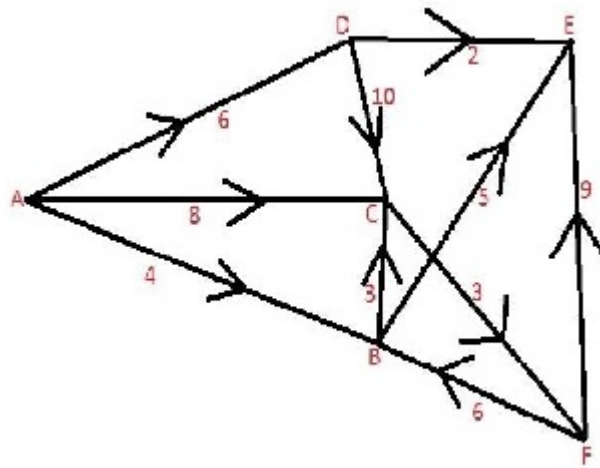


Indian Institute of Technology Kharagpur
Course:MA29005 Design and Analysis of Algorithms Lab
Autumn Semester 2017-18
Lab Assignment -07 (Oct 10, 2017)

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Problems

1. Implement Dijkstras algorithm on a graph using its adjacency matrix and display the shortest path from some source vertex to every other vertex. (Example if source vertex is 0, you should display all the vertices along the shortest path from vertex 0 to every other vertex). Also display the lengths of these paths. (You can use the graph given below as an example)
2. Implement Dijkstras algorithm on a graph using adjacency list and display the length of the path from some source vertex to every other vertex. (Try to do this using STL or Minheap)



All The Best!