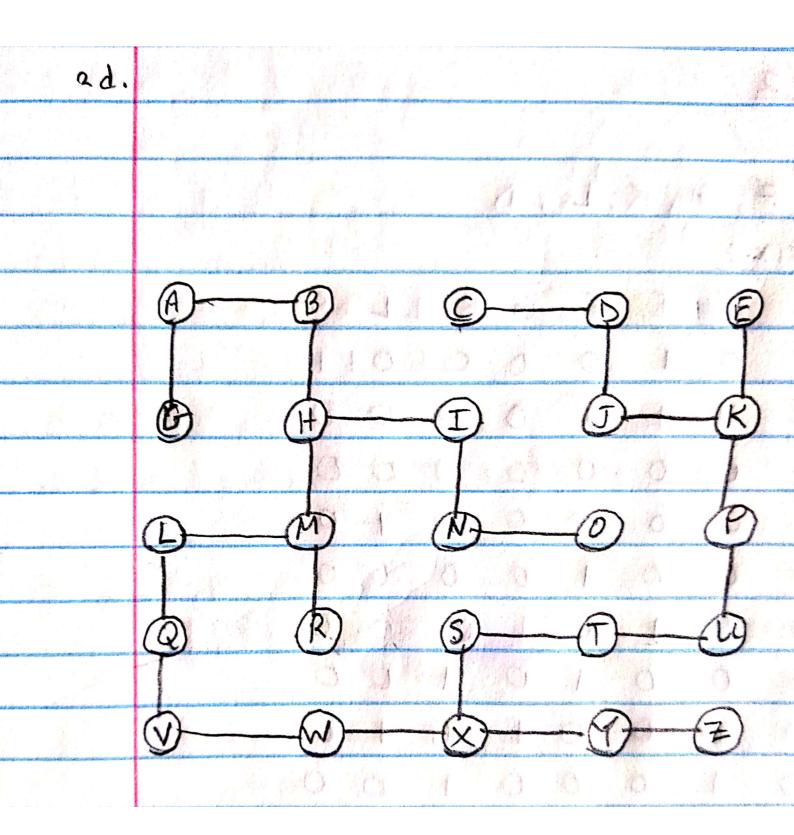
## 1,18 CS 435 - Praject 2 S, A, B, C, E, F, G, K, L, D la. 16. advacency matrix: BCDEFGKLLS A 0 0 0 0 0 0 0 0 0 0 G 0 0 1 0 D K D 0 0 lc. (3) F 25 nodes 29. an undirectled edge exists between two nodes if 26. there is no wall between the two nodes undirected, acyclic, connected, unweighted 24.



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nodes. Works perfectly fine with 10,000 nodes, the stack overflow is caused by the implicit space used by recursion. A new stack frame is pushed anto the stack for leach recursive call. The more nodes we have, the more nodes we have, the more call happens for each node in the queue and hence, we have more recursive calls and more implicit space used.

3:) This solution does not result in any issues because it does not make any recursive calls. Basically, it uses no additional implicit space. Additional space used is on the heap. The recursive solution might run into problems as usplained in 3h.