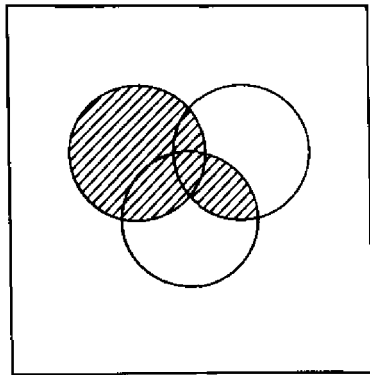


$$A_1 \cap (A_2 \cup A_3) = A_1 A_2 \cup A_1 A_3$$



$$A_1 \cup (A_2 \cap A_3) = (A_1 \cup A_2)(A_1 \cup A_3)$$