Original Directed Graph with Flow Capacities



Residual Capacity Representation



Augmented path OADT i.e. OA AD D T Minimum of residual capacities on this path is min(4,4,5) = 4 So, send a flow of 4 through and adjust residual capacities



Augmented path OCT i.e. OC CT Minimum of residual capacities on this path is min(4,5) = 4 So, send an additional flow of 4 through and adjust residual capacities



Augmented path OBDT i.e. OB BD DT Minimum of residual capacities on this path is min(5,6,1) = 1 So, send an additional flow of 1 through and adjust residual capacities



Augmented path OBCT i.e. OB BC CT Minimum of residual capacities on this path is min(4, 4,1) = 1 So, send an additional flow of 1 through and adjust residual capacities



There are no other feasible paths from O to T.

MAXIMUM FLOW THROUGH THE NETWORK IS 8

