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 *selection 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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