Essential Graph Problems

Graph Theory

Start

Show tags

Standard Traversal

Number of Provinces	Solution	Medium
Find Eventual Safe States	Solution	Medium
Keys and Rooms	Solution	Medium
Shortest Path with Alternating Colors	Solution	Medium
Time Needed to Inform All Employees	Solution	Medium
Reorder Routes to Make All Paths Lead to the City Zero	Solution	Medium
All Paths From Source to Target	Solution	Medium
Critical Connections in a Network	Solution	Hard

BFS

Nearest Exit from Entrance in Maze	Solution	Medium
Shortest Bridge	Solution	Medium
Minimum Genetic Mutation	Solution	Medium
	Solution	

	Word Ladder		Hard
✓	Jump Game III	Solution	Medium
✓	01 Matrix	Solution	Medium
○	Shortest Path in Binary Matrix	Solution	Medium
✓	All Nodes Distance K in Binary Tree	Solution	Medium
○	Shortest Path to Get All Keys	Solution	Hard

Matrix Graphs

✓	Number of Islands	Solution	Medium
✓	Number of Enclaves	Solution	Medium
✓	Number of Closed Islands	Solution	Medium
✓	Max Area of Island	Solution	Medium
○	Pacific Atlantic Water Flow	Solution	Medium

Graph Theory

○	Find the Town Judge	Solution	Easy
✓	Minimum Number of Vertices to Reach All Nodes	Solution	Medium
○	Maximal Network Rank	Solution	Medium
✓	Is Graph Bipartite?	Solution	Medium
○	Graph Valid Tree 🔓	Solution	Medium

Union Find / DSU

✓	Accounts Merge	Solution	Medium

Satisfiability of Equality Equations	Solution	Medium
Lexicographically Smallest Equivalent String	Solution	Medium
Similar String Groups	Solution	Hard

Topological Sort

Course Schedule	Solution	Medium
Course Schedule II	Solution	Medium
Alien Dictionary	Solution	Hard
Sort Items by Groups Respecting Dependencies	Solution	Hard
Largest Color Value in a Directed Graph	Solution	Hard

Dijkstra's

Cheapest Flights Within K Stops	Solution	Medium
Path with Maximum Probability	Solution	Medium
The Maze II	Solution	Medium
The Maze III	Solution	Hard

Minimum Spanning Tree

Connecting Cities With Minimum Cost	Solution	Medium
Min Cost to Connect All Points	Solution	Medium
Optimize Water Distribution in a Village	Solution	Hard
Find Critical and Pseudo-Critical Edges in Minimum Spanning Tree	Solution	Hard

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