ECE335 Summer 2019 - Lecture 10 Examples

Example 1: Prove that if $0 < a < b$, then $a^2 < b^2$. Hint: First show that $(b + a) > 0$ and $(b - a) > 0$.

Example 2: Suppose $A \setminus B \subseteq C \cap D$ and $x \in A$. Prove that if $x \notin D$, then $x \in B$. Hint: Use Conditional Proof Template.