

November 12 2023

## Goals

1. Finish coding converttgrid function (to convert the grid from .txt file to a grid of format `vector<vector<int>>`) (completed)
2. Started working on Astar (write the pseudo code) (partially completed)
3. Rewrite the grid generation code so that it is easy to understand and find additional Astar test data for Astar on graph

## Tasks complete

1. Work together on converttgrid function. This function passed our written test cases
2. We found the additional test data for graph together

## Problems

1. Although we know how to implement Astar on the grid, we do not have so many ideas about how to implement Astar on graph data structures
2. For the test dataset we found, we do not know how to find the best heuristic function for Astar since we do not know Euclidean distance between two nodes in graph

## Plan

1. Finish Astar function and get neighbor function on grid next week