Problem F2303
Word Retrieving

Today you read an article consists of 3 paragraphs. You want to load the content to your data mining system and would like to retrieve the *y-th* word in *x-th* paragraph.

Input

The input consists of 5 lines.

The first 3 lines contains each of the 3 paragraphs. Each paragraph contains $n(1 \leq n \leq 200)$ words which has at least 1 and at most 20 lower-case characters, separated by blank space. For simplicity, punctuation mark is omitted.

The next line contains the integer $x(1 \leq x \leq 3)$.

The last line contains the integer $y(1 \leq y \leq$ number of words in the respective paragraph).

Output

Print the *y-th* word in the *x-th* paragraph.

Sample Input

```
this is a pen
this is an apple
ah apple pen
2
4
```

Sample Output

```
apple
```