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**Permutations****X60822\_en**

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Write a program that, given  $n$  different words  $s_1, \dots, s_n$ , prints all the permutations that can be made up with the words.

**Input**

Input consists of a number  $n > 0$ , followed by  $s_1, \dots, s_n$ .

**Output**

Print all the permutations that can be made up with  $s_1, \dots, s_n$ .

**Information about the checker**

You can print the solutions to this exercise in any order.

**Sample input 1**

```
3
hola adeu hi
```

**Sample output 1**

```
(hola, adeu, hi)
(hola, hi, adeu)
(adeu, hola, hi)
(adeu, hi, hola)
(hi, hola, adeu)
(hi, adeu, hola)
```

**Problem information**

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