

Student Handout

Debugging Code

1. Are all the LEDs turning on?

Yes	No
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If yes, your physical circuit is working as intended. Skip to #4.

If no, you may have a poor connection in your physical circuit. Continue to #2.

2. Which LEDs are not lighting up? Which pins are those LEDs connected to?

Driver 1		Driver 2	
LEDs	Pins	LEDs	Pins

3. Check the connections to each of those pins and try again. If the LEDs light up, continue to #4. If not, go back to #2 and check the connections again.

4. What are your light patterns supposed to do? Be as specific as possible.

Driver 1	Driver 2
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5. What are your light patterns actually doing? Be as specific as possible.

Driver 1	Driver 2
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6. Are the light patterns behaving as intended? (Circle one)

Yes	No
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If yes, you are done.

If no, proceed to #4.

7. In which function is the bug occurring? (Circle all that apply)

Driver 1	Driver 2
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8. As a pair, read each line of the buggy function out loud. Check for inconsistencies in logic.