Problem H
Memories of Passport Control

Time Limit: 1 second Memory Limit: 1GB

After getting your latest passport, you are back to traveling internationally. This time, officers at passport control have been stamping only the earliest unstamped pages in your passport, so you have not needed to apply for a new passport early.

Due to new international aviation laws, when you pass through passport control, one of two things happens: either a single page is stamped, or exactly k pages are stamped. You pass through passport control exactly once per trip.

Your memory is foggy, and you no longer remember how many trips you have taken. Compute the minimum number of trips you could have taken to end up with exactly the given number of stamped pages in your passport.

Input

The first and only line of input contains two integers k and s ($2 \leq k \leq 50$, $1 \leq s \leq 50$), where k is the number of pages passport control stamps when stamping multiple pages at once, and s is the total number of pages that have been stamped in your passport.

Output

Output a single integer, the minimum number of trips you could have taken. It can be proven that it is always possible to have exactly s stamped pages.

Sample Input 1	Sample Output 1
13 23	11

Sample Input 2	Sample Output 2
13 39	3