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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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