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**Subsets (1)****P18957\_en**

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

**Information about the checker**

You can print in any order both the solutions and the elements inside each solution.

**Sample input 1**

```
3
hola adeu hi
```

**Sample output 1**

```
{ }
{hi}
{adeu}
{adeu,hi}
{hola}
{hola,hi}
{hola,adeu}
{hola,adeu,hi}
```

**Problem information**

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