Countdown
Problem ID: a04p01countdown

Will things ever be the same again?

Write a program that, given an integer n as input, prints n, then $n - 1$, and so forth, until finally printing 1, at which point the program exits.

Input

Input consists of one line containing the integer n, where $1 \leq n \leq 10^4$.

Output

Output consists of n lines, each line containing one integer.

Sample Input 1	Sample Output 1
6	6 5 4 3 2 1

Sample Input 2	Sample Output 2
1	1

Sample Input 3	Sample Output 3
23	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1