Animated Loops Lab Report

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**Task 1: Fixed Track**
Show the four loop control statements for moving the ball from left to right, from top to the bottom on the right hand side, from left to right on the bottom, and from bottom to top on the left hand side.

**Task 2: Yellow Spots**
Show the four loop control statements for painting the spots from left to right, from top to the bottom on the right hand side, from left to right on the bottom, and from bottom to top on the left hand side.

**Task 3: Random Track**
Include a copy of your `makeColor` and `colorChoice` function.

**Task 4: Brownian Motion**
Write the formulas to compute \((x_2, y_2)\) from \((x_1, y_1)\).

Include the code for the `IsInBounds` function.

**Task 5: Race**
Include a snapshot of your race when Player 2 is a winner.

**Task 6: Random Circles**
Include the copy of your source code here.

**Task 7: Target**
Include the code for the `IsInBounds` function.

**Task 8: Cabbages**
Write down an explanation of how you performed calculations, how did you set up the loops, and what is the meaning of your variables. Include sketches, if necessary. Finally, include a copy of your code.