First numbers   P37500_en

Write a program that reads a number n, and prints all numbers between 0 and n.

Input

Input consists of a natural number n.

Output

Print in order all natural numbers between 0 and n.

Sample input	Sample output
5	0
	1
	2
	3
	4
	5

Problem information

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Generation : 2024-04-30 20:33:11