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The Virtual Learning Environment for Computer Programming

## The travelling tortoise

P22295\_en

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	Sample output 1
2 2	BIG
TG	BAG

BA 1 0 0 1

### Sample input 2

3	2		
al	5		
de	€		
al	C		
0	0	2	1

## Sample output 2

adab adeb abeb abedab

#### Sample input 3

1	1		
Α			
0	0	0	0

## Sample output 3

Α

#### **Problem information**

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