Instructions for Exercise 2

- Connect the left and right IR sensors to the Crickit signal pins.
- Connect both DC motors to the Crickit motor ports.
- Place a black line on a white surface for the rover to follow.
- Upload the CircuitPython code to the CPX.
- Place the rover so the IR sensors are above the line.
- Observe the rover move forward when both sensors are on the line.
- Observe the rover turn left or right when one sensor moves off the line.
- Notice that the rover stops when both sensors lose the line.
- Adjust the sensor position or speed if the rover does not follow the line smoothly.

Pseudocode for Exercise 2

```
Start the program
Set up the Crickit seesaw interface

Set left IR sensor and right IR sensor as digital inputs
Set up left motor and right motor

Repeat forever
        Read value from left IR sensor
        Read value from right IR sensor

        If both sensors detect the line
                Move the rover forward
        Else if left sensor detects the line and right sensor does not
                Turn the rover right
        Else if right sensor detects the line and left sensor does not
                Turn the rover left
        Else
                Stop the rover
        End if

        Wait for a short time
End repeat
```