資料結構 HW7

運管 15

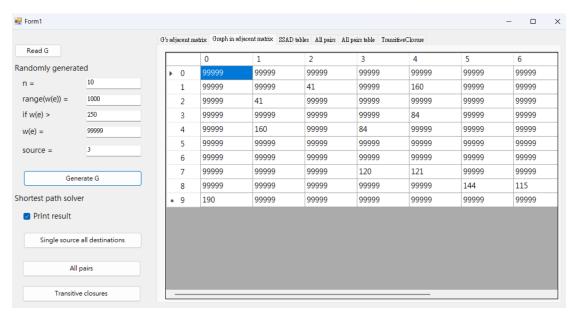
111701031 黄浚瑀

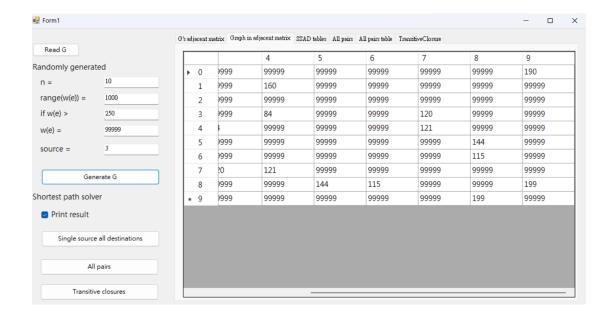
內容說明:

test1 和 test2. txt 為老師 site 上的測資,第一排要輸入測資的 n, range, if w(e), w(e)= ,接下來再輸入相鄰矩陣。

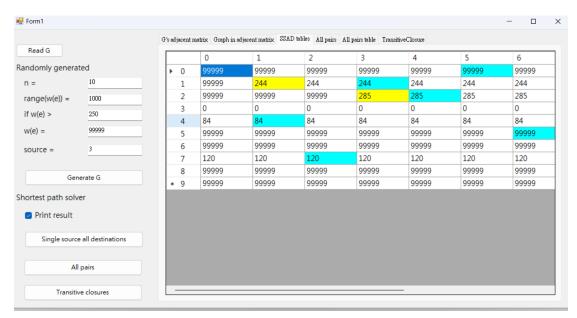
執行結果:

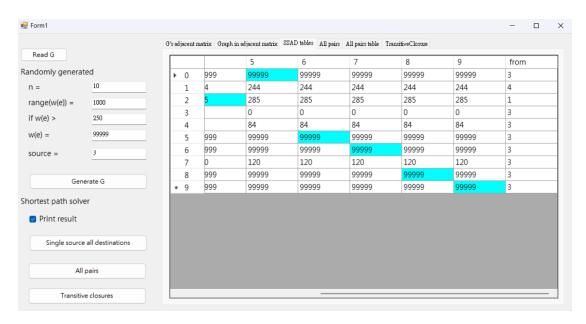
1. Generate a graph G=(V, E) in random, the weights and density of the edges in G can be assigned by user:



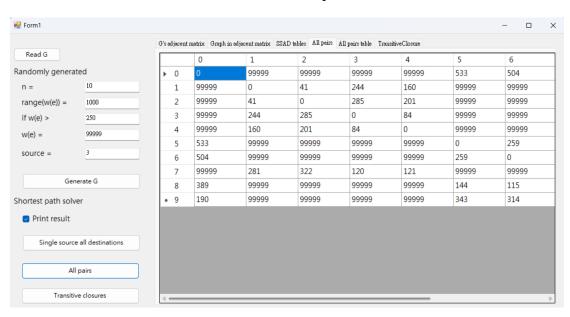


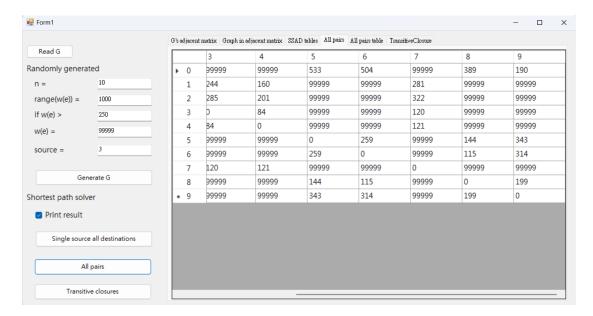
2. Find shortest distance from single source to every vertices (single source all destinations)



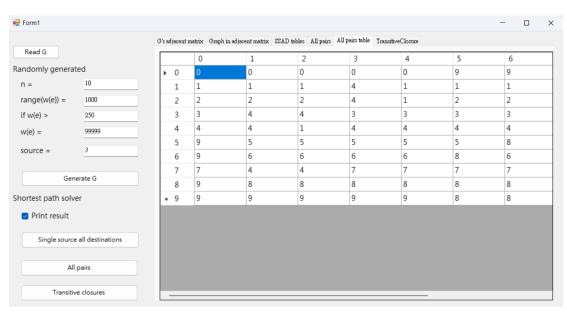


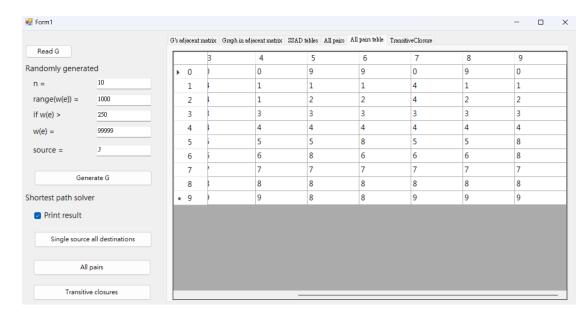
3. Find shortest distance between and two points



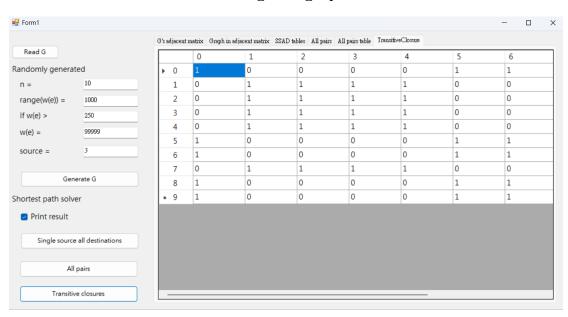


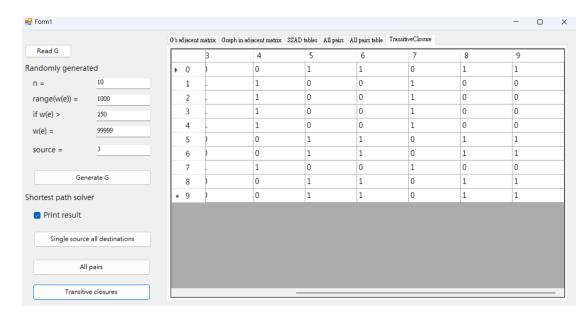
4. User can trace the process of solving this problem.





5. Find transitive closure of the given graph.





6. Report the shortest paths from the source to all destinations

