LLM path finder experiment

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# Abstract

This is a homework assignment for

# My unit test

# Solution 1

## Prompt

Hi! You are in a coding interview. Your task is to create a pathfinding implementation in java. The interface has already been written for you:

/\*\* \* Find the shortest path in a weighted directed graph. \*/ interface PathFinder { /\*\* \* Adds an edge to the graph. \* \* @param from the ID of the node at the start of the edge. \* @param to the ID of the node at the end of the edge. \* @param weight the weight of the edge, either 1 or 0. \* @throws IllegalArgumentException if the edge weight is invalid. \* @throws IllegalStateException if the edge was already present in the graph. \*/ void addEdge(int from, int to, int weight); /\*\* \* Calculates the weight of the shortest path in the graph. \* \* @param source the ID of the source node of the path. \* @param target the ID of the target node of the path. \* @returns the weight of the shortest path or -1 if there is no such path. \*/ int getShortestPathLength(int source, int target); } Your job is to create an implementation of this interface!