

Tamkang Universty Software Engineering Group

淡江軟體工程實驗室

http://www.tkse.tku.edu.tw/

演算法 個人作業

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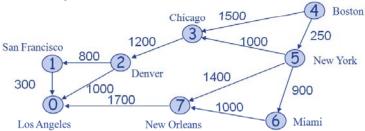
Homework 01

- Implement Single Source-All Destination Shortest Path
 - Please implement the Shortest Path Algorithm (Dijkstra's algorithm)
 program by C, or C++, or Java.
 - The input data of the original weighted directed graph structure is using Adjacency Matrix.
 - The value of 99999 means ∞ , and the range of edge weight is between 0 − 3000.
 - Your program needs to present the Adjacency Matrix of original graph structure and start vertex, firstly. And then show the distance from start vertex to all destination by d[v] array, $v \in V$, prev[v] array and S set step by step.



Homework 01 (Continuously)

- For example of teaching materials:
 - Input the Adjacency Matrix and start vertex is 4 of Graph



And your program output are following step by step:

