

Problem X. Fair Distribution

Time limit 1000 ms

Mem limit 524288 kB

Mr. Forhad has X children. One day, on his way home, he bought Y chocolates for his children. He doesn't know if he can divide these Y chocolates equally among his X children. If he can't, then he must buy some more chocolates so that he can divide the chocolates equally among his children.

Now, you need to write a program to help Mr. Forhad determine the minimum number of additional chocolates that he needs to buy so that he can make the distribution fair.

Input

Each line will have two integers X and Y ($0 < X, Y \leq 150$) where X is the number of children that Mr. Forhad has and Y is the number of chocolates that Mr. Forhad has already bought.

Output

You must print one integer which is the minimum number of additional chocolates that Mr. Forhad needs to buy.

Sample

Input	Output
3 10	2