	P(B)	P(B')	
P(A)	0.1	0.25	0.35
P(A')	0.5	0.15	0.65
	0.6	0.4	1

$P(A) = 0.35, P(B) = 0.6, P(A\ and\ B) = 0.1$

$P(A') = 1 - 0.35 = 0.65; P(B') = 1 - 0.6 = 0.4$

Are A and B independent? $P(A\ and\ B)? =? P(A)P(B)$➔ $0.1? =? (0.35)(0.6)$➔ $0.1 \neq 0.21$ ∴ A and B are NOT independent (they are dependent)

Are A and B mutually exclusive (disjoint)? Since the intersection between A and B exists ($P(A\ and\ B) = 0.1$ as well as all the other intersections), they cannot be mutually exclusive (disjoint)

$P(A' and\ B') = 0.15$

$P(A\ or\ B) = P(A) + P(B) - P(A\ and\ B) = 0.35 + 0.6 - .01 = 0.85$

$P(A' or\ B) = P(A') + P(B) - P(A' and\ B) = 0.65 + 0.6 - 0.5 = 0.75$