# Skener

**Problem ID:** skener
**CPU Time limit:** 1 second
**Memory limit:** 1024 MB
**Difficulty:** 1.4

**Source:** Croatian Open
Competition in Informati
2006/2007, contest #4
**License:** For educational

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.
```