

Problem A

Number Sequences

Time limit: 1s
Memory Limit: 8MB

You will be given two numbers, N and M, in a line separated by a space. You have to print a line consists of N numbers starting from 1 and reset to 1 after M numbers. See the example for clarity.

Input

The first line consists of two numbers N and M described above. $5 \leq N \leq 100$ and $2 \leq M \leq N$

Output

You need to output N numbers described above. After printing M increasing numbers, you need to “reset” the number printed to 1. See the example for clarity. **Every consecutive numbers** will be separated by exactly a space. **REMEMBER!** If you output unnecessary character(s), the system will give you “Wrong Answer” instead of “Correct”.

1st Sample Input
8 3
Output for 1st Sample Input
1 2 3 1 2 3 1 2

2nd Sample Input
20 7
Output for 2nd Sample Input
1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6

Note: Always print a newline (\n) at the end of the answer.

Note: There's **no space at the end** of those N numbers