
Most frequent words

P12284_en

Examen extraordinari d'Informàtica, FME (2014-07-07)

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

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

Sample output

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

Problem information

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