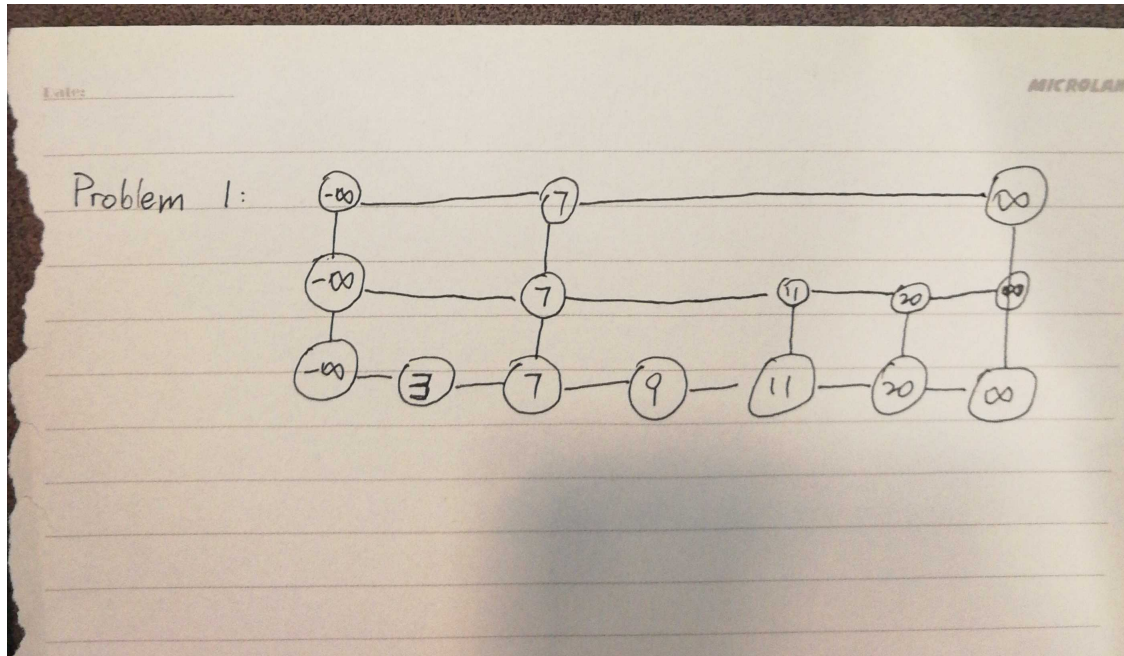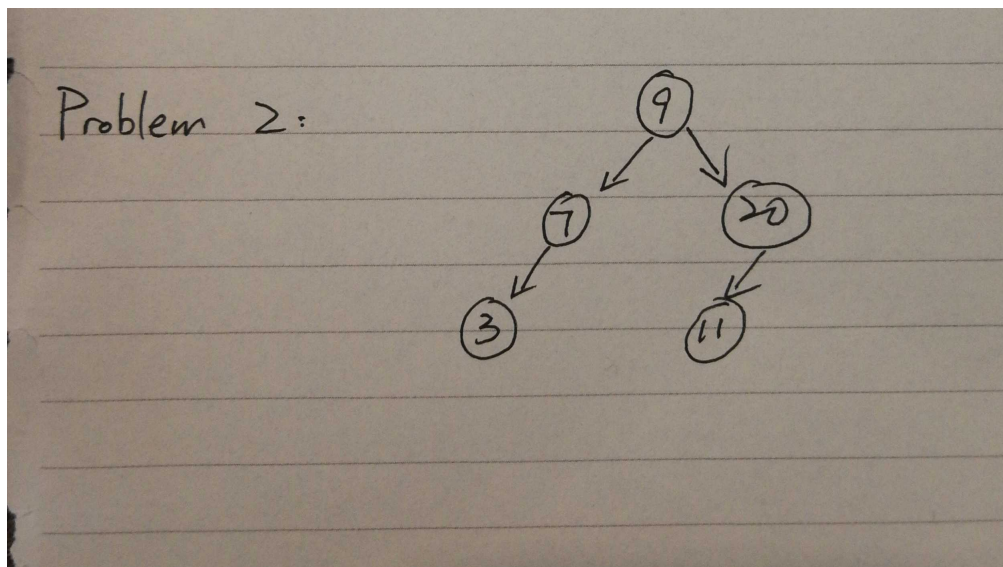## 1: The First Problem

2: The Second Problem

3: The Third Problem

Problem 3: