



## Task Bold

In addition to the usual age-related health problems such as first signs of RSI <sup>1</sup> and physical injuries that accumulate faster than they heal, Daniel's eyesight has suddenly worsened.

Paula wrote him a letter, but he can't read it without glasses. She needs to **bold** the text, so Daniel can read it.

The letter can be represented as a matrix consisting of characters '.' and '#'. To bold it, Paula will replace each '#' in the original letter with a  $2 \times 2$  square of '#' in the down-right direction.

### Input

The first line contains integers  $n$  and  $m$  ( $2 \leq n, m \leq 100$ ), the dimensions of the letter.

Each of the following  $n$  lines contains  $m$  characters '.' and '#' that represent Paula's letter.

The last row and column won't contain any '#'.

### Output

Output  $n$  lines containing  $m$  characters '.' and '#', representing the bold letter.

### Examples

**input**

4 4

....  
.#..  
....  
....

**output**

....  
.##.  
.##.  
....

**input**

7 7

.....  
.####..  
.#...#.  
.#...#.  
.#...#.  
.#...#.  
.####..  
.....

**output**

.....  
.#####.  
.#####  
.##..##  
.##..##  
.#####  
.#####.

**input**

9 7

.....  
.####..  
.#...#.  
.#...#.  
.####..  
.#.....  
.#.....  
.#.....  
.....

**output**

.....  
.#####.  
.#####  
.##..##  
.#####  
.#####.  
.##....  
.##....  
.##....

<sup>1</sup>Repetitive strain injury. Never ignore the pain caused by typing. Ergonomic aids and chairs are generally always worth it. Sit straight. "A gram of prevention is worth a kilo of cure."