**Capstone Notes**

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CS1008: Introduction to Computer Science

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When designing the script for Scribbler to follow when traversing the maze, I decided to heavily rely on subroutines.

There are many similar sections in the maze with lots of straight lines and turns. I created a subroutine to automatically move through them without manually pathing out all of the turns. I had to count every movement Scribbler would make to make sure the function is called the correct amount of times, so it will end in the proper place. Corners required calling the function twice, as it checks if Scribbler should turn right or left, and also if there is a wall in front of it.

I do not have physical access to the Scribbler robot, so I am unable to produce a video of it attempting to run my code. I programmed assuming moving 1 square forward takes .5 seconds to execute, and turning 90 degrees also takes .5 seconds.