

# AoA2 –FINAL PROJECT Q2

**Compare Ford Fulkerson and Push Relabel algorithms in your own words.**

In a time manner Push Relabel algorithm has much more efficient time complexity.

**->Ford Fulkerson complexity :  $O(Ef)$  (E=edge number, f=maxflowingraph)**

**->Push Relabel algorithms:  $O(V^2E)$  (V=node number)**

While the push relabel algorithm performs the push operation by moving over the individual nodes, the Ford-Fulkerson algorithm approaches the problem with a more global approach by operating on the augmented paths from the start node to the last node.