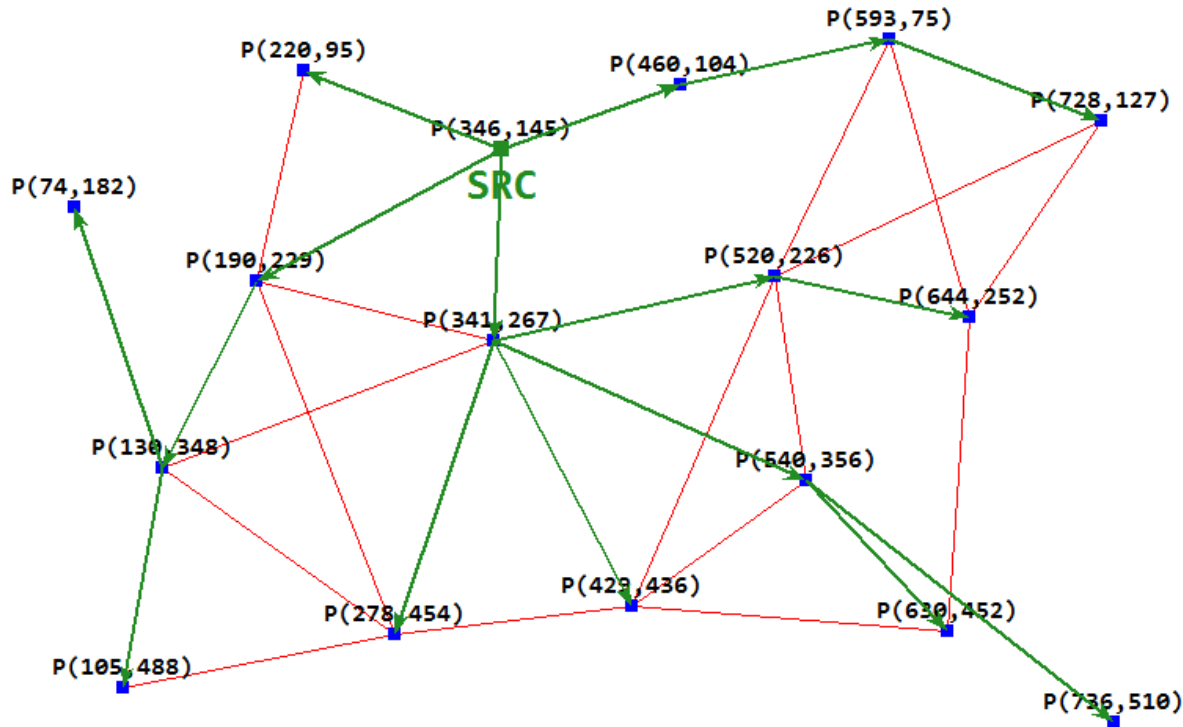


Lab 11

GRAPHS SHORTEST PATH

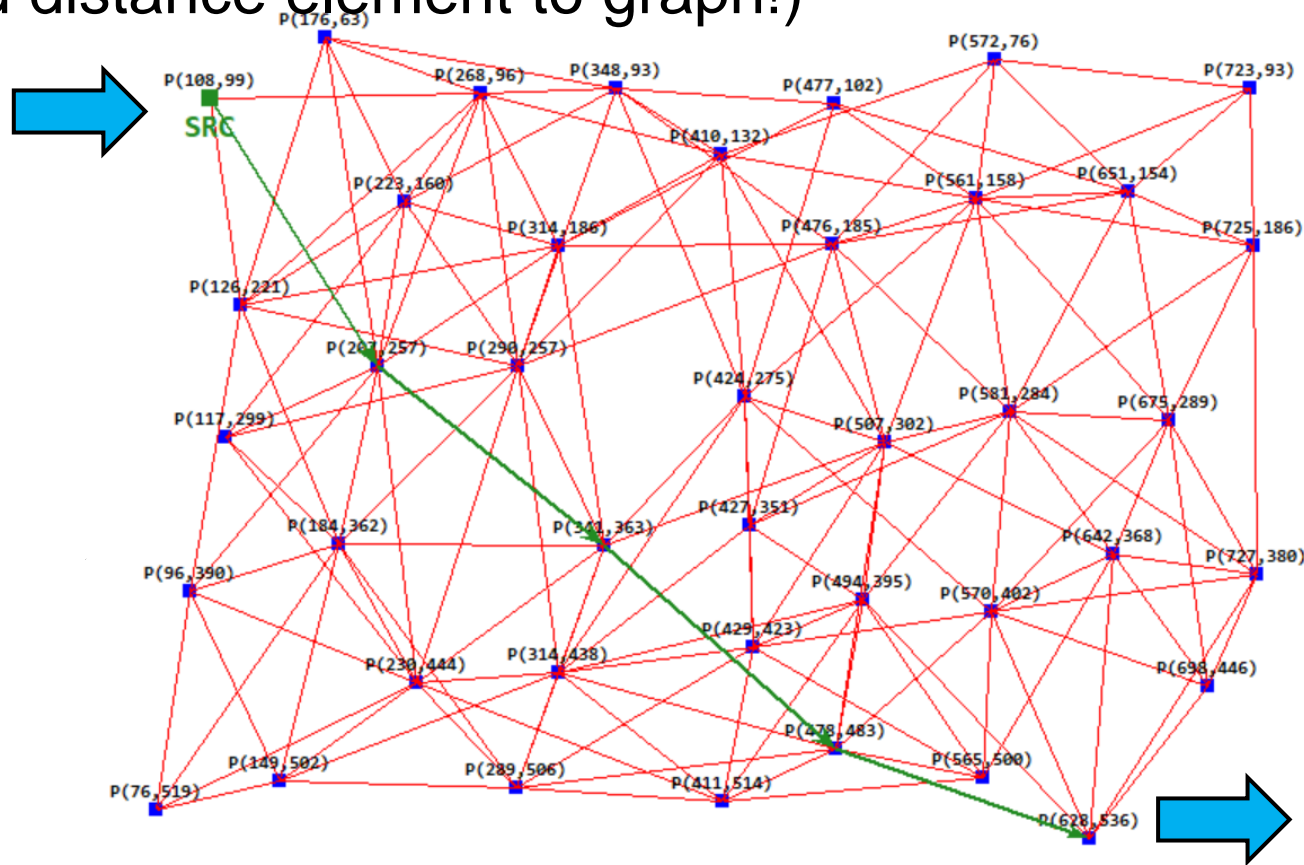
Dijkstra Algorithm (Shortest Path)

- Understand the dijksta algorithm for finding all shortest paths from a source vertex src to all other vertices in the graph and implement it.



Ex 1: Shortest Path

- Compute the shortest path from the point $P(108,99)$ to point $P(628,536)$ in graph4, what is the total distance
- (add distance element to graph!)



Ex2: Shortest Path

- Draw your solution like in the following graph5.dat, source=P(77,62), target=P(705,538)

