

# Skener

**Problem ID:** skener

**CPU Time limit:** 1 second

**Memory limit:** 1024 MB

**Difficulty:** 1.4

Having solved the match issue, Mirko faced another challenging problem. His mom ordered him to read an article about the newest couples on the Croatian show-biz scene in the “Moja Tajna” magazine. The article is written in a very small font size which Mirko cannot read. Luckily, Mirko has a scanner in the closet which will enlarge the article for him.

The article is a matrix of characters with  $R$  rows and  $C$  columns. The characters are letters of the English alphabet, digits and the character ‘.’ (period). Mirko’s scanner supports two parameters,  $Z_R$  and  $Z_C$ . It **substitutes each character** it scans with a **matrix of  $Z_R$  rows and  $Z_C$  columns**, where all entries are equal to the scanned character.

Mirko realized his scanner’s software no longer works so he needs your help.

## Input

The first row contains four integers,  $R$ ,  $C$ ,  $Z_R$  and  $Z_C$ .  $R$  and  $C$  are between 1 and 50, while  $Z_R$  and  $Z_C$  are between 1 and 5.

Each of the following  $R$  rows contains  $C$  characters each, representing the article from “Moja Tajna”.

## Output

The output should be a matrix of characters with  $R \cdot Z_R$  rows and  $C \cdot Z_C$  columns, the enlarged article.

### Sample Input 1

```
3 3 1 2
.X.
X.X
.X.
```

### Sample Output 1

```
..XX..
XX..XX
..XX..
```

### Sample Input 2

```
3 3 2 1
.X.
X.X
.X.
```

### Sample Output 2

```
.X.
.X.
X.X
X.X
.X.
.X.
```