

Assignment #3

How to use it.

- Compile with the makefile.
- Run: `./Algo`.
- Insert the graph (Ex: `LinkFrom *enter* LinkTo *enter* Weight *enter*`).
- When you are done with the graph type `end`.
- The program will give you the shortest path from vertex # 1 in the graph to all vertices and the minimum spanning tree.
- To run it with the assignment graph run: `./Algo Sample`.

Results:

Link from: 2 to: 3
Link from: 3 to: 7
Link from: 5 to: 6
Link from: 1 to: 5
Link from: 7 to: 11
Link from: 9 to: 10
Link from: 9 to: 13
Link from: 1 to: 2
Link from: 5 to: 9
Link from: 13 to: 14
Link from: 3 to: 4
Link from: 11 to: 15
Link from: 12 to: 16
Link from: 4 to: 8
Link from: 8 to: 12

The total weight is 44.