Mitchell Forbes

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Programming Logic

Professor Eggli

Code First pass

I have written up a brief description of what some of the code will look like for this capstone project.

To complete this maze, I would write the code that follows.

First go straight one box then turn right ninety degrees.

Straight for 4 more boxes. Then turn left 90 degrees straight 4 boxes

Turn left 90 degrees three boxes pause 5 seconds.

Back out 3 boxes and turn right 90 degrees. Go straight 3 boxes.

Turn 45 degrees then go straight for 11 boxes. Turn 45 degrees back.

Straight 4 boxes turn right 90 degrees for one box then turn back 90 degrees.

Go straight 7 boxes then turn 90 degrees left up one box turn 90 degrees right.

Go straight 3 boxes turn 90 degrees right go straight one box turn 90 degrees left. (Loops twice)

Go up five boxes turn 90 degrees left and loop forward 3 boxes turn 90 degrees right up two boxes.

Turn 90 degrees left go forward 5 boxes turn right 90 degrees go 4 boxes forward.

Loop forward two boxes turn 90 degrees left and forward three boxes.

Turn left 90 degrees and go down 5 boxes into the dead end and go around the circle only forward.

Complete Square with proximity sensors.

Turn Left 90 degrees go forward 5 boxes.

Turn left 90 degrees go forward 4 boxes. Loop twice

Then turn right go forward six boxes and turn right 90 degrees and finish first lap of the maze.