AxIOM：Probability of obtaining an outcome in sample，$S$ ，equals $1 \equiv P(S)=1$
Axiom：Probability of not obtaining any outcome in sample，$S$ ，equals $0 \equiv P(\varnothing)=0$
Axiom：Probability of event $A$ is in the range from 0 to $1 \equiv 0 \leq P(A) \leq 1$
Thm：If $A$ and $B$ are events，the probability of event $A \cup B$ equals $P(A)+P(B)-P(A \cap B) \equiv$ $P(A \cup B)=P(A)+P(B)-P(A \cap B)$

CoR：If $A$ and $B$ are mutually exclusive，the probability of event $A \cup B$ equals $P(A)+P(B) \equiv$ $P(A \cup B)=P(A)+P(B)$

