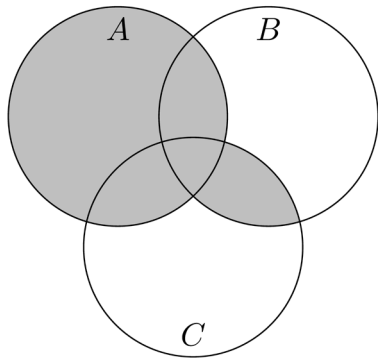$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$ $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$