David Nguyen

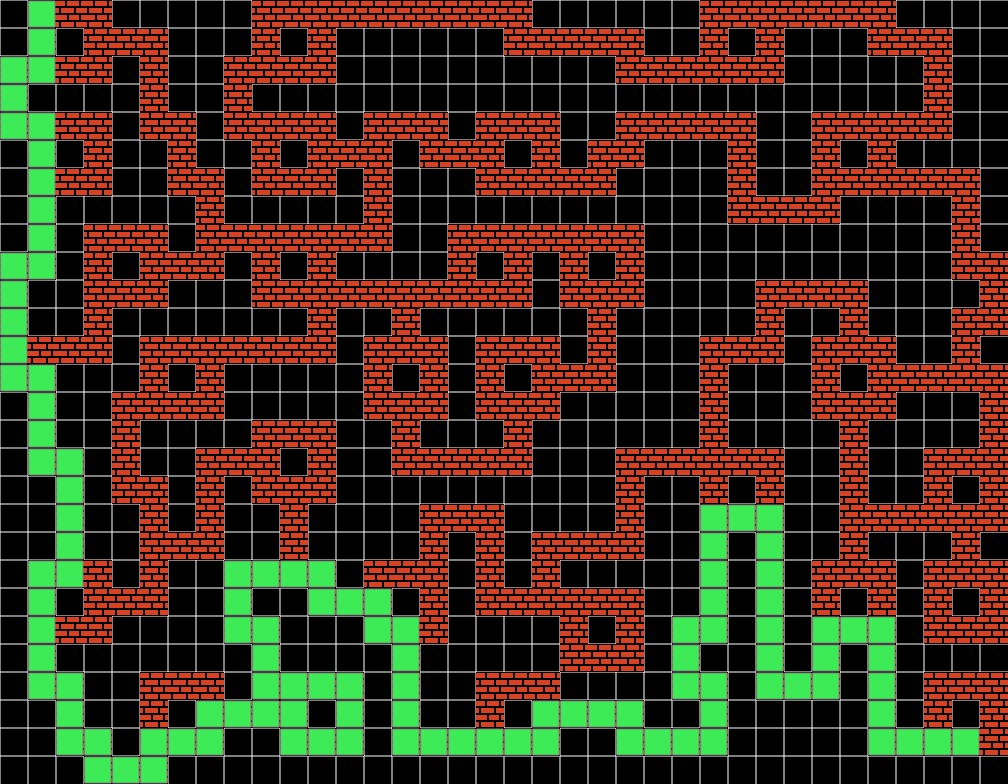
Professor Siska

CPSC 481-04

18 October 2020

A\* Star Project Report

Total tile count: 114



I used the professor’s skeleton code. I tried to use the book’s pseudocode on A\* as reference. The javathcript library has bare emacs lisp api like car, cdr, and list. Javathcript did not have the sort function I needed to sort the open list. So far the explorer has reached the destination.

Untrained Weights

self.bias = [list([0.3, 0.5, 0.6, 0.7]),

list([0.2, 0.1, 0.3, 0.2, 0.4, 0.5, 0.6, 0.2])]

self.weights = [list([[.3, -.45, 0.12, -0.12, 0.89, -0.25, 0.16, -0.56, 0.12, 0.43],

[0.12, -0.23, -0.15, 0.62, 0.821, -

0.512, 0.123, 0.321, -0.9, .5],

[-0.64, 0.52, 0.24, 0.93, -0.84, -

0.64, -0.52, 0.34, -0.6, -0.7],

[-0.52, 0.12, 0.84, -0.51, 0.321, -0.123, -0.721, 0.632, 0.5, 0.3]]),

list([[0.123, -0.21, -0.21, 0.123],

[0.412, 0.31, -0.731, -0.365],

[0.231, 0.521, -0.441, -0.3852],

[0.521, -0.41, -0.581, 0.112],

[0.412, -0.891, 0.712, -0.321],

[0.221, 0.551, -0.213, -0.555],

[0.812, -0.231, 0.367, -0.888],

[-0.512, -0.231, 0.751, 0.121]])]

Trained Weights