Lesson 5: Minimum Spanning Tree

Notes

Book acknowledgment:

Goals

- Minimum Spanning Tree

1 Problem Definition

2 Try it on your own

2.1 Notation

Given a directed graph $G = (V, A)$, let $c_{uv} \geq 0$ be the capacity on each arc $(u, v) \in A$. For each $(u, v) \in A$, then $(v, u) \notin A$.

3 Kruskal's Algorithm

4 Prim's Algorithm