HW3: Common Proof Techniques

Q1: Summarize different categories of direct and indirect proof techniques.

Q2: Show that: for a directed graph with no cycle, there must exist at least one vertex without any incoming edge.

You need to prove it closed-notes. After the proof, compare yours with the notes.

If you have missed some statements, do you think those statements are necessary? If yes, what exceptions would occur if you omit these statements.