

A. Frequency analysis

time limit per test: 2 seconds🕒

memory limit per test: 256 megabytes

Given a number k and a text, your task is to find the k -th frequent word in the text.

Input

First line contains integer n ($1 \leq n \leq 10^3$) — number of the words in the text. Second line contains integer k ($1 \leq k \leq n$)

Next line contains n words, separated by spaces. Each word contains only English letters in lowercase, no more than 30 letters in each word.

Output

Print the k -th frequent word in the text.

NOTE: If multiple words have same frequency consider them by the first occurrence in the text.

Example

input	Скопировать
6 2 to be or not to be	
output	Скопировать
be	