

Variables

Line Counting Quiz

NAME _____ DATE _____

```
1 int lastSeen;  
2 void forward4Lines()  
3 {  
4     lastSeen = 1;  
5     while(countValue < 4)  
6     {  
7         if(SensorValue(lightSensor) < thresholdValue)  
8         {  
9             motor[motorC] = 50;  
10            motor[motorB] = 50;  
11            if(lastSeen == 1)  
12            {  
13                countValue = countValue + 1;  
14                lastSeen = 0;  
15            }  
16        }  
17        else  
18        {  
19            lastSeen = 1;  
20        }  
21    }  
22 }
```

1. Explain, in your own words, how the “lastSeen” variable prevents double-counting of lines in the program above.

```
1 n = n + 1;
```

2. Explain what the line of code above does.