

ECE335 Summer 2019 - Lecture 14 Examples

Example 1: Suppose $A \subseteq C$ and B and C are disjoint. Prove that either $x \notin A$ or $x \notin B$. Hint: Use disjunction. (Note: This is an alternative version of the example from lecture 11.)

Example 2: Suppose A , B , and C are sets. Prove that if $A \subseteq C$ and $B \subseteq C$, then $A \cup B \subseteq C$. Hint: Use quantifiers and disjunction.