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## Subsets (2)

P33748\_en

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

### Input

Input consists of two natural numbers  $m$  and  $n$ , followed by  $s_1, \dots, s_n$ . Assume  $n > 0$  and  $0 \leq m \leq n$ .

### Output

Print all the subsets of  $m$  words 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

```
2 5
hola adeu hi hello bye
```

### Sample output

```
{hello,bye}
{hi,bye}
{hi,hello}
{adeu,bye}
{adeu,hello}
{adeu,hi}
{hola,bye}
{hola,hello}
{hola,hi}
{hola,adeu}
```

### Problem information

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