

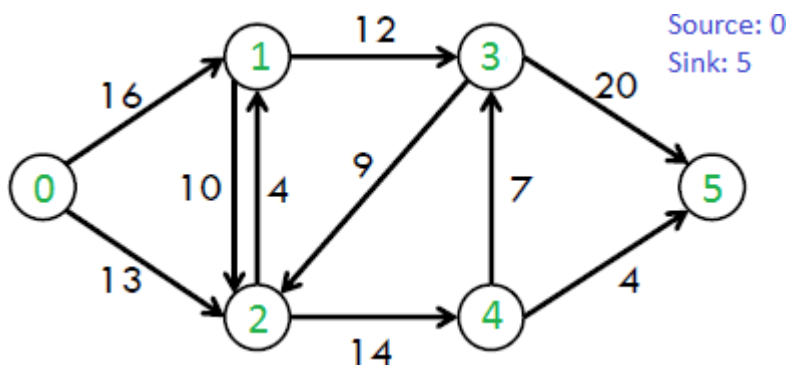
UCS415 Design and Analysis of Algorithms

Lab Assignment 6 (Graph Algorithms)

1. Write a program to implement Ford-Fulkerson algorithm for Maximum Flow Problem

Given a graph which represents a flow network where every edge has a capacity. Also, given two vertices *source* 's' and *sink* 't' in the graph, find the maximum possible flow from s to t with the following constraints:

- Flow on an edge doesn't exceed the given capacity of the edge.
- Incoming flow is equal to outgoing flow for every vertex except s and t.



Additional Question:

1. Electric Town

<https://www.codechef.com/problems/IITK1P04>