

# Reverse first 'K' elements of a queue

Input file:           standard input  
Output file:         standard output  
Time limit:          2.5 seconds  
Memory limit:       256 megabytes

You have given a queue of 'n' elements and an integer 'k', reverse the first k elements of the queue.

All other element's order should be original.

Given Below is a Java Template you MUST use for this code. For C++ users implement a similar implementation such that your code must take input into a queue.

Complete the reverseKelements(int k) function and Submit. Do not forget to add the Reader Class for Fast Input.

```
public class Main {
    static Queue<Integer> queue;
    static void reverseKelements(int k) throws IOException
    {
    }
    public static void main(String args[]) throws IOException
    {
        queue = new LinkedList<Integer>();
        Reader.init(System.in);
        int n = Reader.nextInt();
        for (int i = 0; i < n; i++) {
            queue.add(Reader.nextInt());
        }
        int k=Reader.nextInt();
        reverseKelements(k);
    }
}
```

## Input

The first input line is a single integer n, the number of elements in the queue.

The second line contains n space separated integers i.e. integers inserted in the queue.

The third input line is a single integer k, we have to reverse first 'k' elements.

$$1 \leq k \leq n ,$$

$$1 \leq n \leq 10^8$$

## Output

Print the elements of the queue (space separated) after reversing the first 'k' elements. If not possible print -1.

## Examples

standard input	standard output
8 1 2 3 4 5 6 7 8 4	4 3 2 1 5 6 7 8
2 1 2 4	-1