in minutes, so that the meeting lasts no more than $K$ minutes.

### Input
The first line contains an integer $N$ ($1 \leq N \leq 100$), the number of directors. The second line contains an integer $K$ ($1 \leq K \leq 1000$ and $K \geq N$), the maximum meeting duration in minutes. For all input cases, each director's speech lasts at least 1 minute.

### Output
Your program should output a single line, containing a single integer, indicating the length of each board member's speech, in minutes.

### Examples

| input | Copy |
|---|---|
| 7<br>120 | |

| output | Copy |
|---|---|
| 16 | |

| input | Copy |
|---|---|
| 1<br>10 | |

| output | Copy |
|---|---|
| 10 | |

| input | Copy |
|---|---|
| 100<br>1000 | |

| output | Copy |
|---|---|
| 9 | |

### Note
Explanation for sample 1: There are 7 directors and the maximum meeting length is 120 minutes. If each director speaks for 16 minutes, we have $16 \times 7 = 112$ minutes. Since there are six breaks between speeches, and each break lasts one minute, we have 118 minutes in total. Note that, in this case, two minutes of the meeting time are not used, and that, if the speeches were longer than 16 minutes, the total time would exceed the 120-minute limit.

Explanation for sample 2: There is only one director and the meeting lasts 10 minutes. Therefore, the maximum speaking time of the director is $10$ minutes.

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### 2024-2025 ICPC Brazil Subregional Programming Contest

**Finished**

Practice

⭐

### → Virtual participation ⌄

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[ Start virtual contest ]

### → Clone Contest to Mashup ⌄

You can clone this contest to a mashup.

[ Clone Contest ]

### → Submit?

Language:  [ GNU G++17 7.3.0 ▾ ]

Choose file:  [ Escolher arquivo ] Nenhu...colhido

[ Submit ]

### → Last submissions

| Submission | Time | Verdict |
|---|---|---|
| 294493671 | Dec/02/2024 22:44 | Accepted |
| 294491745 | Dec/02/2024 22:24 | Wrong answer on test 10 |

### → Contest materials

- Statements #1 (pt)    ✖
- Statements #2 (en)    ✖

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