
Subsets (1)

X86812_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

```
3
hola adeu hi
```

Sample output

Problem information

Author : Salvador Roura
Translator : Carlos Molina
Generation : 2022-11-24 17:52:20

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