**IMPLEMENTATION OF ADVANCED DATA STRUCTURES AND ALGORITHMS**

**Assignment: LP3**

**Group: G119**

**Group Members:**

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Level 1:

Compile: javac Level1Driver.java

Run : java Level1Driver <inputFile>/<read from console>

Output:

The shortest path algorithm to be chose for this graph and the shortest path

List of :

(vertices in the graph, shortest path from source,its parent)

Level 2:

Compile: javac Level2Driver.java

Run : java Level2Driver <inputFile>/<read fromconsole>

Output

The sum of count of shortest path for every vertex to be reached from the source. If there are negative cycles, not reachable from source, then those are printed. If cycles, a negative cycle is printed.

List of:

(Vertices in graph, shortest path distance, count of shortest paths)

Output is printed to the console and not to file.