
Problem A. Sleep Issue

Input file: `standard input`
Output file: `standard output`
Time limit: 2 seconds
Memory limit: 64 megabytes

Zrog have is a frog programmer. Zrog is entering a programming competition called Ribbit Code Jam 2016. Zrog consider himself as an average programmer. He was thinking that other participant in the competition are super geniuses. So he was under the impression that maybe the programming competition's problem authors would create really hard question that no average programmer could possibly solve. He may fail to solve any question at all!

Thinking of that, Zrog have a hard time sleeping the night before competition. But he must sleep. He needs his focus for the competition. To help him sleep, Zrog pick an integer N and count from 1 to N . Help Zrog by listing down that number.

Input

A single integer N ($1 \leq N \leq 10^6$)

Output

Output N lines. Each of the line contain a single number X_i which is the i th number from 1 to N .

Examples

standard input	standard output
3	1 2 3
10	1 2 3 4 5 6 7 8 9 10