

## Long words

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Write a program that checks whether a given text reaches a goal number of words of at least a given goal length. The program reads first the goal number  $n$  and the goal length  $m$ ; they are integers coming in the first line. Then finds out whether the text that follows them contains at least  $n$  different words of length at least  $m$ . If so, it outputs the  $n$  words, sorted according to the standard string ordering, each in a line. Otherwise, it prints Goal not attained.

### Input

Input consists of two numbers  $n$  and  $m$ , being respectively the goal number and the goal length, followed by a sequence of words. Numbers  $n$  and  $m$  are integers,  $n$  is greater than zero and  $m$  is non negative.

### Output

In case the goal is achieved, the output consists of  $n$  lines with the  $n$  first different words in the input text whose length is at least  $m$ . Words are shown according to the standard string order, one by line. When goal is not reached, a line with the message Goal not attained

#### Sample input 1

```
2 4
truck
truck
bike
plane
```

#### Sample output 1

```
bike
truck
```

#### Sample input 2

```
2 5
truck
bike
truck
plane
```

#### Sample output 2

```
plane
truck
```

#### Sample input 3

```
3 5
truck
car
bike
plane
```

#### Sample output 3

```
Goal not attained
```

### Problem information

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Generation: 2026-01-25T17:16:22.543Z

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