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B. Multiplication Table

time limit per test: 1 second@ memory limit per test: 256 megabytes input: standard input output: standard output

Peter compiled a multiplication table of size $n \times n$. The cell in the *i*-th row and *j*-th column contains the value $i \cdot j$. Peter was interested in the question: which number in the table is k-th in ascending order? Help Peter answer this question.

Input

The input contains two integers n and k ($1 \le n \le 10^5$, $1 \le k \le n^2$).

Output

Print one integer, *k*-th number in ascending order in the table.

Examples	
input	Сору
3 4	
output	Сору
3	
input	Сору
5 16	
output	Сору
10	

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