The travelling tortoise

Find all the paths that a tortoise can travel from an initial position to a final position. The ground has \( n \times m \) paving stones, each one with a letter painted on it. The tortoise can only make horizontal and vertical movements, and it cannot pass by the same position twice.

**Input**

Input begins with \( n \) and \( m \), followed by \( n \) lines with \( m \) letters each. Follow a pair of natural numbers indicating the initial row and column, and a pair of naturals numbers indicating the final row and column. The upper-left corner corresponds to the position \((0, 0)\).

**Output**

Print all the paths from the initial position to the final position.

**Information about the checker**

You can print the solutions to this exercise in any order.

**Sample input 1**

```
2 2
IG
BA
1 0 0 1
```

**Sample output 1**

```
BIG
BAG
```

**Sample input 2**

```
3 2
ab
de
ab
0 0 2 1
```

**Sample output 2**

```
adab
adedb
abeb
abedab
```

**Sample input 3**

```
1 1
A
0 0 0 0
```

**Sample output 3**

```
A
```

**Problem information**

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