Recitation Guide - Week 7

Topics Covered: Graphs, Trees, Independence

Problem 1: Let T be a tree where the maximum degree is Δ. Prove that T has at least Δ leaves by contradiction.

Problem 2:
Prove that G or the complement of G is connected. Note that the complement of a graph $G = (V, E)$ is $G^c = (V, E')$ and $\forall u, v \in V$, $\{u, v\} \in E' \iff \{u, v\} \notin E$.