



Утегенов Батырхан Елембетұлы [ADS-Lab-02]: Submit a solution

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23:19:21 / RUNNING

A	B	C	D	E	F	H	I	K	L
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Submit a solution for B-140554. Jonathan the Poet

Time limit: 1 s

Real time limit: 5 s

Memory limit: 256M

Problem B: 140554. Jonathan the Poet

Jonathan the Poet has finished his new poem recently. But something went wrong and now he thinks that rhyme could be better. He believes that applying cyclic shift by K positions will fix the problem. Jonathan's new poem is a sequential list of words. Jonathan is tired and asked your help to find such cyclic shift.

To clarify, you are given a poem of N words as a single linked list. Your task is to write function that shifts linked list by K positions and returns the head of new linked list.

Input format

The first line contains two integers N and K ($1 \leq K < N \leq 10^5$) - number of words in the poem.

The second line contains N words that consist of lowercase latin letters. It is guaranteed that the total length of all words does not exceed $3 \cdot 10^5$.

Output format

If your function is implemented correctly, program will print the poem with order of words shifted by K positions.

Examples

Input

```
5 2
the show must go on
```

Output

```
must go on the show
```

Input

```
5 3
another one bites the dust
```

Output

```
the dust another one bites
```

Submit a solution

Language:

g++ - GNU C++ 11.4.0 ▼

File

Choose File

No file chosen

Send!

Send!

Previous submissions of this problem

Run ID	Time	Size	Problem	Language	Result	Failed test	View source	View report
1496	538:28:43	1489	B	g++	OK	N/A	View	View

A

B

C

D

E

F

H

I

K

L

[ejudge 3.10.3+ \(GIT 6da71ff82\) \(2023-08-02 06:59:26\).](#)

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