Introduction to Ozobot Blockly 04: Debugging
Activity Sheet

1. A _____ is an error with a program.

2. Debugging is the process of _____ and _____ the errors in a program.

3. A bug can happen because of _____ block or _____ blocks.

4. A bug can happen when a block is out of _____ in the sequence.

5. A bug can also happen when a block is _____ from the sequence.

6. The program below should tell the bot to show rainbow lights, play a happy sound, then skate forward. Can you find the bug?

The bug is

_____

_____

7. The program below should tell the bot to laugh, then spin right, and repeat three times. Can you find the bugs?
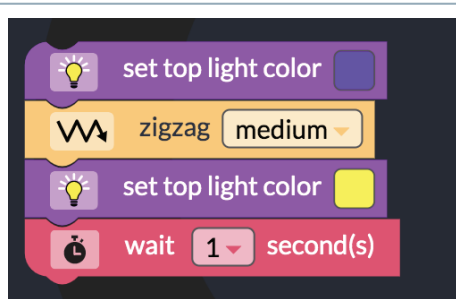

The bugs are

_____

_____

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Instructions

Build the code on your card in OzoBlockly and read the description about what your bot should be programmed to do. Next, run the bugged program to see your bot in action. Debug the code to make the program run correctly.

1

The bot should:
1. display a purple light
2. move in a zigzag motion
3. display a yellow light
4. wait
5. repeat to run two times
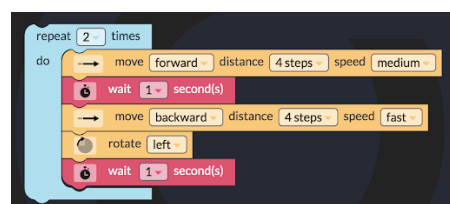

2

The bot should:
1. play a happy sound
2. display a yellow light
3. skate forward quickly
4. play a sad sound
5. display a blue light
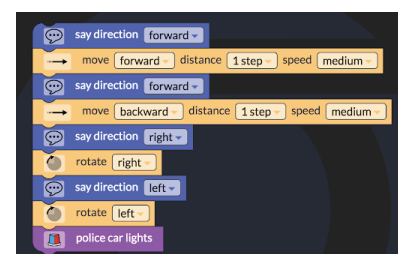6. skate backwards slowly

3

The bot should:
1. spin left
2. laugh
3. spin right
4. laugh
5. repeat to run four times

4

The bot should:
1. move forward four steps fast
2. wait
3. move backward four steps fast
4. wait
5. turn left
6. repeat to run four times

5

The bot should:
1. display lights like a police car
2. say, "forward"
3. move forward
4. say, "back"
5. move backward
6. say, "right"
7. turn right
8. say, "left"
9. turn left