Tank 1

(A)

To sofo solve this task I made a directed weighted graph using advancacy matrix. Weighted graph using advancacy matrix. Initializing matrix with Zenon, 20 Square Initializing matrix with Zenon, 20 Square array was used to make the matrix.

(B)

Henry same as the above task but here I needed to use adjancency libt to make directed weighted graph.

2

I traversed through the whole city using BB. Starting from noof which is city I; we traverse each hode of a level before going to next one.

Here, to traverse the city I needed for use DFS. I initially standed at the noot which was city I and before back tracking I traversed whole.

I used two list to stone visited and stack as to True of Fahre list to find out a graph has a cycle.

5

Here, I used BFS traversal to find the shortest path from noot for a given destination. A Queue for a list of visited cities helps and a list of visited cities helps to count partway.

Here, I used DPs fravernal for maximum number of diamonds count. The total number of nodes containing 'D'-trom the noof to all the available moder to a path counted.