
Print from 1 to N

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

Given a number N . Print numbers from **1** to N in separate lines.

Note: Solve this problem using recursion.

Input

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

Output

Print N lines according to the required above.

Example

| standard input | standard output |
|----------------|-----------------------|
| 5 | 1 2 3 4 5 |