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## Most frequent words

P12284\_en

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Write a program that reads a sequence of  $n$  words and prints the  $k$  most frequent (in case of a tie, the smallest in alphabetical order).

### Input

Input consists of several cases. Every case starts with  $n$  and  $k$ , followed by  $n$  words made up of only lowercase letters. You can assume that  $k$  is between 1 and the number of different words.

### Output

For every case, print the  $k$  most frequent words in order. Print first the most frequent words, and in case of a tie, the smallest words in lexicographical order. Print a line with 10 dashes at the end of each case.

#### Sample input 1

```
5 1
hola adeu adeu bye hola
5 2
hola adeu adeu bye hola
5 3
hola adeu adeu bye hola
```

#### Sample output 1

```
adeu
-----
adeu
hola
-----
adeu
hola
bye
-----
```

### Problem information

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