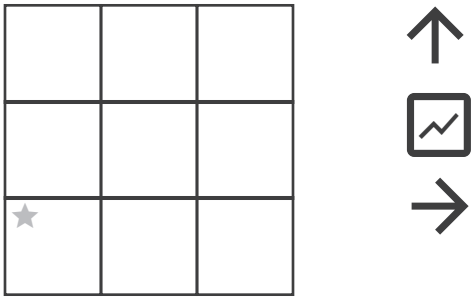
Lesson 1 | Warmup

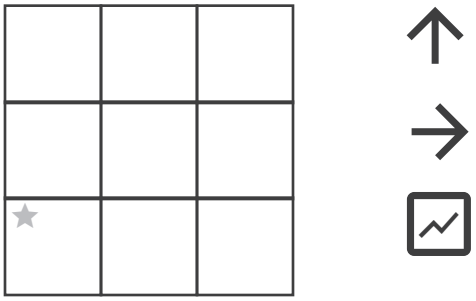
This is a Pixel Bots exercise. In Pixel Bots we will program bots to paint pictures using Code Elements.

Code Elements

Problem 1

Pixel Bot Read Code: You are a pixel bot. Read the code and paint the picture.



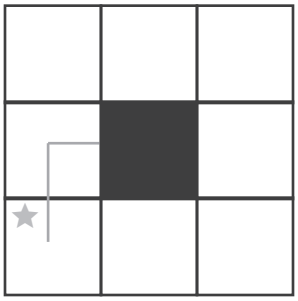


Lesson 1 | Worksheet 1

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

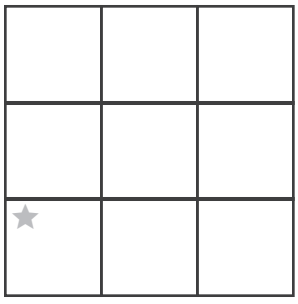
Example



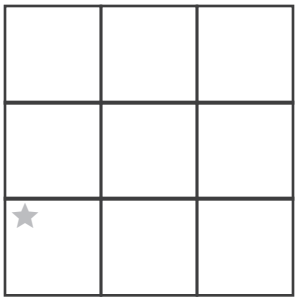
```
1 ↑
2 →
3 ⟋
```

Problems

You are a pixel bot. Read the code and paint the picture.

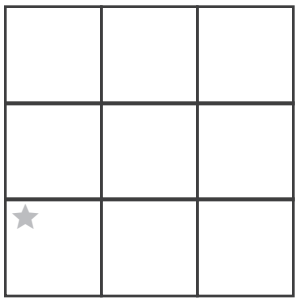


```
1 →
2 →
3 ⟋
4 ↑
```

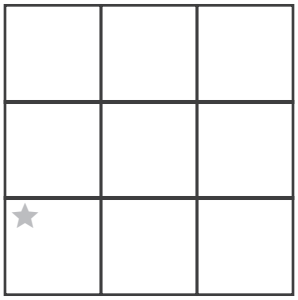


```
1 →
2 ⟋
3 ↑
4 ⟋
```

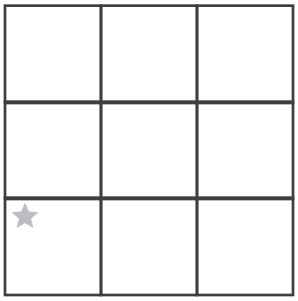
Lesson 1 | Worksheet 1 (cont'd)



1	↓
2	☑
3	←
4	☑



1	☑
2	←
3	☑
4	↓
5	☑



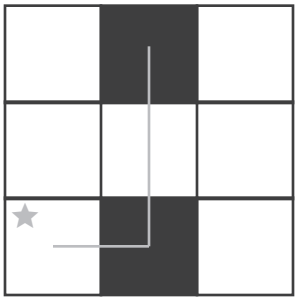
1	☑
2	↑
3	☑
4	↑
5	☑

Lesson 2 | Warmup

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

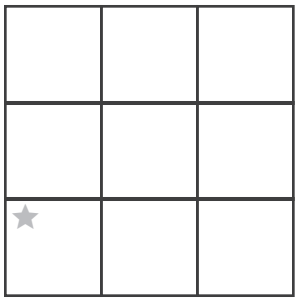
Example



1	→
2	▣
3	↑
4	↑
5	▣

Problems

You are a pixel bot. Read the code and paint the picture.



1	↑
2	→
3	▣
4	↑
5	→
6	▣
7	↓
8	↓
9	▣

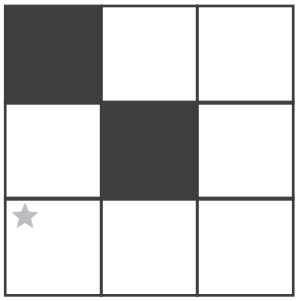
Lesson 2 | Worksheet 1

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

Problem

You are a coder. Write code to command the pixel bot to paint the picture.



```
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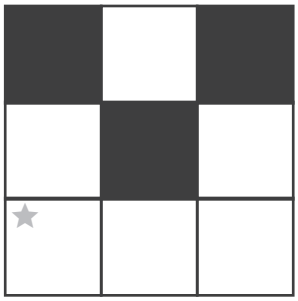
```

Lesson 4 | Worksheet 1

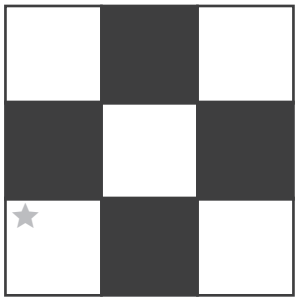
This is an online Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Problems

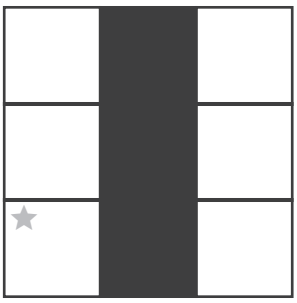
You are a coder. Write code to command the pixel bot to paint the pictures.



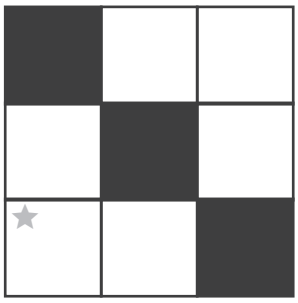
☐ done
☐ explained



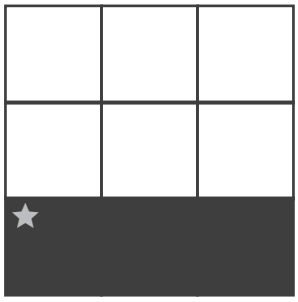
☐ done
☐ explained



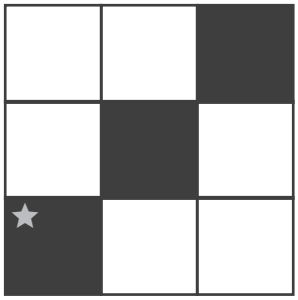
☐ done
☐ explained



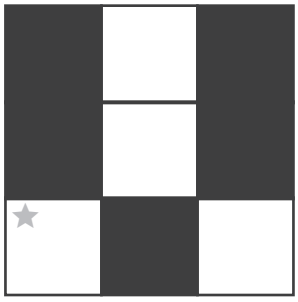
☐ done
☐ explained



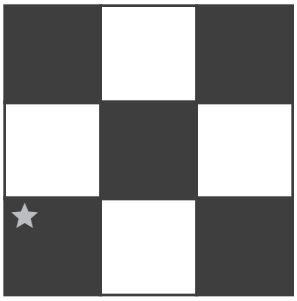
☐ done
☐ explained



☐ done
☐ explained



☐ done
☐ explained



☐ done
☐ explained

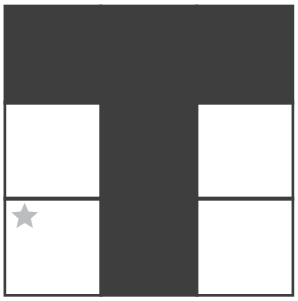
Lesson 4 | Exit Ticket

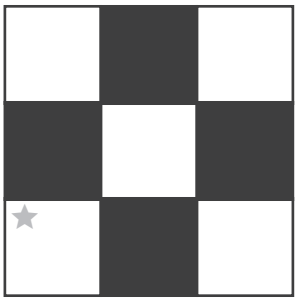
This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

Problem

You are a coder. Write code to command the pixel bot to paint the picture.





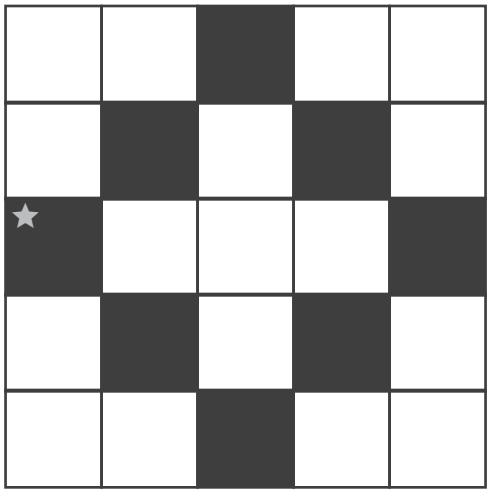
Lesson 6 | Warmup

This is a Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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Lesson 6 | Worksheet 1

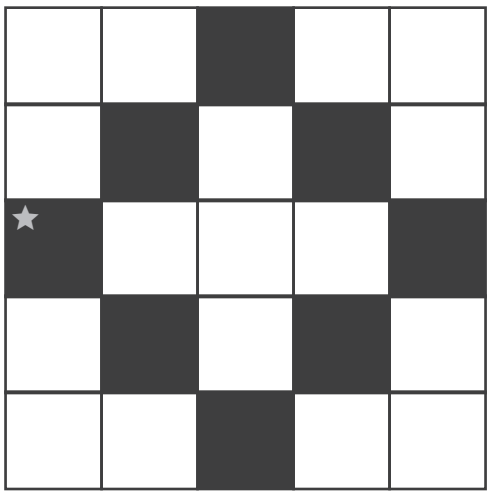
This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

```
up()        down()
left()      right()
paint()
```

Problem

You are a coder. Write code to command the pixel bot to paint the picture.



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```

Lesson 6 | Worksheet 2

This is a Dance Bot exercise. In Dance Bot we program bots to dance.

Code Elements

```
up()          down()
left()        right()
spinLeft()    spinRight()
wait()
```

Problem

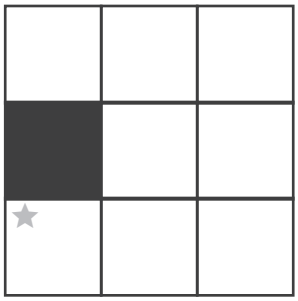
You are a coder. Write code to command to your bot to perform the same dance your teacher is doing.

Lesson 7 | Worksheet 1

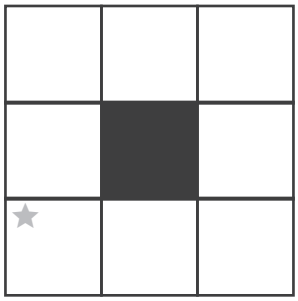
This is an online Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Problems

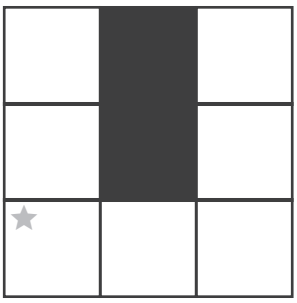
You are a coder. Write code to command the pixel bot to paint the pictures.



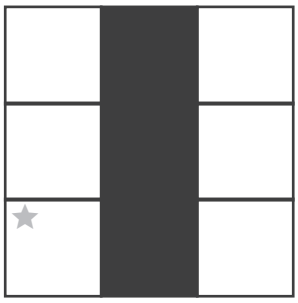
☐ done
☐ explained



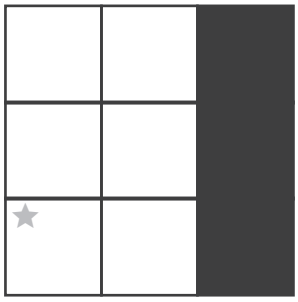
☐ done
☐ explained



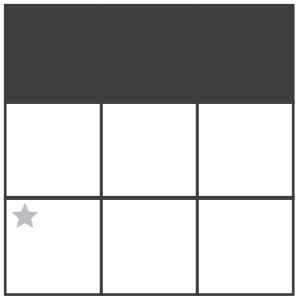
☐ done
☐ explained



☐ done
☐ explained



☐ done
☐ explained



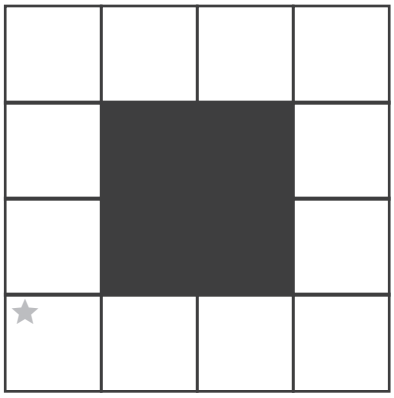
☐ done
☐ explained

Lesson 7 | Worksheet 2

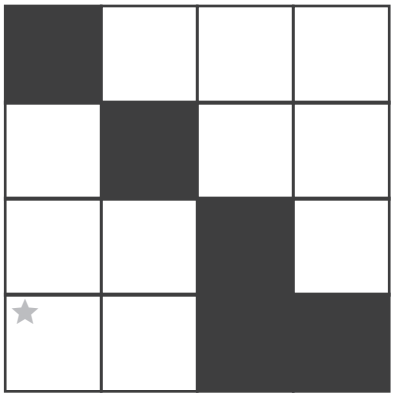
This is an online Pixel Bots exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Problems

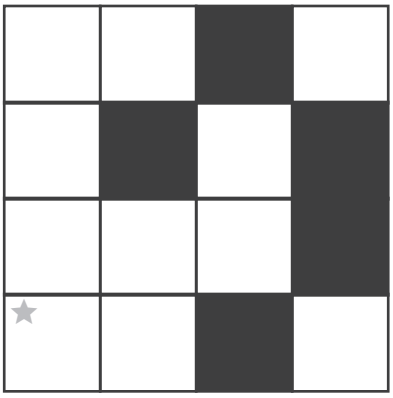
You are a coder. Write code to command the pixel bot to paint the pictures.



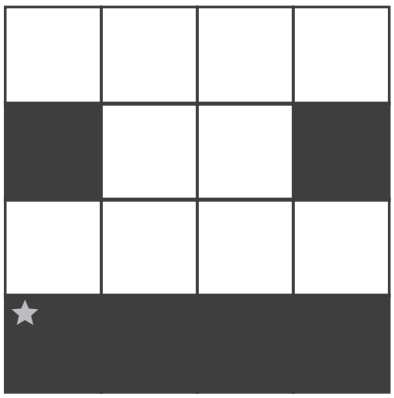
☐ done
☐ explained



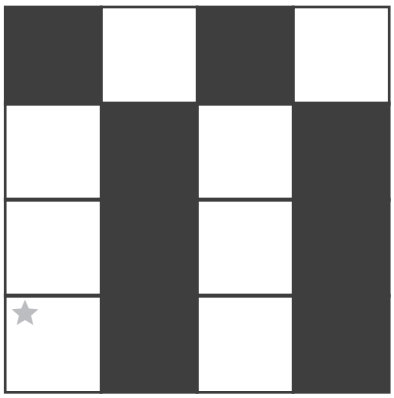
☐ done
☐ explained



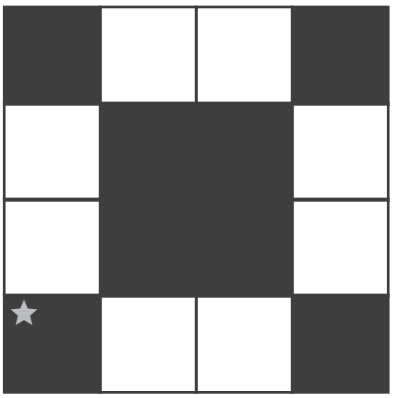
☐ done
☐ explained



☐ done
☐ explained



☐ done
☐ explained



☐ done
☐ explained

Lesson 7 | Exit Ticket

This is a Pixel Bots JavaScript exercise. In Pixel Bots we program bots to paint pictures using Code Elements.

Code Elements

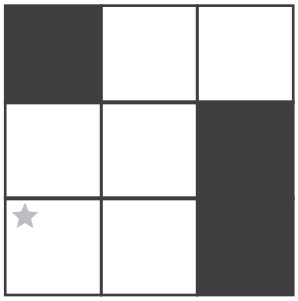
```
up()          down()
left()        right()
paint()
```

Problems

1) Which of the following has a syntax error:

a. `up()`
b. `down()`
c. `right)`
d. `left()`

2) You are a coder. Write code to command the pixel bot to paint the picture.



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Coding Paper

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Coding Paper

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Coding Paper

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14		44		74	
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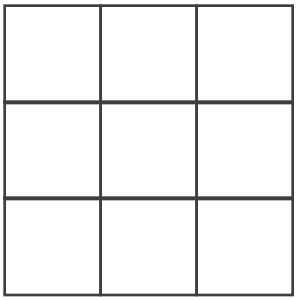
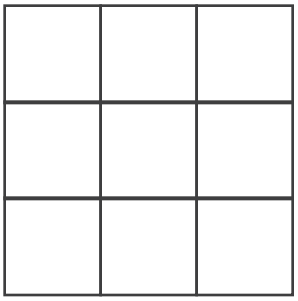
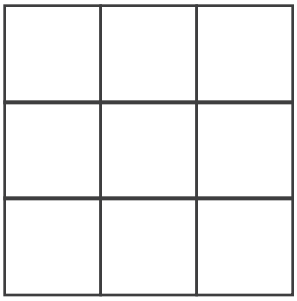
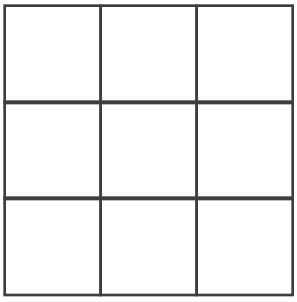
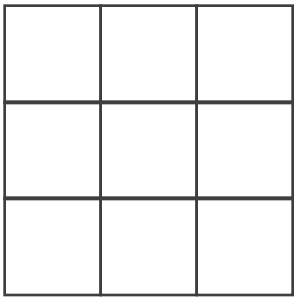
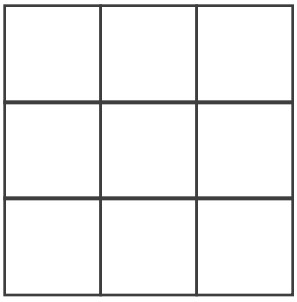
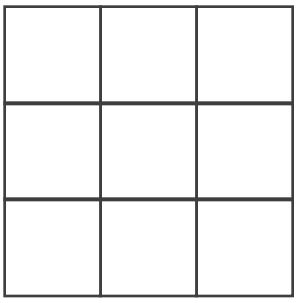
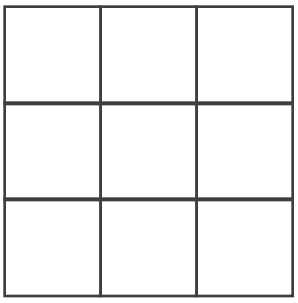
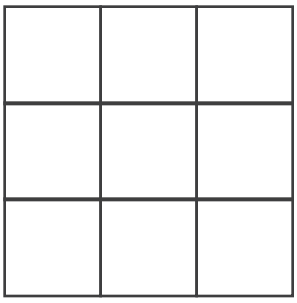
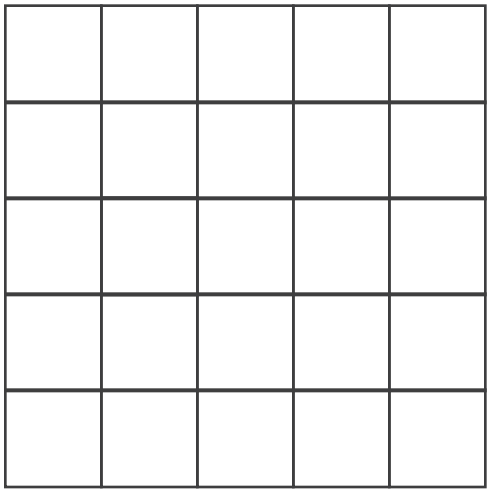
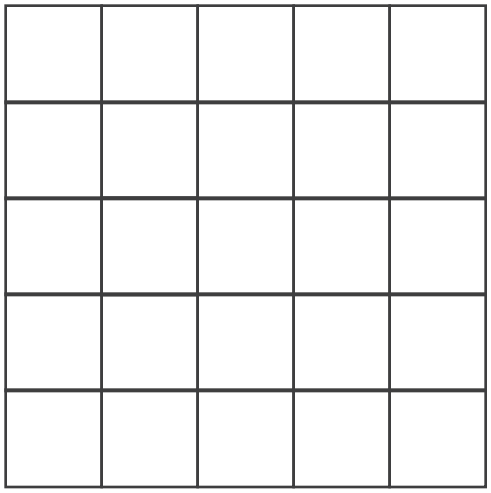
30		60		90	

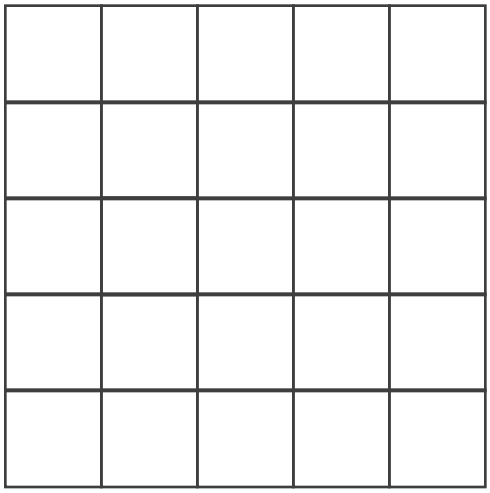
Small Pixel Grids

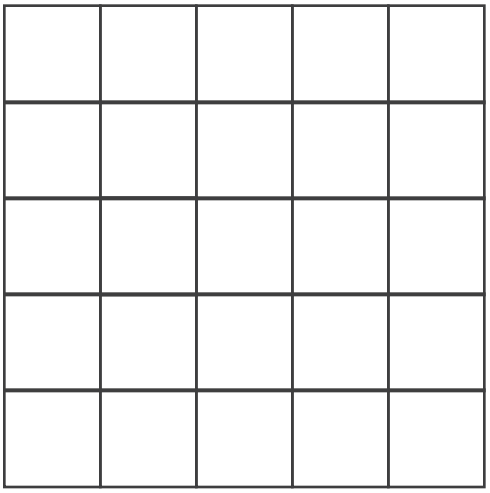










Medium Pixel Grids

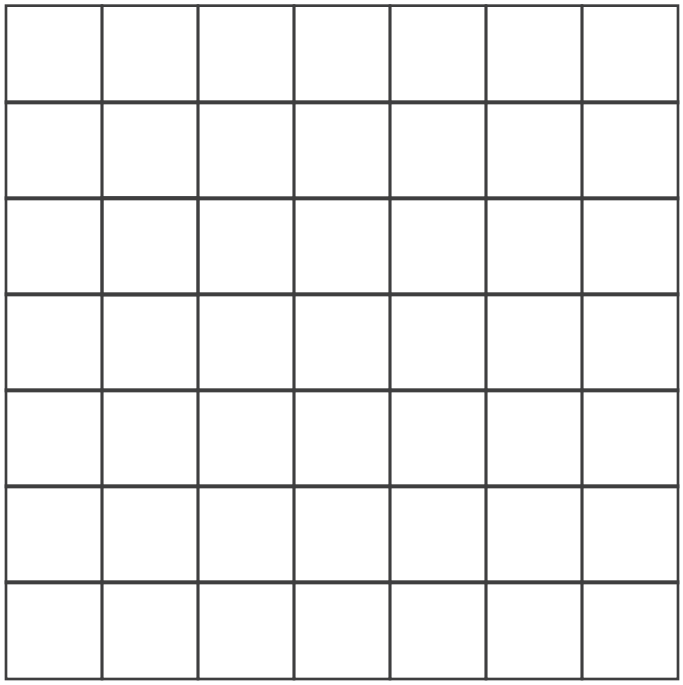


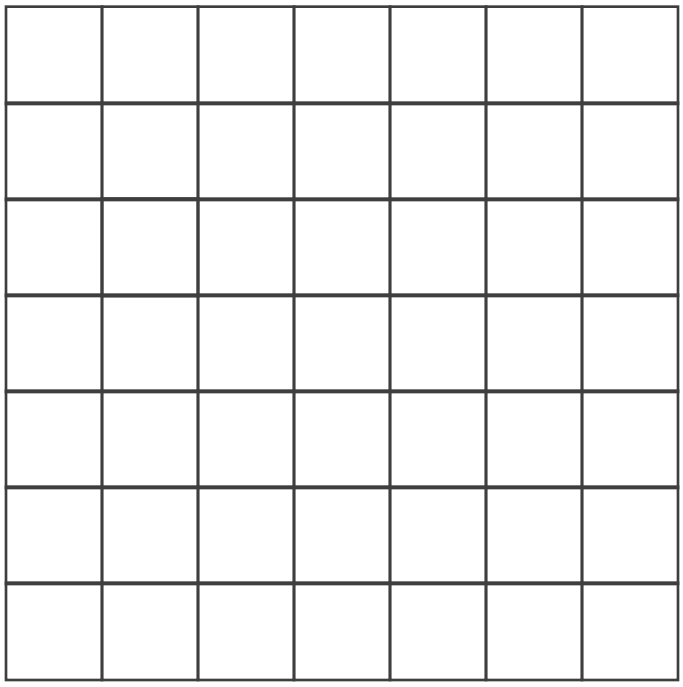




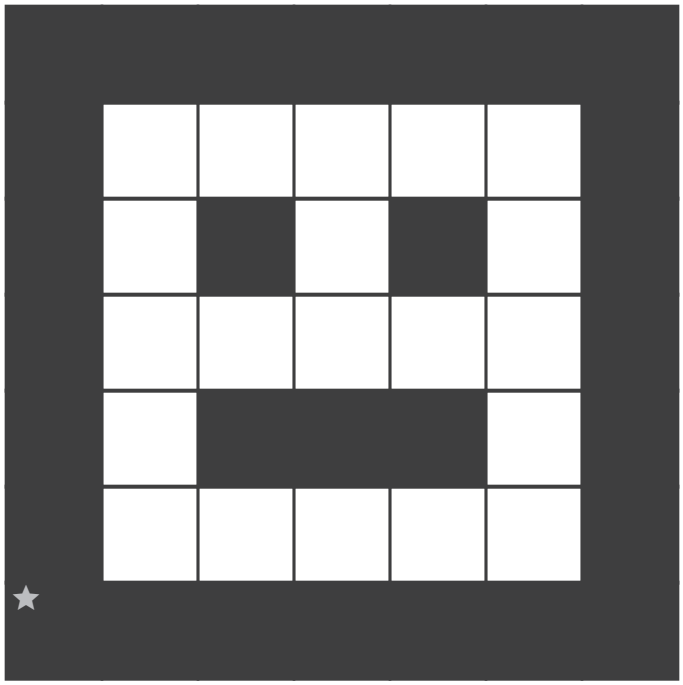


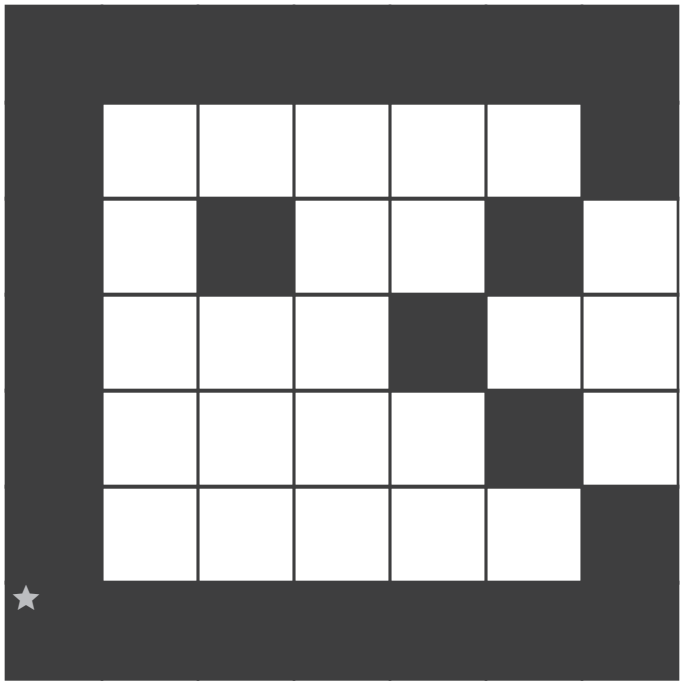
Large Pixel Grid





Challenge Problems - 1





Challenge Problems - 2