Your task is to write a program that reads a sequence of words and prints them in alphabetical order.

**Input**
The input starts with a natural number \( n \) and continues with the \( n \) words that your program must sort. All the words are formed exclusively by lowercase letters.

**Output**
The output is a line with the \( n \) words of the input in alphabetical order, separated by a comma.

**Observation**
You must use the algorithm \textit{insertion sort} to solve this problem. Any other method will be qualified with a zero.

**Sample input 1**
3 helen george john

**Sample output 1**
george,helen,john

**Sample input 2**
11 a bird in the hand is worth two in the bush

**Sample output 2**
a,bird,bush,hand,in,in,is,the,the,two,worth

**Sample input 3**
7 a az b b bz z za

**Sample output 3**
a,az,b,b,bz,z,za

**Sample input 4**
0

**Sample output 4**

**Sample input 5**
1 hello

**Sample output 5**
hello

**Problem information**
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