Report

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Ford Fulkerson algorithm uses augmenting path for computing maximum flow. Both algorithms work on residual graphs. But Push-Relabel algorithm works in more localized manner. It works on each vertex by one by. Ford Fulkerson examines whole residual graph to find an augmenting path. Push-Relabel method performs better than Ford-Fulkerson algorithm since it has complexity of $O(V^2E)$(Generic one). On the other hand, Ford Fulkerson algorithm has $O(E^2V)$ time complexity.