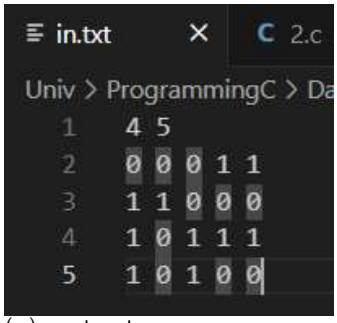
1.

(a) input

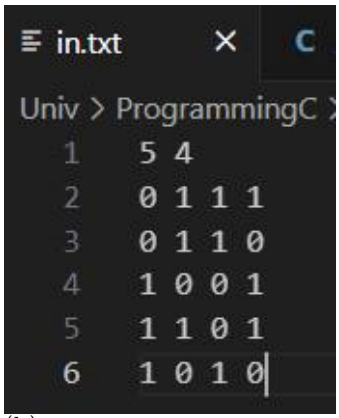


(a) output

```
C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>gcc 1.c

C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>a
The maze does not have a path
```

(b) input



(b) output

```
C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>gcc 1.c

C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>a
The path is:
row col
 1    1
 2    1
 3    2
 3    3
 4    3
 5    4
```

2.

input

in.txt

Univ > ProgrammingC > D

```
5 5
1 1 1 1 1
1 0 0 0 0
1 0 0 1 1
1 1 0 0 1
1 1 0 1 1
```

scanf

```
C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>gcc 2.c

C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>a
5 3 2 5
```

output

out.txt

Univ > ProgrammingC > Da

```
1 1 1 1 1
1 0 x x x
1 0 x 1 1
1 1 x 0 1
1 1 x 1 1
```

3.

```
C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>gcc 3.c

C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>a
I 0 I 2 I 9 D D I 5 I 8 F
0 2 9 5 8
```

```
C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>gcc 3.c

C:\Users\seonh\Documents\Backup\Univ\ProgrammingC\DataStr
ucture\241007>a
D I 2 I 9 I 5 I 7 D D I 8 F
-1 2 9 5 7 8
```