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See: 16

LAB assignment 5 code explanation Task 161

mode indegno

node indegno

no

where first we have count all the indegrees of every mode the if any mode's indegree is to we add to the queue and visit all his neighbours and updated the indegree count of that visited nodes (-1). The queue is our oneswer.

1. ca)

Here ther for the dfs traversal we would normal just do a dfs traveral or in very unvisited node and maintain the resursion stack. The recuriion satark in the opposite ordene & [: : -1] will be our answer. · But : we will fee problem, whiles defection the "Impossible" cares. That upshal the indopen count of that while noder (-1). The queen is our

lo Lated

Tasker impossible cares: An here we can itsa impossible defee impossible circle is found. rec-stack to boolian list to defect any circle it we find any vicinde is we just rehinn Impossible?

Taskey

to get the levicographically smaller path: I med fre, dts Fraversal method. but done only one chaje before deque anything for the queue me just soi made the queue sorted; so that we can mounain levicographically mollen path que me = de que (sor led (que me)) reform Impossible:

AN impossible cause:

Tousks:

find Sce:

Junidis;
O it's a turition give in the
dfs recursion stack

the transpore-graph give in the same graph just in the opposite direction.

then we run dfs - sec in the free freen pose- graph in too aerording to the negation stack, and we find - see to deteck every eyell.