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Section: 004
Github URL: https://github.com/ananyasingh7/Graphs
Name of ALL collaborators:
URLs consulted:

1. Gonna Take My Horse to the Old Town Node

a) [S, A, E, B, C, F, G, K, L, D]

b) We represent edges between the graphs by having an adjacency list for every edge in the graph.

S->neighbors = [A]
A->neighbors = [C, S, B, E]
C->neighbors = [A]
B->neighbors = [A, E]
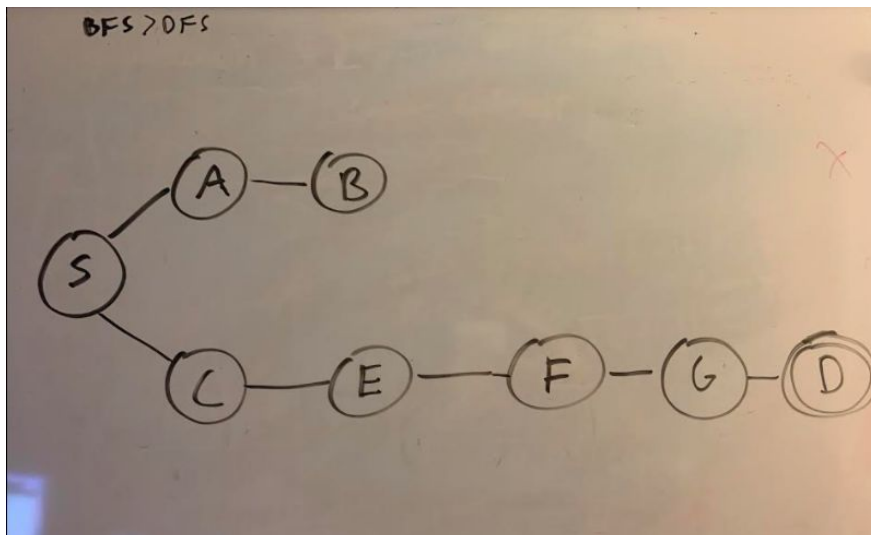E->neighbors = [B, A, F]
F->neighbors = [E, G]
G->neighbors = [F, K]
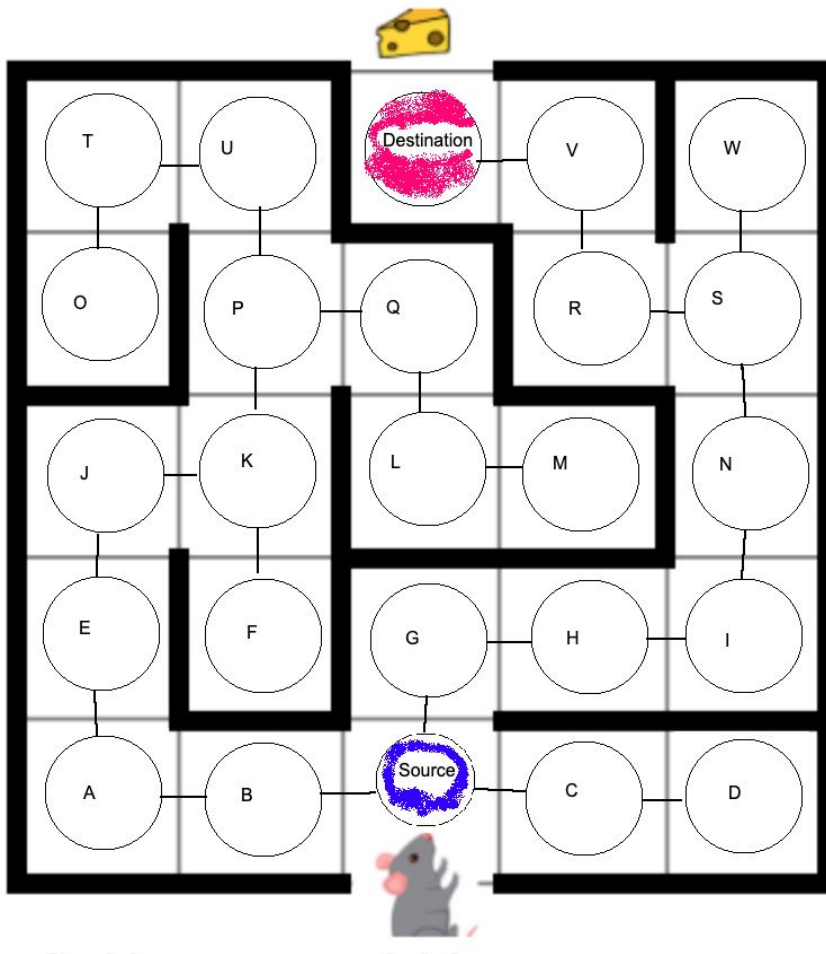K->neighbors = [G, L]
L->neighbors = [K, D]
D->neighbors = [L]

c)

2. Boulevard of Broken Cheese

a) Since there are 25 squares in the maze, that means there are 25 nodes.

b) Edges would be represented as an adjacency list that has nodes that are neighbors and have no wall in between them.

c) 1) NOT directed
    2) NOT cyclic
    3) ARE connected
    4) NOT weighted

d)

Every letter is a node in the graph!
Source and Destination are labeled and color coded.