Name: Mina Adel

Name: Mina Atef

```
{2, 2, 1, 1, 1, 2, 2},
{2, 2, 1, 1, 1, 2, 2},
{1, 1, 1, 1, 1, 1, 1},
{1, 1, 1, 0, 1, 1, 1},
{1, 1, 1, 1, 1, 1, 1},
{2, 2, 1, 1, 1, 2, 2},
{2, 2, 1, 1, 1, 2, 2}
```

Name: Mina Adel   Name: Mina Atef

(DIR=0)// MOVE LEFT

```
#MOVE
table[row][col] = table[row][col - 1] = 0;
table[row][col - 2] = 1;
return true;
```

{1, 1, 1, 0, 1, 1, 1},

{1, 1, 1, 1, 0, 0, 1},

To undo

```
table[row][col] = table[row][col - 1] = 1;
        table[row][col - 2] = 0;
```

move

Unmove

Name: Mina Adel

Name: Mina Atef
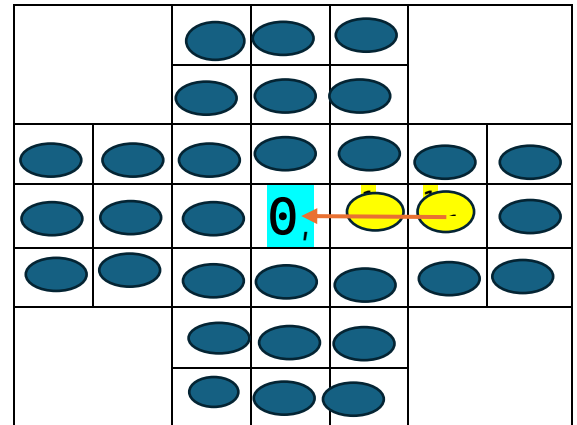
(DIR=1)// MOVE RIGHT

```
#MOVE
        table[row][col] = table[row][col + 1] = 0;
        table[row][col + 2] = 1;
        return true;
```

```
        {1, 1, 1, 0, 1, 1, 1},

        {1, 0, 0, 1, 1, 1, 1},
    To undo
      table[row][col] = table[row][col + 1] = 1;

      table[row][col + 2] = 0;
```


....

Name: Mina Adel   Name: Mina Atef

(DIR=2)// MOVE UP

```
#MOVE
    table[row][col] = table[row – 1][col] = 0;
    table[row – 2][col] = 1;
    return true;
```

```
                              ,1,→1
                              ,1,→1
                              ,1,→1
                              ,0,→1
                              ,1,←0
                              ,1,→0
                              ,1,→1

table[row][col] = table[row – 1][col] = 1;

  table[row – 2][col] = 0;
```
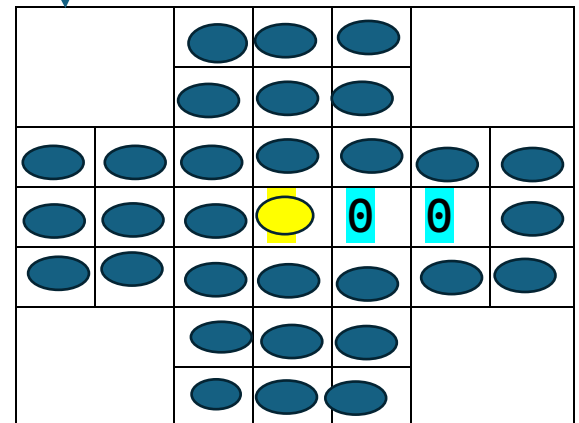
....//......................................

Name: Mina Adel

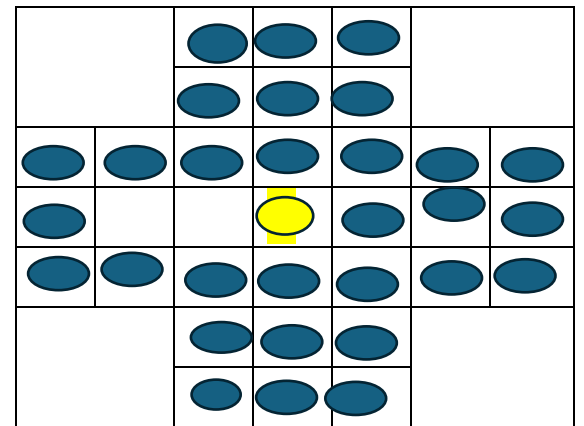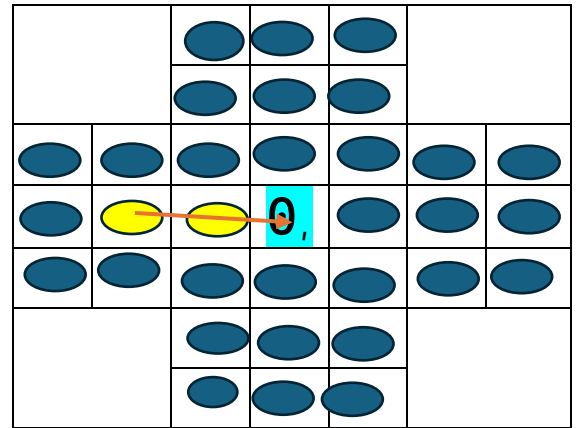Name: Mina Atef
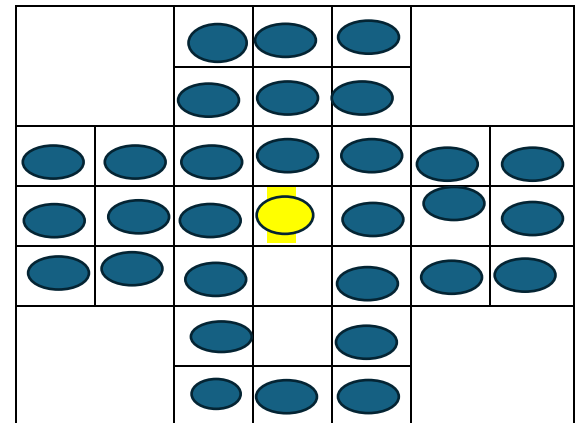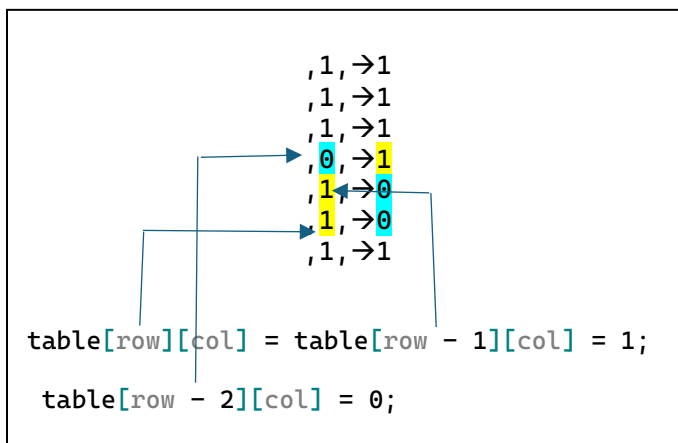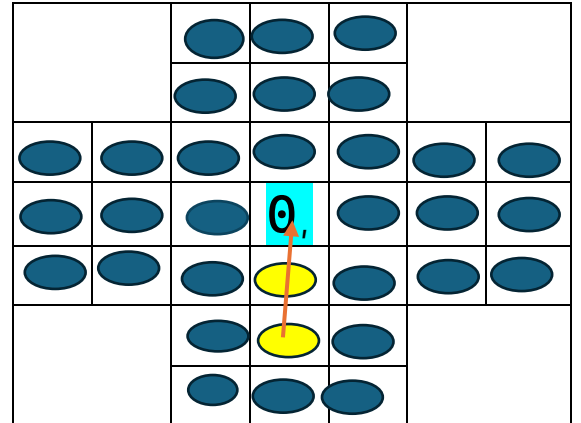
(DIR=3)// MOVE DOWN

```
#MOVE
        table[row][col] = table[row + 1][col] = 0;
        table[row + 2][col] = 1;
        return true;
```



```
            ,1,→1
            ,1,→0
            ,1,←0
            ,0,→1
            ,1,→1
            ,1,→1
            ,1,→1


table[row][col] = table[row + 1][col] = 1;
        table[row + 2][col] = 0;
```