
Print from N to 1

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 64 megabytes

Given a number N . Print all numbers from N to **1** separated by a single space.

Note: Solve this problem using recursion.

Input

Only one line containing a number N ($1 \leq N \leq 10^3$).

Output

Print from N to **1** separated by a single space.

Example

standard input	standard output
4	4 3 2 1

Note

Make sure don't print any leading or trailing spaces.