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

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# Submit a solution for F-103826. Insertion of Node.

**Time limit:**　1 s

**Real time limit:**　5 s

**Memory limit:**　256M

## Problem F: 103826. Insertion of Node.

You're given a linked list $A$, an integer $data$ to add to the list and the position at which the integer must be inserted. Create a new node with the given integer, insert this node at the desired position.

A position of 0 indicates head, a position of 1 indicates one node away from the head and so on.

As an example, if your list starts as $1 \to 2 \to 3$ and you want to insert a node at position $2$ with $data = 4$, your new list should be $1 \to 2 \to 4 \to 3$

### Input format

The first line contains an integer $n$, the number of elements in the linked list.

Each of the next $n$ lines contains an integer $a_i$.

The next line contains an integer $data$ denoting the data of the node that is to be inserted.

The last line contains an integer $position$.

$constraints$

• $1 \leq n \leq 1000$

• $1 \leq a_i \leq 1000$, where $a_i$ is the $i^{th}$ element of the linked list.

• $0 \leq position \leq n$.

### Output format

Return a reference to the list head. Locked code prints the list for you.

### Examples

Input

```
3
16
13
7
1
2
```

Output

```
16 13 1 7
```

## Submit a solution

Language:　[ g++ - GNU C++ 11.4.0　✔ ]

File            [ Choose File ] No file chosen
Send!           [ Send! ]

## Previous submissions of this problem

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|--------|----------|------|---------|----------|--------|-------------|-------------|-------------|
| 1508 | 538:40:07 | 1858 | F | g++ | OK | N/A | View | View |

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

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