

CSC373 Worksheet 5 Solution

August 7, 2020

1. Notes

- **Maximum Flow:**

- Is electrical equivalent of Kirchoff's Law

- **Flow Network:**

- $G = (V, E)$ is a directed graph in which each edge $(u, v) \in E$ has a nonnegative capacity $c(u, v) \geq 0$.
- Two vertices must exist: **source** s and **sink** t
- **path** from source s to vertex v to sink t is represented by $s \rightsquigarrow v \rightsquigarrow t$

