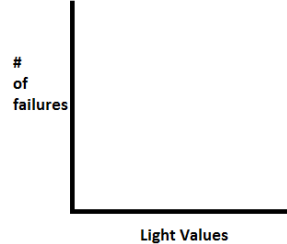


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<b>Questions</b>	
<p>Question 1 Math</p>	<p>A fraction can tell us the exact probability that the robot will fail. For example, 5 failures out of 43 zig-zags is 5/43 chance of failing.</p> <p>Calculate the chances of losing a line for each light value using this method.</p> <hr/> <hr/>
<p>Question 2 Math</p>	<p>What threshold value had the highest probability of success? Why do you think that was?</p> <hr/> <hr/>
<p>Question 3 Math</p>	<p>Which light value would you NOT trust to follow a line? Explain your reasoning.</p> <hr/> <hr/>
<p>Question 4 Math</p>	<p>On a separate piece of paper, create a bar graph with the light values on the horizontal axis and times it lost the line on the vertical axis (see below).</p> <div style="text-align: center;">  </div>



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Question 5 Robotics	Robots never behave perfectly, but the best we can do is try and raise the probability of success as high as we can. What else could have made the robot more successful? Hint* think about the line, and the environment.
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