HrSiam Attends Parties

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	64 megabytes

HrSiam will attend a party that will be held several times at the travel destination. At the party he needs to wear a dress, one per turn. He will bring some dress on his trip, but if the number of dresses is smaller than the number of parties, he may need to wear the same dress several times to attend all the parties.

Fashionable HrSiam does not want to wear the same dress several times. He would like to reduce the number of times he wear the most used dresses as much as possible.

The number of dresses and the number of parties are given. Create a program to calculate how many times he have to wear that dress when he reduces the number of times he wear the most used dresses as much as possible.

Input

The first and only line of input contains two integers: The number of dresses, A $(1 \leq N \leq 10^5)$ and the number of parties, B $(1 \leq B \leq 10^5)$,

Output

Print how many times he mayneed to wear the most used dress on one line.

Example

Sample Input	Sample Output
3 5	2
25 10	1