## Problem 2 – Filter Matrix

You are given a matrix of elements and a sequence length **N**. Your task is to filter all **N** consecutive equal elements from the matrix, starting from the top-left corner. Take note that a sequence can be found on more than one row.

### Input

* The input is passed to the first JavaScript function found in your code as an **array of K strings**.
* The first **K – 1** string hold the matrix elements, separated by exactly **one** space
* The last string is the sequence length **N**

### Output

* The output should consist of **K – 1** lines
* On each line, print a row of the matrix after filtering it. If a row is empty, print (empty)

### Constraints

* The sequence length **N** is an integer number in range [2 .. 10]
* The **combined** number of elements in the matrix will be no more than **500**
* Allowed working time/memory **0.25s/16MB**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 3 3 3 2 5 9 9 9 9 1 2  1 1 1 1 1 2 5 8 1 1 7  7 7 1 2 3 5 7 4 4 1 2  2 | 3 2 5 1 2  1 2 5 8  7 1 2 3 5 7 1 2 |
| **Input** | **Output** |
| 1 2 3 3  3 5 7 8  3 2 2 1  3 | 1 2  5 7 8  3 2 2 1 |
| **Input** | **Output** |
| 2 1 1 1  1 1 1  3 7 3 3 1  2 | 2  (empty)  3 7 1 |
| **Input** | **Output** |
| 1 2 3 3 2 1  5 2 2 1 1 0  3 3 1 3 3  2 | 1 2 2 1  5 0  1 |