



URI Online Judge | 1144

Logical Sequence

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Principiante

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Write a program that reads an integer N . $N * 2$ lines must be printed by this program according to the example below. For numbers with more than 6 digits, all digits must be printed (no scientific notation allowed).

Input

The input file contains an integer N ($1 < N < 1000$).

Output

Print the output according to the given example.

| Sample Input | Sample Output |
|--------------|---|
| 5 | 1 1 1 1 2 2 2 4 8 2 5 9 3 9 27 3 10 28 4 16 64 4 17 65 5 25 125 5 26 126 |

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